



AMERICAN FISHERIES SOCIETY

Education Section

Newsletter, Volume 28(2)

*newsletter formatting may change among email programs.

AFS Education Section Website: <http://www.fisheries.org/units/education/>

PRESIDENT'S LINE

Tom Kwak, North Carolina Cooperative Fish and Wildlife Research Unit,
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*Why Get Active in the Education Section?
What Comes Around, Should Go Around!*



At some point in our lives, professional and personal, we should think about whether we are giving more or taking more. Are you taking up space or creating new spaces; do you consume more resources than you create; are you a student or a teacher? If you're a professional biologist with a college degree or currently pursuing that degree, you've probably been influenced, encouraged, and supported by a mentor. Early in our education and careers, we primarily sit on the receiving end of the mentorship table, but as we advance and grow as biologists and individuals, we should consider passing on the gift that some one gave us when we needed it.

Mentorship need not be formal, as in the student–advisor relationship. There are people around us, perhaps younger, less experienced, or new to the job, that could benefit greatly by some guidance, advice, and encouragement. Opportunities to provide mentorship surround us in the field of fisheries and aquatic science, and our involvement in the Education Section provides even more. It's up to all of us to provide that mentorship for unselfish reasons, and it's our responsibility to contribute to the future of our science and environment.

I've benefited tremendously from the generosity of my mentors throughout my education and career. Specifically, my two graduate advisors, **Larry Larimore** and **Tom Waters**, were instrumental in shaping me as a scientist, professional, and person. But there have been many other individuals that served as mentors informally – no big deal, just good colleagues, sharing their time, thoughts, and concern. People like **Gary Warren**, my

first science boss in an undergraduate job sorting fish and picking bugs, and **Rich Noble**, who facilitated hiring me at the NC Coop Unit, and stuck around long enough to make sure I wouldn't screw it up after the hire, and others have had a big part in getting me to this present stage of my career. Graduate students may serve as mentors to each other and pass that support to new student cohorts. There's simply no excuse not to pass it on.

Jim Martin, a most eloquent speaker, former Oregon Fisheries Chief and current Science Director at Pure Fishing, urges us not to miss the opportunity to let our mentors know how they've changed our lives. I further suggest that we honor them by sharing their gift of mentorship to us with others. Why should we get active in the Education Section? We might think about mentoring those around us and collectively as a Section for unselfish reasons and to do the right thing for our science, society, and resources. But the bottom line may be to think about for the personal rewards to yourself – you can't lose!

PAST PRESIDENT'S LINE

Donna Parrish, Vermont Cooperative Fish and Wildlife Research Unit,
Donna.Parrish@uvm.edu



During the two years of my term as President of this section, I occasionally thought about how busy I was and that this was a task that I should not have committed to back in 2003. However, I really am grateful for the opportunity to have been a part of the section leadership for the past four years. I urge others to step forward in the years to come to take on this role. Serving as an officer is something that is challenging, but also very rewarding. Specifically, I want to thank my fellow officers and committee chairs for their work on various tasks. Getting to work with dedicated professionals was one of the reasons I wanted to be a leader of the section. I would like to acknowledge the dedication of **Tom Kwak**, **Steve Chipps**, **Chris Guy**, **Trent Sutton**, **Randy Jackson**, **Craig Paukert**, **Mike Quist**, **Rebecca Zeiber**, **Dan Dauwalter**, and **Mike Meeuwig** for the last two years.

The Education Section has accomplished much during the last few years. The list below includes some items we accomplished above the normal operation (see 2005-2007 Minutes for more detail):

- 2nd Edition of Employment in Fisheries Sciences by **Dave Hewitt**, **Al Zale**, and **Bill Pine** was published just prior to the Lake Placid meeting.
- Analysis and Interpretation of Freshwater Fisheries Data (editors **Chris Guy** and **Mike Brown**) was published since the San Francisco meeting.
- Our section members continue to make progress on the 3rd Edition of Fisheries Techniques (editors **Al Zale**, **Donna Parrish**, and **Trent Sutton**), 3rd Edition of Inland Fisheries Management in North America (editors **Wayne Hubert**

and **Mike Quist**), standardized sampling book (editors **Scott Bonar**, **Wayne Hubert**, and **Dave Willis**) and a new writing book (editors **Cecil Jennings**, **Bruce Vondracek**, and **Tom Lauer**).

- Established Best Student Paper and Poster Symposium at the San Francisco meeting under the leadership of **Trent Sutton**. Judging committee was: **Randy Jackson**, **Joe Margraf**, **Martha Mather**, **Steve McMullin** and **Amanda Rosenberger**.
- **Randy Jackson** led the section in adopting an evolution resolution, which was adopted by the society in San Francisco.
- President-elect **Tom Kwak** completed the revision of the section bylaws.
- **Rebecca Zeiber** and **Dan Dauwalter** consistently produced a high quality Newsletter.
- **Mike Meeuwig** made major changes to our website.
- **Craig Paukert** led the Skinner Committee and made relevant revisions to the procedures.
- **Mike Quist** chaired the Excellence in Fisheries Education Award Committee and wrote a set of guidelines for committee composition.
- Monetarily supported Equal Opportunity Section for student travel.
- Provided free section membership to all student AFS members.

Finally, I encourage all section members to stay involved if you already are and to get involved if you are not. Please support **Tom Kwak**, **Steve Chipps**, and **Mike Quist** in making the section achieve great things over the next two years.

STUDENT SUBSECTION

Jeff Jolley, South Dakota State University, jeffrey.jolley@sdstate.edu

The Subsection held its meeting at the San Francisco Annual AFS Meeting on Wednesday, September 5th. We held our meeting independently of the Education Section meeting in an attempt to increase attendance and minimize meeting burnout. This strategy appeared to be successful as attendance was higher compared to previous years. Minutes from the business meeting can be found on our website (www.fisheries.org/units/edustu/archives.htm).

The Subsection, in conjunction with the San Francisco Meeting Planning Committee, hosted a student colloquium entitled “Writing, Publishing, and Reviewing: Perspectives for Students”. The colloquium featured three expert panelists followed by an extended discussion period. Panelists included **Dr. Dennis DeVries** (Auburn University), **Dr. Michael Quist** (Iowa State University), and **Mr. Brad Parsons** (Minnesota DNR). All presentations are available on our website. Attendance of students was high, and many positive remarks were made by those in attendance. We are currently soliciting feedback on this and future colloquiums with an online survey of AFS students. If you attended the colloquium, please feel free to fill out our survey form (www.surveymonkey.com/s.aspx?sm=s_2fZ7JLsV4gHZ_2bg3JfYCxDg_3d_3d). Please

pass this information along to students who attended the colloquium who may not be members of our listserv.

The Subsection is working closely with the Ottawa Meeting Planning Committee to plan student activities at the 2008 Annual Meeting. These events include the student colloquium, the Student-Mentor Lunch, and the student social. Student Activities Coordinator **Michael Donaldson** and Subsection President **Melissa Wuellner** will be co-authors of a Student's Angle paper on "A Student's Guide to the AFS Meeting in Ottawa" to promote these and other activities. A colloquium topic will be chosen by mid-November. If you or a student you know would like to volunteer on the planning committee, please contact **Melissa Wuellner** (Melissa.Wuellner@sdstate.edu) or **Michael Donaldson** (mdonald2@connect.carleton.ca).

The Subsection is pleased to announce the launching of its new website (www.fisheries.org/units/edustu/index.htm)! President **Melissa Wuellner** spent great effort to get this site operational. As always, we will take any comments or suggestions for improving the site. Currently, the website is best viewed in Internet Explorer.

The Subsection is always looking for new Student's Angles columns for *Fisheries Magazine*. We currently have six articles solicited for the upcoming year, but there is always room for more! Any educator or student with an idea for a Student's Angle should contact **Melissa Wuellner**.

Member **Cari-Ann Hayer** is chairing an ad-hoc committee to investigate and implement a procedure for providing student feedback on presentations at the Annual Meeting. It has been a concern that students who do not enter the Best Paper or Best Poster Award Contest at the annual meeting would not receive any feedback on their presentations. The committee will be investigating ways to ensure that all students can learn from their experience as presenters at a national meeting. **Cari-Ann Hayer** can be reached at cari-ann.hayer@sdstate.edu.

Member **Steve Ranney** is currently developing a procedural manual for the Subsection. **Jeff Jolley** is currently developing a procedure for identifying a pool of potential student journal reviews for journal editors to query when looking for manuscript reviewers. If you have any experience in these areas, please contact **Steve Ranney** (Steven.Ranney@sdstate.edu) or **Jeff Jolley** (Jeffrey.Jolley@sdstate.edu).

Electronic elections for new officers and Division Representatives are currently underway. Members of the Subsection can get ballots and candidate biographies from **Melissa Wuellner**. The election will close on **November 15**.

SECRETARY/TREASURER'S LINE

Steven R. Chipps, South Dakota State University, Steven.Chipps@SDSTATE.EDU

FINANCIAL SUMMARY

September 6, 2006 to September 1, 2007

Balance forward (September 6, 2006): \$165,994.63

Income	
Dues	1,135.00
Book sales	22,874.99
Interest (CDs)	5,993.87
Interest (savings)	155.90
Total	\$30,159.76

Expenses	
Hilton- Ed Section Social 2006	994.91
Jo Hightower-Excellence Award	500.00
D. Parrish-Travel to 2006 AFS	579.19
David Rowe-2006 Skinner	95.00
Dustin Edwards-2006 Skinner	95.00
Robin DeBruyne-2006 Skinner	95.00
Benjamin Ciotti-2006 Skinner	95.00
William Smith-2006 Skinner	95.00
AFS-Skinner Award memberships	304.00
AFS-Award plaques	75.00
Equal Opportunity Section	1,000.00
D. Parrish -AFS Gov meeting	855.85
J. Davis – Travel AFS	400.00
Total	\$4,908.95

Accounts (as of September 1, 2007)	
Checking	\$756.90
Savings	\$33,030.89
CD (7 mo @4.5%)	\$83,656.88
CD (7 mo @4.5%)	\$73,400.77
Total Assets	\$190,845.44

Minutes of the Annual Business Meeting -- Education Section
2007 Annual meeting of the American Fisheries Society
San Francisco, California
September 2, 2007

- I. **Call to Order**—Meeting was called to order by President Donna Parrish.
- II. **Introduction of Guests**—Past Presidents of the Section, Education Section officers and AFS staff were introduced by D. Parrish. D. Parrish recognized Past President C. Kohler and President-elect Mary Fabrizio who were in attendance.

- III. **Determination of Quorum**— A quorum (10% of membership) was present and confirmed by S. Chipps.
- IV. **Approval of Agenda**—D. Parrish introduced agenda. Gwen White's addition to the agenda, an update from the Equal Opportunity Section (EOS) in 'Additional Reports', was acknowledged and approved.
- V. **Approval of Minutes from 2006 Business Meeting**—D. DeVries moved to approve the minutes from the 2006 Education Section meeting as written; C. Paukert seconded the motion. Motion carried.
- VI. **President's Comments**—D. Parrish thanked Section members for their work this past year. Acknowledged efforts of EXCOM members and student judging committee for all their assistance with evolution resolution and student paper/poster judging. President Parrish noted that membership is declining, like other sections, but the Education Section continues to play a vital role for the Society.
- VII. **Treasurer's report**—S. Chipps presented the Treasurer's report. Total assets of the Section as of September 1, 2007 were \$190,845.44.
- VIII. **Report by AFS officer**---- Past President C. Kohler thanked members for remaining active in the Section. President Mary Fabrizio reported that the AFS budget is in good shape; mentioned new AFS initiatives to fund projects aimed at online products (electronic services) and highlighted our new electronic journal focused on marine systems. Also noted that *Fisheries* will soon be available as an on-line publication. President D. Parrish mentioned that the Excellence in Fisheries Education Award was not included on AFS banner, only the poster and reminded AFS officers that this is an AFS award administered by the Section.

IX. **Committee Reports**

Newsletter and Web page: Mike Meeuwig asked members to pass along any suggestions/ideas for the webpage. President Parrish asked that we acknowledge Rebecca Zeiber and Dan Dauwalter (neither were present) for their hard work and assistance with the newsletter and to forward on any ideas/suggestion for the fall newsletter.

Excellence in Fisheries Education: Mike Quist described the award and nomination procedure and discussed the committee's efforts to develop a standardized format/application form. He noted that committee members serve a three year term and that a student and representative from NCD are needed to round out the committee. Mike noted that there were three, well-deserving nominations for the 2007 Excellence in Fisheries Education award. Mike asked Andrew Dolloff to summarize the nomination for Eric Hallerman, this year's award winner. Andrew highlighted Eric's many accomplishments as an educator and his strong commitment to undergraduate and graduate education. Brian Murphy pointed out that Eric's picture and bio-sketch were not included on the AFS awards banner and to remind AFS staff that this is an AFS award.

Skinner Committee: Craig Paukert thanked those who served on the 2007 John E. Skinner Memorial Award Committee. The Committee received 57 applications for the Skinner Memorial Award and was able to provide 10 Skinner Awards and five Honorable Mentions. Craig acknowledged Dr. Peter Moyle's generosity; Peter donated \$1,000 to the 2007 Skinner Award fund. Dr. Moyle's donation allowed the committee to provide an additional \$200 of support to five students (honorable mentions) who attended the meeting. The 2007 Award winners were: Jessica Brewster (North Carolina State University), Christin Brown (North Carolina State University), Mark Carter (University of Illinois), Jeff Eitzmann (Kansas State University), Jesse Fischer (University of Nebraska), Julianne Harris (North Carolina State University), Jeff Jolley (South Dakota State University), Lisa Kerr (University of Maryland), Bryan Spindler (South Dakota State University), and Melissa Wuellner (South Dakota State University). Honorable mentions were: Nathan Bacheler (North Carolina State University), Kristopher Bodine (Oklahoma State University), Lisa Kamin (University of Alaska), Michael Meeuwig (Montana State University), Norm Ponferrada (University of California-Davis).

Past-president C. Kohler asked Craig how much money was in AFS account for Skinner funds. Craig reminded members that funds are variable from year-to-year depending on the amount of interest earned. In the past, we have been able to provide about 10 Skinner Awards per year with these funds. C. Kohler discussed the need to increase this to potentially 15 awards each year and asked the section to consider donating funds to support this effort. C. Kohler moved that the Education Section develop a strategy to increase the John E. Skinner Memorial fund to allow for 15 full awards each year and that we contribute \$25,000 to the fund; B. Murphy seconded the motion. The floor was open to discussion. T. Kwak wondered if we should let the Skinner Chair determine how much financial support would be needed to provide 15 awards. C. Kohler noted that, regardless of how many additional awards we could provide, we need to set a goal so that the fund is higher. B. Murphy agreed, and noted that we are in a financial position to contribute to this effort; asked if the EXCOM had any plans/needs for section funds (e.g., pedagogical fund). B. Murphy made a friendly amendment to the motion on the floor that the Education Section contribute \$25,000 to the Skinner Fund and ask other sections to match up to \$25,000. Friendly amendment was seconded by C. Kohler and motion carried.

Student posters/papers: T. Sutton summarized process/results from last year's student judging efforts. One best student paper (Kris Homel) and two honorable mentions (Bart Durham and Brent Murry) were awarded at the 2006 meeting. One best student poster (Ann Gulka) and one honorable mention (Belita Nguluwe) were awarded. Because of difficulties in objectively judging student papers/posters, an ad-hoc committee was formed last year to implement new judging guidelines for the 2007 meeting. At this year's meeting, 15 student papers and three student posters were selected for judging, based on submitted extended abstracts. Students competing for best paper presented their work during a one-day symposium (Mon afternoon and Tue morning) where all talks were judged by the same panel of five judges. The committee will meet after the symposium to select winners of the best student paper and poster entries and winners will be announced at the AFS business meeting. T. Sutton noted that the committee will work to develop a process for providing feedback to students not competing for awards at next

year's meeting. Trent also indicated that he will be stepping down as committee chair next year and is looking for a replacement. Several members had questions/comments about the new judging process. C. Guy recommended that we get feedback from students regarding the new judging process. D. Parrish noted that this would be a good activity for the student subsection and will be incorporated into next years judging effort. S. Cooke commented that lack of participation (i.e., posters) may say something about interest. T. Sutton/D. Parrish noted that the goal this year was to get more completed studies judged, maybe word of mouth will improve participation next year. D. DeVries agreed that word of mouth will help and added that increased participation might burden the committee next year to the point where additional criteria/decisions might be needed. C. Paukert added that the early deadline may restrict some students from participating in the competition. T. Kwak noted that this year is an "experiment" and we welcome any feedback from professionals and students.

Membership Committee: S. Lochmann discussed results from the 'fish contest'. Expectation to recruit new members was not very successful and will not try this as a recruiting effort again next year.

Program committee: T. Kwak noted that Education Section activities were well represented at the meeting. Tom highlighted section-sponsored events that included (1) the student paper symposium, (2) help with the student-mentor luncheon, and (3) the student colloquium, that is now organized by the student subsection.

X. Ad hoc committee & Special projects

Fisheries Techniques (3rd edition). A. Zale said the book is slowly progressing. Seventeen of 21 chapters have been completed and reviewed. Acknowledged that the Editors' workloads are part of the hold up with reviews because diverse reviews are making the process time-consuming. Technical writing has been an issue with some chapters, although the content is excellent. Editors are very appreciative of everyone's patience.

Analysis and Interpretation of Freshwater Fisheries Data. C. Guy said the book is completed. Chris thanked all of the authors for their patience. The book will be distributed by AFS on September 7, 2007. They will develop a web site that has box examples for a variety of statistical software packages. The price of the book is \$98 – not sure about the member/non-member difference in price.

Inland Fisheries Management in North America (3rd edition). M. Quist and W. Hubert (not present) are serving as editors for the third edition. Mike discussed the online survey that was used to get an idea of what professionals/students were looking for in a revised edition. They developed a steering committee consisting of Education and Fisheries Management Section members to review/summarize the online survey results and guide the publication process. The editors developed an outline of chapter titles and selected lead authors for each chapter. An ambitious time-line is in place with draft chapters due by January 1, 2008. Mike requested that the Education Section contribute \$5,000 to

publication costs for the third edition. Because a formal request was submitted to EXCOM, no motion was solicited and D. Parrish opened the floor for discussion. President Parrish brought the motion to a vote; the motion carried to provide \$5,000 in funding for the third edition.

“Writing” book. B. Vondracek and C. Jennings (not present) have volunteered to serve as editors to update the 1990 publication, Writing for Fishery Journals (J. Hunter, ed.). The 1990 publication is woefully out of date. They want to make the book broader than just fisheries journals and have identified 15 potential chapters, some of which are from the symposium on writing/publishing presented at the 2005 annual meeting in Alaska. About half of the chapters have designated authors. Bruce requested \$5,000 from the Section to help support publication costs. T. Kwak was concerned about changing the title of the book to something more broad; from a marketing standpoint this might affect sales/perception among AFS professionals/students. C. Guy asked if Education Section might get any royalty from sales that are generated. T. Kwak asked who negotiates royalties with AFS – the Section or the Editors? B. Vondracek thinks royalties should come back to the section. C. Paukert asked if the book is to have broad application (e.g. Writing for Natural Resources Journals) would it be composed of diverse authors or fisheries professionals. Similarly, S. Lochmann asked if diverse authors would conflict with fisheries journals? Past-President I. Adelman asked what the \$5,000 would be used for; B. Vondracek replied that most funds would be used to cover printing costs. D. Parrish commented that our mission (Education Section) is important to consider, despite profit (which should be considered less); the important point is that this book meet our students’ needs if broadened. D. Parrish reminded that the 1990 publication definitely needs to be revised. B. Murphy moved that the Education Section contribute \$5,000 to the writing book. A. Zale seconded the motion. D. Parrish opened the floor for discussion (none) then a vote by the membership. The motion carried.

Standardized sampling book. S. Bonar thanked section members for contributions to the book. D. Willis and W. Hubert are serving as co-editors with Scott on this new book. The book includes 15 chapters covering standardized sampling techniques for lakes, ponds, and rivers. Includes information on the spread of invasive/exotic species and advice on electrofishing. Ten partners have contributed funding to support the book and include State and Federal resource agencies. Forty-seven authors are contributing to the book. Reviews from over 30 different agencies provided input on the first draft. J. Margraf commented that animal use and care protocols should be included in relevant methods sections.

XI. Additional Reports

(a) Hutton program. D. Hawkins discussed the summer mentoring program for high-school students. This year, there were 36 students in the Hutton program working with a variety of state and federal agencies across 21 states. She mentioned that many of these students go on to a career in fisheries. Since 2001, the program has supported 271 students.

(b) Evolution resolution. R. Jackson discussed the evolution resolution. The resolution was presented to the Section for comments/suggestions, then the Resolutions Committee, then to the Governing Board for approval, and will now be voted on by the Society at the business meeting. About 70 other science organizations have adopted similar resolutions against the teaching of alternatives to evolution in science courses. D. Parrish thanked Randy for all of his hard work with this and encouraged members to read the background information that Randy put together (can be accessed from the Education Section website).

(c.) Student subsection. J. Davis noted that subsection membership is around 40-45 and has increased significantly since last year (about 15 members). This year the subsection revised their bylaws and developed a new email list serve set up by AFS for student members (students@fisheriessci.org). The subsection business meeting is being held at a different time this year in an effort to enhance participation. The subsection organized the student colloquium on writing/publishing that featured three invited guest speakers; D. DeVries (Editor, Transactions of the American Fisheries Society), M. Quist (Associate Editor, North American Journal of Fisheries Management), and Brad Parsons (Research Biologist, MN DNR). The subsection is planning to revise their procedures manual and get involved with the student/mentor luncheon and student judging activities at next year's meeting in Ottawa. D. Parrish added that door prizes (10 free AFS memberships) will be provided at the student subsection meeting and encouraged students to attend.

** Update from G. White. On behalf of the Equal Opportunity Section (EOS), Gwen thanked the Education Section for financial support for student travel. This year, EOS was able to provide travel funds to support 11 students at the meeting. Gwen also mentioned the EOS luncheon that highlights international student involvement in AFS and encouraged students to participate.

** J. Carlin discussed the AFS Web Advisory Board, the new electronic services committee that is being formed/approved by the Society. The purpose of the committee is to 'fix' and expand online information services; the structure of the committee would include Education Section representation. The Section could provide input on what services we would like to see offered. Joel volunteered to serve as Education Section representative for the first year and will keep us updated on the progress/evolution of the committee. He is active with the Web Advisory Board; they sponsored a workshop at this year's meeting to help with newsletters, etc...

XII. Other Awards and Recognition of Outgoing Officers

D. Parrish presented Trent Sutton with a Certificate of Appreciation for his work in developing and implementing the new student judging criteria.

D. Parrish presented S. Chipps with a Certificate of Appreciation for his service as Secretary-Treasurer of the Education Section (2005-2007).

D. Parrish presented Certificates of Appreciation to Jill Jenkins (Southern Division) and Chris Myrick (Western Division) for their service as Division representatives for the Education Section (2005-2007; certificates will be mailed)

XIII. Old business

None.

XIV. Installation of New Officers

Tom Kwak was installed as new President of the Education Section. Steve Chipps was installed as President-elect. Mike Quist was installed as Secretary-Treasurer. Derek Aday was installed as the new Southern Division representative and Dan Dauwalter was installed as the new Western Division representative to the Education Section.

XV. Recognition of Past President

T. Kwak recognized Donna Parrish as Past President of the Section. Tom thanked Donna for her service and leadership over the last two years and presented her the President's Gavel Award.

XVI. New President's Address

T. Kwak discussed the importance of the Section mission in educating and preparing students for professional careers in fisheries science. Tom summarized many of the accomplishments over the past few years related to student activities that included: the student-mentor luncheon, revisions to student paper/poster competition, and the student colloquium. President Kwak also noted that membership (i.e., recruitment) is an important challenge facing the Section and encouraged members to become involved with recruiting new members and highlighting Section activities. Tom will continue working with the student subsection and assist with recruitment of new student members. Tom said he looks forward to working with the new EXCOM over the next two years and thanked everyone for their participation in the Section.

XVII. New Business

No new business was discussed.

XVIII. Adjournment

Motion was made to adjourn the meeting. C. Kohler seconded. Motion carried.

HOT TOPICS

Tom Kwak, North Carolina Cooperative Fish and Wildlife Research Unit,
tkwak@ncsu.edu

Your President of the Education Section offers you a voice on parent society AFS issues, as I serve and vote on the AFS Governing Board and Management Committee. Below I list a few current topics within our section and the parent society. If you have a view on any of these issues, please e-mail me, and I'll share that with the other Education Section officers, which will ensure that we hear you and represent your view.

1. Economic Growth Policy Statement: The AFS Resource Policy Committee proposed a draft policy statement on Economic Growth and Fish Conservation that turned out to be rather controversial (see May *Fisheries* issue). The AFS Governing Board returned it for further development without a membership vote. This is currently under discussion on how to proceed.

2. Evolution Background Paper: **Randy Jackson** is working with the parent society to publish in *Fisheries* the excellent background document that he wrote for our adopted Resolution Concerning the Teaching of Alternatives to Evolution. It is especially informative and would explain why AFS should care, but is too lengthy for a typical *Fisheries* contribution. Perhaps he may publish a reduced version, and then make the longer document available on-line. Copy any opinion to Randy at jrj26@cornell.edu .

3. Student Symposium Presentation Suitability: Should we allow students to present research findings that have been published in the primary literature in the Best Student Paper Symposium at the Annual AFS Meeting? There are arguments both ways here, and we've had some lively discussion. Copy your opinions to **Trent Sutton** (Student Symposium Chair at tsutton@sfos.uaf.edu).

4. Who Gets a Skinner? Should evaluation of student applications for the Skinner Memorial Award be based on qualifications, need for travel assistance, or both? Copy your opinions to **Craig Paukert** (Skinner Chair at cpaukert@ksu.edu).

CONTINUING EDUCATION COMMITTEE, AFS

Craig A. Woolcott, Chair, Continuing Education Committee, Craig.Woolcott@noaa.gov

Continuing Education Committee

One of the most important functions of the Society is the maintenance and enhancement of the technical, professional, and administrative knowledge and skills of its members. The Continuing Education Committee is charged with that task, and encourages individuals and subunits to develop and propose for approval continuing education activities. Continuing Education activities may be approved for Continuing Education credit (CEU). The Continuing Education Committee must approve all continuing education courses or activities sponsored by the American Fisheries Society.

The objective of the AFS Continuing Education (CE) Program, administered by the Continuing Education Committee (CEC), is to provide members with quality opportunities to develop their expertise throughout their careers as fisheries professionals. Workshops and CE courses, which are often sponsored and/or prepared by AFS members, are a primary means of fulfilling this goal. AFS has contracted with the American Council on Education (ACE) to provide and maintain records of Continuing Education Units (CEU's) to be earned by participants wishing to receive them, provided that CE offerings meet the standards that are explained in these instructions to providers. CE offerings also can be used to receive Professional Development Qualifying Points (PDQPs) needed to meet and retain Associate and Certified Fisheries Professional accreditation through the AFS Certification Program.

2007:

The 2007 Continuing Education Committee had a very successful year; the Committee reviewed and approved 14 total Continuing Education Courses (ten courses were offered at the Annual Meeting in San Francisco, and 4 courses were offered in Division, Unit and Chapter meetings throughout the country). Courses included River 2-Dimensional Modeling, Introduction to Electrofishing, Monitoring Fish Behavior and Survival using Acoustic Tag Technology, and Choosing the Appropriate Biotelemetry Technology (See below for full list of AFS Annual Meeting & Chapter courses offered in the 2007 season).

In addition, the Continuing Education Committee has initiated discussions with Portland State University's "River Restoration Certification Program", which provides opportunities for students, professionals and practitioners to gain state-of-the-art training in river restoration, stakeholder coordination, negotiation skills, permitting & regulatory compliance, implementation and project oversight/monitoring.

Specifically, this training program focuses on:

- Understanding the natural processes and functions of streams
- Learning state-of-the-art best practices that enhance river function and value while working with natural processes
- Integrating your discipline and expertise into the collaborative restoration planning team
- Integrating the regulatory, social, and economic aspects of the project
- Effectively staying in compliance, on budget, and on schedule over the working life of the project.

Taught by prominent [practicing professionals](#), this university-level curriculum uses classroom and field lectures, team planning exercises, and extensive field work.

The Committee hopes to develop and finalize a partnership between AFS & PSU in FY2008, providing opportunities for AFS members to complete coursework &

certification in the program, as well as to provide opportunities to members to teach and facilitate modules throughout the west coast (and beyond). The partnership would provide Portland State University with the opportunity for AFS sponsorship, potential teachers & facilitators, and an avenue for attracting more students and professionals to the program. AFS CEC Chair Craig Woolcott attended a site visit and observation program at the University during their summer 2007 field restoration program.

The Committee will also be focusing on revision and enhancement of our Governing Board guidelines in 2007 with the goal of developing and building our Continuing Education opportunities.

AFS CEC 2007 Annual Meeting Courses:

TITLE	INSTRUCTOR
Use of new technologies in the design of ultrasonic telemetry studies	Jacque Gregor mjgregor@cox.net
Hydroacoustic Tools	Bob McClure bmclure@biosonicsinc.com
How to Get Right Things Done...	Michael Fraidenburg fraid@earthlink.net
River 2-D modeling	Mark Gard Mark_gard@fws.gov
Basic and/or Advanced GIS	Mickey Porter MPorter@uc.usbr.gov
DIDSON sonar technology	Debby Burwen debby_burwen@fishgame.state.ak.us
Leadership Principals	Carl Burger cvburger@smith-root.com
Monitoring Fish Behavior and Survival using Acoustic Tag Technology	Patrick Nealson pnealson@HTISONAR.COM
Choosing the Appropriate Biotelemetry Technology	Mitch Sisak msisak@Lotek.com
Infrastructure (Integrating green and gray infrast.)	Kevin Moody ckmoody@mac.com
Meta-analysis in fisheries science	James B. Reynolds ffjbr@uaf.edu
Using Limiting	Ethan Bell

Factors Assessments as the basis for managing and restoring fish populations	ethan@stillwatersci.com
Current and Emerging Pathogens	Jeff Heindel jheindel@idfg.idaho.gov
Intro to Electrofishing	Lisa Harland

AFS CEC 2007 Division/Unit/Chapter Courses:

TITLE	INSTRUCTOR
Current and Emerging Pathogens	Jeff Heindel jheindel@idfg.idaho.gov Idaho Chap Feb 2007
freshwater mussel ecology	Joint meet IN,OH,MI Todd Wills willst@michigan.gov
Pesticide-Safe & Effective Rotenone.	Roz Schnick Roz Schnick@centurytel.net Melvin (jmelvin@fisheries.org) will receive the money and Gail (ggoldberg@fisheries.org) will be the contact staff

COMMITTEE REPORTS

SKINNER MEMORIAL AWARD

Craig Paukert, Kansas Cooperative Fish and Wildlife Research Unit, cpaukert@ksu.edu

The 2007 Skinner Memorial Award winners (listed below) were recognized at the Annual AFS business meeting in San Francisco. We had all levels of education represented by the applicants, with four applicants at the BS level, 34 at the MS level, and 19 at the PhD level. We also had applicants from India, Puerto Rico, Canada, and the US. We had 57 applicants and awarded 10 Skinner Awards and 5 Honorable Mentions. Each Award winner was reimbursed up to \$800.00 for their travel to the 2007 American Fisheries Society Annual Meeting in San Francisco, California. Honorable Mentions received reimbursement for their registration to the Annual Meeting. In addition, each of the five

honorable mentions received an additional \$200.00 that was generously donated by **Dr. Peter Moyle**. Dr. Moyle received the AFS Award of Excellence in 2007, and donated his \$1,000 check to the Education Section to help defray student travel costs to the Annual Meeting.

At the Education Section Business Meeting in San Francisco, the Education Section agreed to donate \$25,000 to the Skinner Fund with the goal of increasing the number of Skinner Awards provided each year. The number of awards each year is determined by the amount of interest gained in the Skinner Fund. For example, last year the Skinner Fund earned \$8,009 so we provided 10, \$800 awards. We are currently checking to see how much estimated interest will be earned with the additional \$25,000 from the Education Section, but we hope to eventually provide 15 or more Skinner Awards each year. In addition, the Education Section is going to ask other sections, chapters, etc. to help match *additional funds* up to \$25,000 from the Education Section. The goal would be to provide a total of \$75,000 additional to the Skinner Fund. This is good news as the students are the future of the Society. If we can reward even more deserving students that is a great benefit.

2007 Skinner Memorial Award Winners:

Jessica Brewster	North Carolina State University
Christin Brown	North Carolina State University
Mark Carter	University of Illinois
Jeff Eitzmann	Kansas State University
Jesse Fischer	Kansas State University
Julianne Harris	North Carolina State University
Jeff Jolley	South Dakota State University
Lisa Kerr	University of Maryland
Bryan Spindler	South Dakota State University
Melissa Wuellner	South Dakota State University

2007 Honorable Mentions:

Nathan Bachelier	North Carolina State University
Kristopher Bodine	Oklahoma State University
Lisa Kamin	University of Alaska-Fairbanks
Michael Meeuwig	Montana State University
Norm Ponferrada	University of California-Davis



EXCELLENCE IN FISHERIES EDUCATION AWARD

Michael Quist, Iowa State University, mcquist@iastate.edu

The American Fisheries Society (AFS) Excellence in Fisheries Education Award (EFEA) was established in 1988. The award is a parent society award administered by the Education Section and is presented to an individual to recognize excellence in organized teaching and advising in some aspect of fisheries education. The primary purpose of the EFEA committee is to accept and review applications and then choose a recipient of the award.

This year's recipient of the award was **Dr. Eric Hallerman**. Eric is Professor and Head of the Department of Fisheries and Wildlife Sciences at Virginia Polytechnic Institute and State University. He teaches Genetics for Aquaculturists, Conservation Genetics, Advanced Conservation Genetics, and a variety of other courses as needed. He is the author, coauthor, or editor of three books, including *Population genetics: principles and applications for fisheries scientists*, published by AFS. He has mentored nine M.S. and three Ph.D. students to completion, with two M.S. and 3 Ph.D. students in progress. He is a member of the Education Section, a Life Member of AFS, and former president of the Genetics and Introduced Fishes sections. His research interests include population genetics of fish and wildlife species, genetic improvement of aquaculture stocks, and aquaculture biotechnology and related policy. He has published over 100 peer-reviewed papers in scientific journals, and is on the editorial advisory boards of two scientific journals. Dr. Hallerman exemplifies all of the attributes of excellence that we value in AFS. The Education Section is proud to acknowledge Dr. Hallerman for his excellence in fisheries education.



Call For Nominations

Nominations are currently being accepted for the 2008 Excellence in Fisheries Education Award. Nominees may be involved in extension or continuing education, as well as traditional college and university instruction. Nominees must be AFS members, have been actively engaged in fisheries education within the last five years, and have had at least 10 years of professional employment experience in fisheries education. Two or more people may act as nominators, but at least one nominator must be an AFS member. The nominator(s) is responsible for compiling supporting material and submitting the application. The suggested format for applications can be found on the Education Section web site (http://www.fisheries.org/units/education/AFS_education_awards.htm). Application materials should be sent to **Michael Quist** (mcquist@iastate.edu) in digital form.

Nomination deadline is **May 16, 2008**. Additional information can be obtained from:

Michael Quist
Chair, Excellence in Fisheries Education Committee
Dept. of Natural Resource Ecology & Management
Iowa State University
339 Science II
Ames, IA 50011
Phone: (515) 294-9682
FAX: (515) 294-2995
mcquist@iastate.edu

BEST STUDENT PAPER AND POSTER AWARDS COMMITTEE

Trent Sutton, University of Alaska-Fairbanks, tsutton@sfos.uaf.edu

Let me start by first thanking all of the students that presented a paper and/or poster at the 2007 Annual Meeting of the American Fisheries Society in San Francisco, California, for a job well done. In particular, I would like to thank those individuals that participated in the Best Student Paper and Best Student Poster Symposia. I would also like to again thank the judging panel (**Randy Jackson, Joe Margraf, Martha Mather, Steve McMullin, and Amanda Rosenberger**) that gave their time to help judge these presentations. From these symposia, we were able to award the following:

Best Paper

Kiza K. Gates, Christopher S. Guy, Alexander V. Zale, and Travis B. Horton. Angler movement and sediment transport: implications for moving aquatic nuisance species. USGS Montana Cooperative Fishery Research Unit, Montana State University, Bozeman, Montana.

Honorable Mention, Best Paper

Carrie A. Holt and Randall M. Peterman. Uncertainties in population dynamics and outcomes of regulations in sockeye salmon fisheries: implications for management. School of Resource and Environmental Management, Simon Fraser University, Burnaby, British Columbia.

Michael H. Meeuwig, Christopher S. Guy, Steven T. Kalinowski, and Wade A. Fredenberg. Influence of landscape structure on genetic structure of bull trout in Glacier National Park, Montana. USGS Montana Cooperative Fishery Research Unit, Montana State University, Bozeman, Montana.

Best Poster

Melissa R. Wuellner, Bethany J. Galster, Brian D.S. Graeb, Trevor M. Selch, Steven R. Chipps, and David W. Willis. Integrating basic and applied research in determining whether competition exists between two top-level predators in South Dakota Missouri River reservoirs. Department of Wildlife and Fisheries Sciences, South Dakota State University, Brookings, South Dakota.

Congratulations to all the winners for their hard work! The award information will also be published in a future issue of *Fisheries* and the award winners will receive a plaque and monetary gift from the American Fisheries Society.

At the 2007 meeting, this committee discussed the format that we used for developing the paper and poster symposia and the process of evaluating student presentations at annual meetings of AFS. Our intention is follow the same procedure for the 2008 meeting to be held in Ottawa, which was explained in a January 2007 article in *Fisheries* and on the 2007 AFS Annual Meeting website. We will post that article on the Education Section website (<http://www.fisheries.org/units/education/index.htm>) and request that all potential student presenters for the 2008 meeting read this article prior to submission of their abstracts. As before, students will be required to apply for consideration to be

judged and a subset of the applications will be chosen based on the strength of their application packet (which will include an extended abstract). During paper and poster symposia, only selected students (15 to 20 per symposium) will present their research and a panel of judges will evaluate each presentation. These students will have an opportunity to receive feedback on their projects; however, this will be decoupled from the award process which will allow them to receive feedback immediately following their presentation. We are also going to develop a mechanism, in conjunction with the Student Subunit of the Education Section, to provide feedback to all student presenters at the meeting, regardless if they are participants in the symposia.

INLAND FISHERIES MANAGEMENT IN NORTH AMERICA, 3RD EDITION

Michael Quist, Iowa State University, mcquist@iastate.edu

Wayne Hubert, University of Wyoming, whubert@uwyo.edu

Inland Fisheries Management in North America is one of the most important and most popular textbooks in the fisheries profession. Although the text remains a staple for fisheries management courses across North America, the book is due for a revision. The second edition was published in 1999. In September 2006, **Wayne Hubert** and **Michael Quist** were approved by the Education and Fish Management sections to serve as co-editors of the third edition of the book. Since that time, substantial progress has been made.

The co-editors began the project by assessing funding options. Options that were considered included grants and sponsorship from outside contributors, grants or loans from the AFS Publications revolving fund, and publication by the book publishing arm of the parent society. It was determined that the most risk free and financially rewarding option for the sections was the publication of the book by the AFS publishing arm. With that option, each section was asked to contribute \$5,000 to contract with a graphic artist to produce figures in a common format throughout the book. Both sections approved allocation of funds at the annual meeting in San Francisco. Returns will be split evenly by the Education and Fish Management sections at a rate of 7% of the sale price minus fulfillment costs up to the time when publication costs are recovered by the society and 10% thereafter. It has been estimated that each section will net about \$10,000 if 5,000 copies of the book are sold.

An online survey of AFS members was conducted during January-May 2007 to provide guidance on the content and structure of the third edition. Respondents were asked to provide responses to questions regarding the structure and quality of the second edition and what they hoped to see in the third edition. Over 200 members of the society responded to the survey. In addition to the survey, a steering committee was established that has equal representation from the Fisheries Management and Education sections. The committee assisted the co-editors in determining the structure of the third edition and the identifying lead authors for individual chapters. The steering committee and co-editors utilized the results of the survey and their own experiences to develop a general outline for the third edition. The result is a book with 21 chapters that differs

substantially from the first two editions. Following the development of a general outline, the co-editors contacted potential lead authors soliciting their participation in the book project and a cadre of lead authors was identified. Lead authors were charged with the responsibility of identifying collaborating authors that would bring additional expertise and diversity to the effort.

Currently, authors are writing the first drafts of their chapters to be submitted to the co-editors by the end of 2007. The co-editors will then provide criticism for the authors to utilize in the writing of a second draft. Second drafts will be peer reviewed and comments by the co-editors will be provided to facilitate the production of third drafts. It is anticipated that the third drafts will be assimilated into a complete manuscript of the book and submitted to the AFS Book Department prior to the 2008 annual meeting.

SCIENTIFIC COMMUNICATIONS FOR NATURAL RESOURCE PROFESSIONALS

Thomas Lauer, Ball State University, tlauer@bsu.edu

The new AFS publication *Scientific Communications for Natural Resource Professionals* edited by **Cecil A. Jennings**, **Thomas E. Lauer**, and **Bruce Vondracek** is progressing, as chapters and authors have been assigned. This book is based on John Hunter's *Writing for Fisheries Journals* (1990) and a writing symposium held at the 2005 AFS meeting in Anchorage. The objective of the publication is to provide an up-to-date and relevant guide for publishing research in natural resource journals. Support is being provided by both AFS Parent Society and the AFS Education Section. Do you have questions? See the web site: <http://tlauer.iweb.bsu.edu/Lauer/BackGround.htm>

MISCELLANEOUS

ATTENTION STUDENTS!! MIDWEST FISH AND WILDLIFE CONFERENCE - A FULL-DAY WORKSHOP FOR UNDERGRADUATE STUDENTS

“Beginning Your Professional Journey”



Are you trying to figure out the requirements and best way to apply to graduate school, or what types of positions employers have for new graduates and what they're looking for in future employees? Eager to prepare for those inevitable interview questions such as “Why should we hire you for this position?” If so, ‘Beginning your Professional Journey’ is the workshop for you! The workshop will be held at the upcoming Midwest Fish and Wildlife Conference (<http://midwest.ncd-afs.org/index.asp>) in Madison, Wisconsin. Four sessions will include Resumes and Professional Correspondence, Academic and Employer Panels, Networking, and Interview Skills. Participants will have opportunities to practice their

newly acquired skills during the Midwest Fish and Wildlife Conference and will receive binders full of resource materials for future use. Previous participants gave the workshop a “thumbs up!” From **K. Schnurer**, Lake Superior State University, “*This workshop far exceeded all expectations that were held by students. We came out of it with a feeling that we were more equipped to start applying for jobs and for graduate schools. I think every undergraduate should attend this workshop!*”

The workshop will be held on Sunday, December 9 from 8:30a.m. – 5:00 p.m., and is limited to the first 50 pre-paid registrants. Workshop cost (including breaks, lunch and a binder stuffed with relevant resources) is only \$20! ****NOTE:** Registration for the conference is NOT included in this fee. To register for the workshop, please do so online at <http://www.midwest.ncd-afs.org/index.asp> . If paying by check, please download a registration form, fill out, and mail your check payable to American Fisheries Society – Wisconsin Chapter to Midwest Fish & Wildlife Conference, c/o Registration Technology, 1029 Lake Street, Suite A, Oak Park, Illinois 60301. Please include your contact information, including a telephone number and email address. Questions? Contact co-organizers: **Jim Schneider** (schne181@msu.edu) and **Eric Anderson** (eanderso@uwsp.edu). We look forward to seeing you in Madison!

EDITOR’S NOTE

The newsletter should have arrived in an HTML format if you have that option available in your email program. We hope that the formatting and pictures arrived to your computer the same way we sent them, but there is sometimes no telling what goes on in the inter[net]-galactic space between computers and servers. We have attempted to keep the embedded pictures from becoming attachments while sending the newsletter. However, they sometimes just seem to show up, and there might be new problems as people transition to MS Office 2007. Please let us know if this has happened to you.

We welcome any suggestions to format, content, or any other issues regarding the newsletter. Newsletter submissions are always welcome; just send them to one of us.

Newsletter co-editors,

Dan Dauwalter, ddauwalt@uwyo.edu

Rebecca Zeiber, rebecca.zeiber@unh.edu