



The Newsletter of
the Texas Chapter of
the American
Fisheries Society



Volume 29 (4)

Winter Issue

December 2003

President's Message

Gary Garrett

It has been another great year for the Texas Chapter of the American Fisheries Society, and I have enjoyed my tenure as President. We co-hosted the Golden Alga Workshop, we will host the Propagated Fishes in Resource Management workshop in San Antonio next summer and we will host the 2006 Southern Division meeting. These endeavors raise the profile of the Texas Chapter, enable valuable networking opportunities for our members and raise needed funds for scholarships and other Chapter activities.

My deepest thanks to everyone who has served this chapter over the years and especially the current group of officers and committee members and chairs. I encourage all of you to continue your efforts in helping to make the Texas Chapter the best Chapter in the country. I encourage all of you to serve your Chapter in the best way you can. It is only by working together that we can continue the good works of those that have served before us and maintain this valuable organization. It doesn't take a commitment of large amounts of time to serve on any committee, and you don't have to be an "expert" to serve. Committee participation can aid in your professional growth and strengthen the Chapter. Please consider ways in which you can contribute, then get out there and get active! The Chapter is only as good as its active members.

See you in College Station at the annual meeting.

TCAFS ExCom Meeting

Paula Hawkins

In attendance were Gary Garrett, Paula Hawkins, Fran Gelwick, Bruce Hysmith, John Moczygomba, Tim Bonner, Dennis Smith, Brian Van Zee, Ray Mathews, Larry Hysmith, Cynthia Gorham-Test. President Gary Garrett called the meeting to order on November 11, 2003, at 1:00 pm.

Secretary/Treasurer – Paula Hawkins – Reported last balance as of 9/30/2003 was \$19,440.69 in the Merrill Lynch account. The stock market seems to be in an up swing, balance should be increasing over the next few months. TCAFS co-hosted the Golden Alga Workshop in Fort Worth in October. Due to our involvement with the workshop, it was decided a donation would be made to TCAFS for scholarships.

Editorial – Tim Bonner – As of November 11th, 15 papers had been submitted. Proceedings from last year should be printed in time for the annual meeting. 100 copies will be printed to be given to libraries and mailed out to interested parties/requests.

History – Ray Mathews – Larry Hodge offered some historical photos of Dundee FH. Pictures will be entered on the website for assistance on identification of people and events.

Publicity/Exhibits – Brian Van Zee – contacted exhibitors from list last year. There are 4 confirmed exhibitors, possibly 6. Door prizes are slow coming in. Brian is asking for assistance in getting guided trips.



Annual TCAFS Meeting – The meeting preparation is well underway. Agendas are getting set up and details are being worked out. Cynthia Gorham-Test with TRRMS attended the ExComm meeting to give an overview of the Instream Flow Methodology symposium that will take place in conjunction with the TCAFS annual meeting. The workshop will consist of two sessions, morning will include a history of instream flow studies in Texas; a case study of a completed instream flow study; and an overview of the Senate Bill 2 Instream Flow program. The afternoon session will focus on fish habitat in streams and rivers, particularly the collection and evaluation of field data. There will be invited speakers to address technical issues relating to development of fish habitat requirements. Bruce Hysmith will check on the criteria for continuing education credits for the Instream symposium. Robert Mauk will be coordinating the golf tournament on Sunday morning. If you are interested, please contact Robert at 940/766-2383.

Remember to submit your early bird registration for the annual meeting. Mark your calendars.

Attention Golfers!

At this years TCAFS Annual Meeting, we will be having a golf tournament Sunday morning at the Texas A&M University golf course if there is enough interest. The tournament format will be 4-person scramble. Cost is \$32 with a cart included. Prizes for longest drive and closest to hole will be given. Tee time is 8 a.m. on Sunday, February 8th. We need at least 16 players to sign up (of course more are welcome). Please pre-register by contacting Robert Mauk at (940) 766-2383 or e-mail maukrobert@hotmail.com before January 7th. If enough interest is shown, the \$32.00 course fee must be collected before the TCAFS meeting to reserve the golf course. Those who have shown interest will be contacted as to how and when payment will be handled.

Pond Management Craig Bonds

The Pond Management Committee is in the process of reviewing our pond management manual. The committee members have reviewed the manual and have provided editorial suggestions for improving and/or updating the document. We plan on further discussing the proposed revisions and implement the revision process next year (2004). Most of the revisions will be centered around updating the references since much has been published since the last revision in 1999. Other, minor revisions are also planned. That's where the pond committee stands right now. More committee news will be presented by me at the TCAFS annual meeting.

Editorial

Tim Bonner

The meeting agenda will be posted on the Website as soon as it is completed. There are some exciting presentations in the agenda this year.

Continuing Education

Bruce Hysmith

The 2004 TCAFS conference will feature two Continuing Education classes. As per usual, beginning at 2 pm on Sunday, February 8, 2004, there will be a class on "IDENTIFICATION OF SMALL FISHES FROM TEXAS RIVERS AND STREAMS" by Dr. Bobby Whiteside, past president of TCAFS. The course will cover the little guys and gals like minnows, topminnows, and darters and will run for two hours. Bobby may also include some information on sunfishes, such as bluegill, orangespotted, and longear sunfishes as well. It will be a power point program and very informative and useful in our line of work. As per usual, this class is available at no cost to conference registrants.

There will also be a day-long workshop "INFLOW STREAM STUDIES" sponsored by Texas River and Reservoir Management Society on Tuesday, February 10. This will run concurrently with our business meeting and a technical session. Cost for the workshop is \$40.00. This is in addition to your conference registration fee.

The Texas River and Reservoir Management Society

(TRRMS) is pleased to work with the Texas Chapter of the American Fisheries Society (TCAFS) to offer a workshop on instream flows and fish habitat at the TCAFS 2004 meeting. The workshop will be held on February 10, 2004, in College Station, Texas at the Hilton Hotel. The cost of the workshop is \$55, which includes a \$15 membership fee to TRMMS. Students may attend the workshop for a \$15 fee, but must present proof with their registration form that they are full-time students.

Space for the workshop is limited so please send your registration form early.

For more information on the TCAFS meeting, please visit the TCAFS website at <http://www.sdafs.org/tcafs/index.htm>.

The Instream Flows and Fish Habitat Workshop will consist of two sessions. The morning session will include a history of instream flow studies in Texas, a case study of a completed instream flow study, and an overview of the Texas Instream Flow Program. This overview will include a brief discussion of the program's objectives and priorities, development of an instream habitat model, water quality and physical processes evaluations, and how these components fit within the overall study framework.



The afternoon session will focus on fish habitat in streams and rivers, particularly the collection and evaluation of field data. Invited speakers will address technical issues related to development of fish habitat requirements (i.e., suitability criteria).

TRRMS INSTREAM FLOW AND FISH HABITAT WORKSHOP SCHEDULE

8:15 AM Introduction to Morning Session
8:20 AM History of Instream Flow Studies in Texas
8:55 AM Update on Texas Instream Flow Program
9:30 AM Water Quality component
10:05 AM BREAK (15 min)
10:20 AM Case Study
10:55 AM Case Study on Provo River
11:30-11:45 Q&A

11:45-1:00 LUNCH

1:00 PM Introduction to Afternoon Session
1:05 PM Randall Moss of TPWD
1:45 PM Kirk Winemiller of Texas A&M Univ.
2:25 PM Paul Leonard of Entrix, Inc.
3:05 PM BREAK (15 min)
3:20 PM Gary Grossman of Univ. of Georgia
4:00 PM Thom Hardy of Utah State Univ.
4:40 PM Q &A

Publicity and Exhibits Committee

By Brian Van Zee

The raffle and publicity committee could use some help in rounding up prizes for the raffle and auction at this year's annual meeting. Due to the slow economy a lot of businesses have decided not to donate prizes this year so please get out and hit up the sporting goods stores and marinas in your area. Also, David De Leon and I will be stepping down as chairs of this committee so we are in need of some volunteers to take over for next year. If you need a donation form or solicitation letter please contact either Brian Van Zee or David De Leon.

IT IS TIME TO VOTE AGAIN BY JOHN MOCZYGEMBA

First I would like once again to thank committee members, Paul Hammerschmidt (TPWD, Austin), and his staff for printing the ballots and getting them mailed. He has got this down pretty good since he has been doing for the past five years. This will probably be his last year, since we plan to vote online next year. Take a break Paul!

This year we will vote on a President-elect. The candidates for President-elect are Fred Janssen (Texas Parks & Wildlife Department, Inland Fisheries Division, Austin) and Dave Terre (Texas Parks & Wildlife Department, Inland Fisheries Division, Tyler). The procedures will be the same as last year. Paul will mail the ballots out the middle of December. The mail-out will include each nominee's resume and their vision for the Texas Chapter in the future. The ballot will have a stamp on it and it is already addressed. Mail it in by Wednesday, February 4, 2004, especially if you do not plan to make the meeting. Last year about 67% of the members voted. Can that be beat? So mail in your ballot and be eligible to win a GREAT prize, which will be drawn for at the annual meeting. You do not even have to be present to win. If you come to the meeting and have not voted yet, there will be a voting table at the registration desk. Just pick up a ballot, fill it out, and put it in the ballot box before 10:30 am Monday, February 9. The results will be announced at the business meeting. To be an eligible voter you must be a registered member, so make sure your dues are paid up. See you at the meeting.

Symposium Announcement

RE: Ecological Integration Symposium- CALL FOR REGISTRATION

Student Research Symposium- CALL FOR ABSTRACTS

Location: Texas A&M University

To Whom It May Concern,

We are currently planning the Fifth Annual Ecological Integration Symposium at Texas A&M University. The symposium will be held on Friday, February 20, 2004 at the Bush Presidential Conference Center in College Station, TX. This annual symposium is an interdisciplinary effort by graduate students from seven departments within the University. Our symposium's goal is to provide a one-day forum for discussion and demonstration of ecological value in the context of conservation and sustainability. Additionally, we hope to foster interaction between students and leading scientists.



Past symposia each achieved over 500 attendants from diverse groups—graduate and undergraduate students, faculty and professionals from 20 Texas A&M University departments, 23 other universities, 11 state and federal agencies, and 8 NGO's. Because of overwhelming support from Texas A&M University and other sources, the symposium has been free to all attendees. The focus of this year's Ecological Integration Symposium is "Demonstrating Ecological Value: Promoting Conservation and Sustainability". The symposium will host six invited speakers from diverse disciplines of ecology, conservation, sustainability, and ecological economics. Thus far, Robert Costanza (Director of the Gund Institute for Ecological Economics, University of Vermont), Brian Czech (U.S. Fish and Wildlife Service), Claire Kremen (Department of Ecology and Evolutionary Biology, Princeton University), Peter Moyle (Department of Wildlife, Fish, and Conservation Biology, University of California-Davis), and Richard Rice (Conservation International) have accepted invitations to speak. Each presentation is allotted sixty minutes with a round-table discussion at the conclusion of the presentations.

Previous symposia of this series were resounding successes and hosted noted scientists from diverse areas of conservation, ecology and evolution.

2000 – Integration Across Ecological Scales

James H. Brown, Gustavo Fonseca, Michael Gilpin, Michael Huston, Reed Noss, James Reichman, Joan Roughgarden, and Jack Ward Thomas

2001 – Biodiversity, Complexity and Ecosystem Function

Lenore Fahrig, J. P. Grime, Dan Janzen, James Kitchell, Ariel Lugo, Judy Meyer, Bruce Milne, and Dan Simberloff

2002 – Evolutionary Perspectives in Ecological Integration

Peter Cranston, Paul Ewald, Stephen Hubbell, Jonathan Losos, Craig Moritz, and Elisabeth Vrba

2003 – Natural History and Modern Conservation

Harry Greene, Hans Paerl, Thomas Sherry, Maureen Stanton, Thomas Swetnam

Please **register** for the **Ecological Integration Symposium** at the event's website (<http://symposium.tamu.edu>). Check the website for more detailed information.

Additionally, the Department of Wildlife and Fisheries Sciences at Texas A&M will be hosting a **Student Research Symposium in Conservation, Ecology, and Evolutionary Biology** on **Saturday February 21, 2004** at the College Station Conference Center, located adjacent to the university. The meeting is completely organized by graduate students for all undergraduate and graduate students working in the biological sciences. The goal is to provide a setting for students at various stages in their studies to present their research in a formal environment. Several of the speakers from the Ecological Integration Symposium may serve as judges and/or be available for further interaction with students. Cash awards for the best undergraduate and

graduate paper and poster presentation will be given at the end of the meeting. **Abstracts are currently being accepted** at the event's website <http://studentsymposium.tamu.edu>. Check the website for more detailed information.

Please mark your calendars for both of these events!
Sincerely,

2004 Ecological Integration Symposium Committee
<http://symposium.tamu.edu>

and

Student Research Symposium Committee
<http://studentsymposium.tamu.edu>

NEW BOOKS

NEW! Book release from AFS

Inland Fishes of Washington, Second Edition

Richard S. Wydoski and Richard R. Whitney

360 pages, hardcover, 113 color plates

Published by American Fisheries Society in association with University of Washington Press

Publication date: November 2003

Stock #637.06C; ISBN 0-295-98338-8

List price: \$55

AFS Member price: \$45

Summary:

This new, updated, and greatly expanded edition of *Inland Fishes of Washington* (first published in 1979) describes all the known native and introduced fishes found in freshwater habitats of Washington State, including most of the fishes of Oregon, Idaho, and British Columbia. The authors have created a valuable reference for the general public, biologists, teachers, students, and environmentalists.

An overview of Washington's topography and natural provinces clarifies the influence of geographical, historical, economic, and political forces on the existence of freshwater fishes today. This wide-ranging study gives balanced coverage to nearly everything that is known about the appearance, distribution, growth, reproduction, consumption, and survival of these fish. Salmon, perhaps the most prized fish in the Northwest, are placed within the context of the many other mutually supporting species that together make up the ecological network that sustains them all. Forces impacting fish populations—the presence of non-native and introduced fish, historical and contemporary urban development, and the management of water resources—are also discussed.

The book provides instruction on the basic methods of fish identification, with keys and illustrations that bring together the traits and forms most useful in distinguishing species and subspecies. The keys follow a simple arrangement that



progressively illustrates and discusses traits distinctive to each fish.

The valuable information presented here benefits from the authors' many years of firsthand experience in the field, their years of study and research, and their awareness of and access to the best investigative work being done today by biologists and researchers across the country.

List price: \$55.00

AFS Member price: \$45.00

Stock #637.06C, hardcover

ISBN 0-295-98338-8

To order: Go Online: Go to the AFS Online Bookstore at:
<http://64.224.98.53/cgi-bin/hazel-cgi/hazel.cgi>

Phone or Fax: AFS Book Orders at (678) 366-1411, or Fax (770) 442-9742. Email: afspubs@pbd.com

AFS Members:

**Need an idea for a New Year's
Resolution?**

How about...

**mentoring a local high school
student in fisheries biology!**

All you need to do is submit a simple application to the Hutton Junior Fisheries Biology Program! If a student from your area is selected for the Hutton Program, they will work with you for eight weeks in the summer and are awarded a \$3000 scholarship from AFS! For more information, go to the AFS main page (www.fisheries.org) and follow the link to the Hutton Program. You can also e-mail hutton@fisheries.org to learn more.

**Students...Professors...Fisheries
Professionals...**

Please pass the word.

**The Southern Division AFS Reservoir
Committee
is accepting applications for the**

**Robert M. Jenkins
Memorial Reservoir Research Scholarship**

This scholarship was created in 1997 to provide financial assistance to graduate students in the southeastern United States (*AL, AR, DC, FL, GA, KY, LA, MD, MS, MO, NC, OK, PR, SC, TN, TX, VA, VI, WV*) that are conducting reservoir-related fisheries research. A subcommittee will review applications and present recommendations to the Committee at the Committee's meeting held in conjunction with the SDAFS Spring Meeting in Oklahoma City in February, 2004.

Two **\$1,000** scholarships will be awarded annually with funding for a second year contingent upon research and academic performance. This award will be made directly to the student and not the student's educational institution. It can be used for any aspect of the graduate education including, but not limited to, tuition, textbooks, equipment, travel or living expenses. It is not intended to replace any funding obligated to the student. Scholarship recipients will be required to present the results of their study to the Committee or at a conference where the Committee is holding a regular meeting. Travel assistance of up to \$500 each will also be provide if travel funds from other sources are unavailable.

To apply go to

<http://www.sdafs.org/reservoir/scolship/apply.htm>

**Deadline for submission of applications is December 31st,
2003!!!**



Announcement

Southern Division of the American Fisheries Society

Warmwater Streams Committee

Jimmie Pigg Memorial Outstanding

Student Achievement Award

The Warmwater Streams Committee was established in 1976 as a technical committee within the Southern Division of the American Fisheries Society in order to address issues related to warmwater streams. The Committee promotes the conservation and management of warmwater streams by providing a forum for the exchange of ideas, information, and concerns.

The Committee created an Outstanding Student Achievement Award in 1997 to recognize university students who are truly outstanding in research, education and professional endeavors. Outstanding student(s) are recognized at the Southern Division's Annual Mid-Year Meeting and receive a plaque, funds to travel to the meeting, and a one-year membership to the American Fisheries Society. In 1999, the award was re-named the Jimmie Pigg Memorial Outstanding Student Achievement Award in honor of Jimmie Pigg, a longtime supporter of student activities.

Students must be either currently enrolled in a university or had been enrolled during the 2002-2003 academic year. Criteria are based on research, education and professional activities. Research criteria can be achieved by either independent graduate activities or collaborative research with educators or fishery scientists. All aspects of research activities concerned with warmwater streams are acceptable. An outstanding educational record based on undergraduate and/or graduate courses is desirable. Courses concerned with fishery or aquatic biology, statistical concepts, and warmwater stream biology and management are highly desirable, but not required. Professional activities such as holding offices or chairing committees in fishery-related student organizations, AFS Chapters, and other professional organizations are desirable. Activities in public services such as children fishing derbies, teaching conservation and fishing workshops to local elementary and high schools and other conservation-related activities are also desirable. All nominees must be willing to present their research at the 2004 SDAFS Mid-Year Meeting and must submit with the nomination material an abstract. All nominees will be ranked based on research (40%), education (25%), professional service (25%) and public service (10%).

A committee of members employed by state and federal agencies, and universities will serve as the selection committee. Nomination material is available from the Committee's homepage housed in the SDAFS site (<http://www.sdafs.org/>) or by contacting John Copeland at jcopeland@dgif.state.va.us or (540) 961-8304 (press 2 during the greeting message for his mailbox). All nomination material must be submitted by **January 15, 2004** to John Copeland, 2206 South Main Street, Suite C, Blacksburg, VA 24060 or by fax at (540) 961-8425.

¹For the definition of warmwater streams see Winger, P.V. 1981. Physical and chemical characteristics of warmwater streams: A review. In Krumholz, L.A. editor. The Warmwater Stream Symposium: A National Symposium on Fisheries Aspects of Warmwater Streams. American Fisheries Society Warmwater Streams Symposium, 1981, pp 33-44.

TCAFS Registration Form

College Station, Texas

February 8 – 10, 2004

Registration includes access to all technical sessions, the continuing education workshops, the Student/Professional Mixer, and the banquet that will be held at the Hilton Hotel. The deadline for early registration is January 23, 2004.

Name		Date	
Street Address			
City	State	Zip	
Work phone		Email Address	

Student will work for free lodging (first come basis) _____

<u>MEETING REGISTRATION:</u>	<u>Cost/person</u>	<u>Total Cost</u>
Regular Member Registration – Received before 01/23/04	\$35.00	_____
Received after 01/23/04	\$45.00	_____
Student*/Spouse Registration – Received before 01/23/04	\$20.00	_____
Received after 01/23/04	\$25.00	_____
Chapter Dues (Professional/Student*)	\$12/\$5	_____
Total Registration		\$ _____

*Student registration and membership is for full-time, currently registered students only.

WORKSHOPS AND CONTINUING ED:

Sunday, February 8th

- 2:00 pm Identification of Small Fishes from Texas Rivers & Streams (**free**) Yes, I will attend _____
 Class given by Dr. Bobby Whiteside
- 4:30 pm Student Workshop – Finding & acquiring a job in the fisheries/
 aquatic profession (1 hour course) (**free**) Yes, I will attend _____

Tuesday, February 10th – all day

- Instream Flow Studies \$55 Yes, I will attend _____
 Class given by Texas River and Reservoir Management Society (TRRMS)

Please send registration fee to Robert F. Adams, CH2M HILL, 6210 Highway 290 East, Suite 430, Austin, TX 78723

Committees: Please indicate which committee(s) you are willing to serve on.

- Awards _____
- Editorial _____
- Endowments _____
- Issues _____
- Stocks at Risk * _____
- Exotic Species * _____
- Membership _____
- Continuing Education _____
- Nominating _____
- Pond Management _____
- Publicity/Exhibits _____
- Student Outreach _____
- Internet _____

* Subcommittees of the Issues Committee

Mail completed registration (1 form per person) and payment to:

Paula Hawkins, TX Chapter AFS Treasurer, 15800 FM 1826, Austin, Texas 78737, Please make checks payable to TCAFS

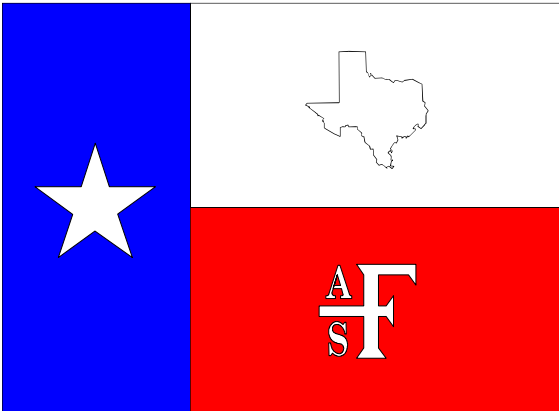


JOIN THE TEXAS CHAPTER

If you are interested in joining or renewing your membership to the Texas Chapter of the American Fisheries Society, you can get membership materials at our web site <http://www.sdafs.org/tcafs/default.htm> or contact **Jason Vajnar or Dennis Smith, Rt 1 Box 123A, Electra, TX 76360-9502, (940) 586-1203, Jason.Vajnar@tpwd.state.tx.us** or the newsletter editor to obtain application information.

**Next Newsletter submission deadline:
November 24, 2003 Winter Issue**

Submissions are encouraged. Submit a hard copy or a .TXT file by mail or email to the editor at **deborah.wade@tpwd.state.tx.us**



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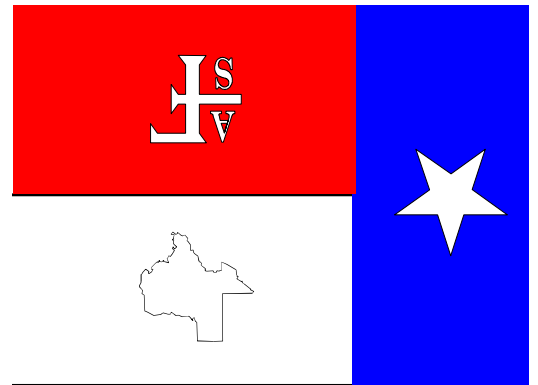
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