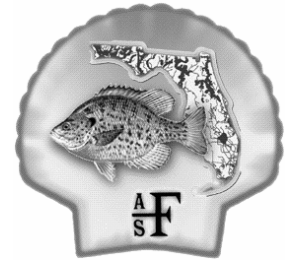


the shell-cracker



<http://www.sdafs.org/flafs>

FLORIDA CHAPTER OF THE AMERICAN FISHERIES SOCIETY

April, 2005

President's Message:

“Connected Again”: That is how I feel after every Florida Chapter meeting and especially so after our silver anniversary meeting in the Ocala National Forest. I learned, I networked, and I formed new collaborations for the future. Did you connect, again?

The Chapter as a whole was very connected during the 2004-2005 year. We formally established the Rottmann Memorial Scholarship Fund for the long-term, the students successfully spearheaded the formation of a Student Subunit, and we smoothly moved to a new venue for our annual meetings. This packed year culminated with our 25th annual meeting, which was our largest to date in terms of registered attendees, a full schedule of platform presentations, the most posters ever presented, and a record for raffle proceeds!

I want to personally thank all the symposium participants for their enthusiastic response to my call for a well-rounded collection of presentations regarding “Florida’s Diadromous Fishes.” I think the symposium connected with everyone: in linking the marine and freshwater biomes, in reviewing familiar territory (even textbook examples), and in breaking through some of the comfortable paradigms I had about diadromous fishes – and where we need to be looking in the future. Let’s not wait another 25 years to organize a second diadromous fish symposium!

So many connections, so little space, but let me mention three in particular. Mike Allen, who spearheaded the special presentation on our Chapter’s history, made the connections that celebrated our past, seized our present, and heralded our future. Josh Murauskas connected us with the challenges that students take on and succeed with, as in his case: ‘from the trailer park to the histology lab.’ And how about Bill Pine, who connected his (award-winning) presentation with a purpose for all of us: for future generations to share in the joy of fishing and to witness the diversity of nature.

One final connection, regarding the leadership and spirit of volunteering within our Chapter. As the program chair for our 2005 meeting, it was necessary for me to delegate many responsibilities, and people were there to help when I asked...and they arrived ready to assist before I even asked. Are you hesitant to run for office or to assume some other leadership role, because you are concerned that there will be no one to help? My experience shows that this is not a problem with our Chapter membership. So, put that out of your mind and get connected!

Rich McBride, President FL AFS



Upcoming Events

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Apr 6-10, 2005 - 34th Annual Benthic Ecology Meeting, Williamsburg, VA.

April 7-8, 2005 - New Currents in Conserving Freshwater Systems: A Biodiversity Science Symposium, New York City, NY.

April 26-29, 2005 - 18th Annual National Conference: Enhancing the States' Lake Management Programs, Chicago, IL.

May 2-4, 2005 - Symposium on Fishery Sciences in Mexico, La Paz, Baja California Sur, Mexico.

May 23-27, 2005 - B04: Interactions Between Physical and Biological Processes in Riverine Landscapes: New Insights from Interactive Research, New Orleans, LA.

July 6-11, 2005 - American Society of Ichthyologists and Herpetologists, Tampa, FL.

July 27-29, 2005 - Fish Health Section Annual Meeting, Minneapolis, MN.

July 11-14, 2005 - 29th Annual Larval Fish Conference, Barcelona, Spain.

September 11-15, 2005 - AFS 135th Annual Meeting, Anchorage, AK.

Oct 16-19, 2005 - 59th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies: When Practice Meets Policy, St. Louis, MI.

***Check out our Parent Society's calendar at
<http://www.fisheries.org/Calendar.shtml>
for other events not listed here!***



Neighbors Ready To Help

Chris Horton
Conservation Manager

I'm sure that many of you are familiar with the obvious components of BASS: professional bass tournaments, Bassmaster Magazine, BASS TIMES, Bassmaster.com and the Saturday morning television show on ESPN2. However, fewer are probably aware of the BASS Conservation Program. I would like to take this opportunity to introduce the Florida Chapter of AFS to this component of BASS.

Since it's inception in 1968, BASS has had a strong commitment to natural resource protection and enhancement. In fact, five of the original ten BASS goals were dedicated to some aspect of natural resource conservation. Today, we have two, full-time positions in the BASS Conservation Department. Our primary job responsibilities include working on federal and state natural resource policies, providing political support for important sportfishing initiatives, and helping to guide the conservation efforts of our BASS Federation members. In addition to directly assisting the Federations, we represent their interests, and the interests of our general membership, on various national and regional councils, such as the Sportfish and Boating Partnership Council, the Recreational Boating and Fishing Foundation, the Theodore Roosevelt Conservation Partnership, the Southeast Aquatic Resources Partnership, the Aquatic Plant Management Society, and various committees of the American Fisheries Society, including the Southern Division Reservoir Committee.

With just over 530,000 members in the United States and abroad, BASS is the largest fishing organization in the world. The BASS Federation component of our membership, comprising about 47,000 members, is the true horsepower behind the BASS conservation efforts. The most avid of our anglers, the Federations realize the importance of protecting our natural resources and serve as an enormous volunteer base for political advocacy and on the ground projects to improve our nation's fisheries. Some examples of the issues we and the BASS Federations address on a daily basis include habitat restoration, aquatic vegetation management, angler access, agency funding, fisheries regulations and water allocations. Whether it's adding artificial habitat to reservoirs or meeting with state/federal politicians on natural resource legislation, our Federations can and do get involved. We provide them with strategic advice and ensure that their efforts are solidly grounded on scientific principles.

Just to give you an example, one of the most frequent issues that we address is dealing with aquatic vegetation management, a subject with which Florida is very familiar. Typically, we advocate for 20-40% coverage of aquatic plants, the commonly accepted level for optimal fish habitat. Most reservoirs in other parts of the country are highland, impounded streams, many of which are aging, and the amount of submersed fish habitat is quickly disappearing. The flooded terrestrial vegetation that once served as critical nursery cover for young fish, has decayed, leaving "moonscape" substrates with little or no escape cover. When an exotic, like hydrilla, colonizes these systems, fisheries habitat is restored. However, shoreline property owners often ex-

perience problems with these plants and begin eradication efforts. We work with the property owners to establish treatment programs that minimize impacts of plants to their property, while working to maintain valuable fish cover in undeveloped portions of the reservoir. Where possible, we try and educate the anglers that displacing exotic vegetation with native plants is the best solution for all stakeholders.

Florida presents a unique situation in that most of the lakes and reservoirs where exotic plants present a problem are shallow, hyper-eutrophic systems. This type of environment facilitates the total or near total coverage of exotic vegetation. We have and will continue to work with water regulatory authorities to reduce the nuisance aquatic vegetation to manageable levels, while educating the anglers that too much vegetation is not necessarily good fisheries habitat.

Another example of our efforts in Florida is our support of S.A.F.E.R., or South Florida Anglers for Everglades Restoration, a group founded in part by members of the Florida BASS Federation. Restoring the Florida Everglades has always been high on the priority list at BASS and our Florida BASS Federation. However, recently the restoration effort itself has threatened angler access to this world class fishery. We managed to bring this issue to the attention of Secretary of the Interior, Gale Norton. Though the situation hasn't been fully resolved, the National Park Service and the US Army Corps of Engineers have begun incorporating angler access into the restoration models.



We realize that the fisheries resources of Florida are facing some major challenges in the near future. The tremendous population growth that the state is currently facing will place enormous pressure on water resources. Aquatic nuisance species alone pose serious threats to not only native habitats, but also to the economic viability of local communities. We want to help the state address these challenges, while working to ensure the future of sportfishing.

BASS will move its headquarters to Central Florida near Walt Disney World Resort in April 2005. BASS offices will be located in Celebration, FL, in Osceola County. Though the move is certainly positive for BASS, Florida's natural resources also stand to benefit from the relocation.

We look forward to the opportunity to work with you in protecting water resources and sportfishing in the state of Florida. Our new location will simply make it easier for you to get us involved on any issue where anglers or advocacy can help you accomplish your goals.

Like any good neighbor, we'll be there.

Roger Rottmann Memorial Scholarship



The Florida Chapter AFS created the Roger Rottmann Memorial Scholarship in 1997 in the memory of Roger Rottmann, one of the first fisheries biologists hired by the State of Florida University System. Roger conducted fisheries and aquaculture research for more than 20 years at the University of Florida, producing numerous scientific journal articles, educational publications, and videos. Roger was a founding member of the Florida Chapter and played an important role in the early development of our Chapter. Additionally, he remained an active member of our Chapter and other professional societies dealing with fisheries and aquatic resources until his untimely death in 1994. The scholarship was established to recognize outstanding graduate students enrolled in Florida universities and colleges. This year, two scholarships were awarded: one for PhD students and one for Masters students.

This years recipients are **Mark W. Rogers**, a Ph.D. student at the University of Florida, IFAS, Department of Fisheries and Aquatic Sciences and **Jeffrey M. Grim**, a Masters student at the University of West Florida, Department of Biology.

Mark received his B.S. degree in 1997 from North Carolina State University and his M.S. degree in 2002 from the University of Wisconsin – Stevens Point. Mark worked as a fisheries technician from June 1997 to October 1998 for the Virginia Tech. Department of Fisheries and Wildlife. He taught various science classes in North Carolina from October 1998 through July 2000. Mark was a biological scientist at the University of Florida, Department of Fisheries and Aquatic Sciences, from June 2002 to August 2003. He began his Ph.D. program in August of 2003 under the advisement of Dr. Mike Allen, Associate Professor. Mark's dissertation topic is entitled "Hatching duration, growth, and survival of age-0 largemouth bass along a latitudinal gradient of Florida lakes."

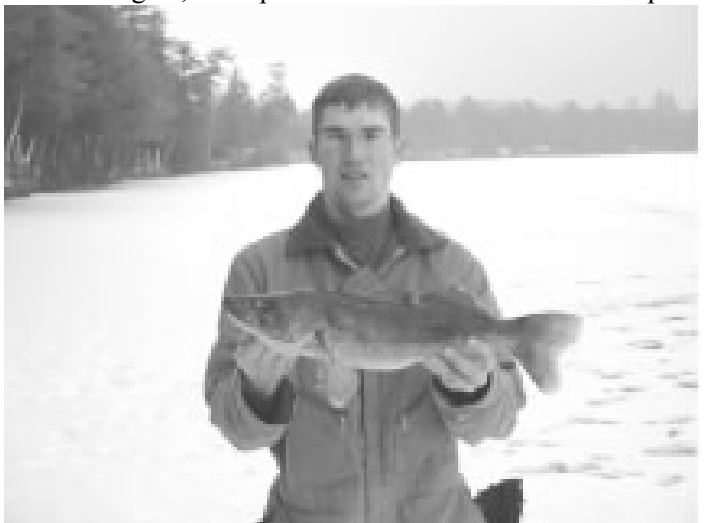
Mark has four peer-reviewed publications, either published or in press, and has made nine professional presentations. Mark has been active in volunteering with youth. He served as the AFS Computer User's Section webmaster and on the Southern Division AFS Student Colloquium Committee. Mark was the UF contact for establishing the Student Subunit of FAFS. Mark plans to pursue an academic position balanced between teaching and research.

Jeff received his B.S. degree from the University of Tampa in 2002. In the fall of 2000, Jeff worked at the Lowry Park Zoo as an Aquatics and Herpetology Curatorial intern. For most of 2001 and 2002, Jeff worked as an undergraduate laboratory assistant at the University of Tampa. During the summers of 2001 and 2002, he worked for the Florida Fish and Wildlife Conservation Commission's FMRI Fisheries Independent Monitoring Program (with Brent Winner). He began his M.S. program in August of 2002 under the advisement of Dr. Wayne Bennett, Associate Professor. Jeff's thesis topic is entitled "Oxic physiology of two batoid elasmobranch fishes."

Jeff has given eight presentations, for which he received one and was runner-up for two "best student presentation" awards. Jeff has served as judge at numerous science fairs and has been an active community volunteer, most recently assisting with Hurricane Ivan clean-up and repairs in Escambia and Santa Rosa Counties. Jeff was the UWF contact for establishing the Student Subunit of FAFS.

You can find more information about the Rottmann Scholarship on the Florida Chapter's web site, <http://www.sdafs.org/flafs/doc/rothmann.html>

Mark Rogers, a recipient of the Rottmann Scholarship.



**Minutes of the Florida Chapter's
2005 Annual Business Meeting**
Ocala, FL
February 24, 2005



President Mike Allen established that a quorum was present and called the meeting to order at 7:05 pm.

The chapter recognized Jack Dequine as the first Southern Division AFS president (1952). Also in attendance was Larry Conner, Southern Division AFS past-president.

The chapter recognized past Florida chapter AFS presidents in attendance: Larry Conner, Bob Wattendorf, Rich Cailteux, Wes Porak, Grant Gilmore, Ron Taylor, Peter Hood, and Wayne Bennett.

The chapter recognized Gus Rassam, Executive Director of AFS, for his attendance to commemorate the 25th anniversary of the Florida Chapter.

Secretary-Treasurer Eric Nagid presented the treasurer's report. The report was accepted by unanimous vote.

Past-President Wayne Bennett introduced Chuck Cichra and Derek Tremain as president-elect candidates.

Chuck Cichra furnished a report on Student Travel Grants. Ten full grants (meals and lodging) were awarded out of 19 applicants. The grants were awarded to John Eme, Ivy Baremore, Jynessa Dutka-Gianelli, Suzanne Gibson, Nick Trippel, Kevin Johnson, Katie Fitchett, Heidi Wallman, Jeffrey Grim, and Mark Rogers.

Chuck Cichra presented the 2005 Rottmann Scholarship Fund award for the M.S. candidate to Jeffrey Grim from the University of West Florida. The Rottmann Scholarship at the Ph.D. level was awarded to Mark Rogers from the University of Florida.

Larry Conner presented the Southern Division update. He discussed the successful venue at Virginia Beach, VA, and promoted upcoming venues at San Antonio, TX (2006), Memphis, TN (2007), and Morgantown, WV (2008). Larry also promoted the Hutton Junior Fisheries Biology Program and encouraged Florida chapter members to mentor high school students with fisheries-related interests.

Mike Allen introduced the Florida chapter AFS bylaw revision and approval by AFS Constitutional Consultant, Dirk Miller. The revision identifies the Student Sub-unit under the Florida Chapter AFS, and includes the Sub-unit president as a member of the Florida Chapter AFS executive committee. Rich Cailteux made a motion to revise the wording to "membership dues may be collected..." and otherwise accept as written. Wes Porak seconded. The motion passed unanimously.

Mike Allen introduced the Student Subunit officers: Mark Rogers, President; Nicole Morris, President-elect; Jennie Sandberg, Secretary/Treasurer.

Mike Allen acknowledged Kim Bonvechio for three years of service to the Florida Chapter AFS as Newsletter Editor, and announced Jackie Debicella as the current newsletter editor.

Tom Maher encouraged Chapter members to solicit raffle items prior to next year's meeting.

Bob Wattendorf had no website updates to report.

Wayne Bennett introduced the elected officers. Eric Nagid was retained as Secretary/Treasurer. Chuck Cichra was voted President-Elect.

The meeting was adjourned at 7:36 pm.

**Treasurer's Report
Florida Chapter AFS**

Fiscal Year 2004 (January 1, 2004 to December 31, 2004)

Beginning Balance: January 1, 2004	\$30,492.81
Closing Balance: December 31, 2004	<u>\$14,862.89</u>
Difference:	\$(15,629.92)

Credits:

Deposits	\$13,792.00
Dividends & Interest	\$447.51

Debits:

Checks	\$(30,204.62)
Funds to Purchase Securities	\$(661.71)
Other debits	\$(277.19)

Asset Value:

January 1, 2004	\$9746.35
Securities Purchased	\$661.71
December 31, 2004	<u>\$10,609.67</u>
	\$201.61

Major Expense Categories:

Annual Meeting	32%
Newsletters	4%
Rottman Scholarship transfer	50%
Rottman matching funds	4%
Rottman awards	2%

Provided by: Eric Nagid Secretary/Treasurer FL chapter AFS



Student Section

DIETARY EXPOSURE TO ORGANOCHLORINE PESTICIDES *p,p'*-DDE AND DIELDRIN AND THEIR EFFECTS ON STERIDOGENESIS AND REPRODUCTIVE SUCCESS IN FLORIDA LARGEMOUTH BASS (*Micropterus salmoides floridanus*)

Kevin G. Johnson

Department of Fisheries and Aquatic Sciences
7922 NW 71st St., Gainesville, FL 32653

Previous work at reclaimed agriculture lands within the St. Johns River Water Management District's Emeralds Marsh Conservation Area (EMCA) have indicated that high organochlorine pesticide (OCP) concentrations in tissues of Florida largemouth bass (*Micropterus salmoides floridanus*) and have been associated with reproductive abnormalities, including depressed and/or reversed sex steroid hormone concentrations. Two of the OCPs found in highest concentration at these sites are *p,p'*-DDE and dieldrin. In addition to high OCP concentrations and depressed sex steroid hormone concentrations in largemouth bass sampled from the EMCA; of great concern was the apparent limited reproduction by stocked adult largemouth bass or recruitment of largemouth bass to the fingerling stage. The objective of my studies was to compare several reproductive biomarkers for Florida largemouth bass exposed to pesticides *p,p'*-DDE and dieldrin by dietary administration. For my first experiment, largemouth bass were fed for 30 days using chemically treated floating pelleted feed. Twenty bass, 10 males and 10 females, per tank were placed into each of nine treatments in replicate: Control; 1, 7, 35, and 136 µg/g *p,p'*-DDE; and 0.03, 0.1, 0.6, and 5 µg/g dieldrin. Feed doses were chosen to create body burdens similar to those reported for wild largemouth bass in the EMCA. After day 30, five males and five females per replicate were sacrificed, had their blood and plasma collected for circulating sex steroid hormone analysis, and gonads collected for calculation of GSI. Gonads and carcasses from one male and one female per replicate were also analyzed for OCPs. OCP analysis revealed a consistent correlation between the administered dose and the concentrations found in the gonads and whole carcass for both *p,p'*-DDE and dieldrin. Final gonad and carcass concentrations for both *p,p'*-DDE and dieldrin were similar to those found in largemouth bass from the EMCA. Histological analysis of gonadal tissue indicated that all fish in this experiment were sexually mature. GSI did not vary with dose of *p,p'*-DDE or dieldrin. Analysis of circulating sex steroid hormones also revealed no consistent relationships between *p,p'*-DDE or dieldrin dosages and circulating concentrations of 17β-estradiol (E₂) or 11-ketotestosterone (11-KT). These results may have been influenced by the timing of OCP exposure. The study began after the reproductive organs were fully developed, thus, causing my first experiment to miss critical events in the reproductive system that could have influenced gametogenic and steroidogenic development. Endocrine system changes that initiate gonad maturation, including surges in E₂ and 11-KT sex steroid hormone production, had already taken place and were already on a seasonal decline by the time peak OCP concentrations were reached.

For my second study, *p,p'*-DDE and dieldrin exposure length was extended to a 120-day period, between the months of November and March, encompassing a larger part of the steroidogenic and gametogenic portions of the reproductive cycle of a largemouth bass. Extending expo-

sure length for this study aimed to reevaluate single chemical dose-response effects of dietary exposure to *p,p'*-DDE and dieldrin on the same reproductive biomarkers (GSI and circulating sex steroid hormone analysis) as in the first study and to determine if attained *p,p'*-DDE or dieldrin doses effect clutch hatchability of eggs produced by the spawning of the treated fish. One hundred bass were placed into each of seven treatments: Control; 5, 46 and 50 $\mu\text{g/g}$ *p,p'*-DDE; and 0.04, 0.4, and 0.8 $\mu\text{g/g}$ dieldrin. On day 0 of the experiment, 24 fish were sampled to collect background measurements, and then approximately every 30 days, six males and six females per treatment were sampled to collect measurements on measured reproductive biomarkers. Extension of exposure length demonstrated reductions in female bass E_2 concentrations, a lack of expected seasonal increasing trend in E_2 concentrations, and abnormal increases in 11-KT concentrations. These changes were similar to sex steroid hormone abnormalities reported for largemouth bass from the EMCA. Reductions in female bass plasma E_2 concentrations demonstrated by the *p,p'*-DDE and dieldrin treatments averaged 2 to 3 times less than the Control treatment, indicating that both OCPs induced significant biological reductions in E_2 concentrations. Attained OCP carcass concentrations and achieved depressions of female E_2 concentrations, however, did not cause a reduction of percent hatch between the *p,p'*-DDE and dieldrin treated fish and those feed a control diet. Consequently, my study did not provide any strong evidence that two of the predominate OCPs (*p,p'*-DDE and dieldrin) found in soils and largemouth bass tissues, sampled from the EMCA, cause dose-response decreases in the percent hatch of eggs produced by the spawning of these treated fish. This may indicate that a lack of reproductive success by adult Florida largemouth bass, stocked into the EMCA, is not the primary reason for the failure of the development of the EMCA into a quality largemouth bass fishery.



Announcements



A big thanks goes out to everyone who helped make the annual meeting another great success. Without the help of volunteers, this meeting could not have been possible. To all who contributed, from organizers to judges, WE THANK YOU!!

New AFS Book Releases:

The Big Fish Bang: Proceedings of the 26th Annual Larval Fish Conference Edited by Howard I. Browman and Anne Berit Skiftesvik.

Monitoring Stream and Watershed Restoration. Philip Roni, editor.

Propagated Fish in Resource Management. Edited by Mary Nickum, Patricia Mazik, John Nickum and Don MacKinley.

Interested in contributing something to the Shell-Cracker? Email Jackie Debicella at jmdebicella@mactec.com with any articles or information that you would like to be included in the next issue. The deadline for the next issue is June 30th, 2005, so start fishing...

Award Winners

Best Student Poster: Bryant Bowen (Univ. Southern Mississippi)

Bowen, B. R. and B. R. Kreiser. Phylogeography and divergence times of *Alosa* species separated by the Florida peninsula.

Best Student Poster (Runner-up): Cheree Steward (Florida Institute of Technology)

Steward, C. A. Estimating age from otolith morphometrics in the gray angelfish (*Pomocanthus arucatus*).

Best Student Paper: Ivy Baremore (University of Florida)

Baremore, I. E. and J. K. Carlson. Preliminary reproductive parameters of the Atlantic angel shark with a potential example of reproductive senescence.

Best Student Paper (Runner-up): Bryant Bowen (Univ. Southern Mississippi)

Bowen, B. R., B. R. Kreiser, W. T. Slack, P. F. Mickle and S. T. Ross. Population genetics of Alabama shad: Conservation and management implications for an anadromous species.

Best Professional Poster: Bill Szelistowski (Eckerd College)

Szelistowski, W. A. Semilunar reproduction and rapid juvenile growth in the needlefish *Strongylura scapularis*.

Best Professional Poster (Runner-up [tie]): Jered Jackson (Florida Fish & Wildlife Cons. Comm.)

Jackson, J. B. and D. J. Nemeth. A new method to describe seagrass habitat sampled during fishery-independent monitoring.

Best Professional Poster (Runner-up [tie]): Kristin Maki (Florida Fish & Wildlife Cons. Comm.)

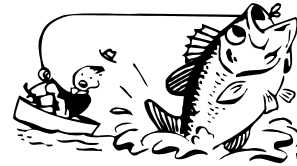
Maki, K. L., R. S. McBride, and M. Murphy. Biology of wahoo in Florida and the Bahamas.

Best Professional Paper: Bill Pine (Mote Marine Lab)

Pine, W. E., III and M. S. Allen. Population viability of Suwannee River Gulf sturgeon: Inferences from capture-recapture and age-structured models.

Best Professional Paper (Runner-up): Brent Winner (Florida Fish & Wildlife Cons. Comm.)

Winner, B. L., T. S. Switzer, J. Whittington, and N. Dunham. Ichthyofaunal survey of the St. Lucie Estuary and effects of freshwater inflow: Too much of a good thing?



Origins of the Florida Chapter AFS – Power Tie Award

The Power Tie Award was initiated in 2000 by Brent Winner. The purpose of the award was to give recognition to the “most dynamic oral presentation” at the annual meeting of the Florida Chapter of the American Fisheries Society.

Previous winners of the award are:

2000 Stephen Bortone
2001 Wayne Bennett
2002 Chris Metcalf
2003 Jerry Lorenz
2004 Stephen Bortone
2005 Will Patterson

According to tradition, the winner of the award attends the following year’s meeting and wears the tie at some time during the meeting (preferably during a talk presented by the winner). The power tie is then presented at the awards session to the individual who has given the most dynamic oral presentation at that meeting.

ANNOUNCEMENT FOR NOMINATIONS

C. W. WATSON AWARD

Nominations are being sought for the 2005 Clarence W. Watson Award. This annual award will be presented at the Southeastern Association of Fish and Wildlife Agencies. The meeting is in St. Louis, Missouri in October 2005.

The Clarence W. Watson Award is the most prestigious award given in the Southeast and is presented to the career individual who, in the opinion of the Award Committee, has made the greatest contribution to wildlife or fish conservation during the previous year or years. Consideration includes research, administration, law enforcement, I&E, wildlife management, fish management, teachers, and students. Preference is given to nominees in the Southeast. The award is a mounted bronze plaque presented jointly by the Southern Division of the American Fisheries Society, the Southeastern Section of the Wildlife Society, and the Southeastern Association of Fish and Wildlife Agencies.

All Southeastern fish and wildlife conservationists and other interested persons are encouraged to nominate worthy candidates. Nominations should be submitted in the format shown below and should include complete information on the candidate's background, i.e., education, training, noteworthy accomplishments, and particularly, the achievement(s) for which the nomination is being made. The nomination should include, but is not be limited to, a description of the accomplishment(s), application in the state and region concerned, time involved, and the amount of aid received from associates. As much information as possible should be furnished to aid the committee in making the selection. A previously unselected nominee may be resubmitted each year. Last year's recipient was David J. Waller of Georgia.

Letters of endorsement are not necessary and are discouraged. Selection will be based on specific accomplishment(s) and other information included in the letter of nomination. Nominations should be sent to: Ben D. Jaco, 5004 Mailbu Drive, Knoxville, TN, 37918, phone 865-687-6034 or email eajaco@aol.com, as soon as possible, but **not later than August 16, 2005.**

NOMINATION FORMAT

Background Information

- A. Name
- B. Birthdate
- C. Education
- D. Employment History

Accomplishment(s)* and Application of Accomplishment(s) Upon Which the Award Should Be Made

- A.
 - (1) Problem or opportunity with which nominee was involved
 - (2) Action nominee took to solve problem or capitalize on opportunity
 - (3) Results (accomplishments) of nominees' actions
- B. “ “
- C. “ “

*The C.W. Watson Award may be given for accomplishing a single item or a series of different non-related items. But, the award is given to a nominee who has contributed the most to any of the appropriate areas of fish and wildlife conservation. Emphasis is on contribution, not tenure. Those making nominations are requested to insure that they explain clearly what was accomplished and how it contributed.



2005 Student Travel Grants

Each year, the Florida Chapter AFS provides travel grants to students that are attending the Chapter's 3-day annual meeting and conference. The travel grants cover the cost of food and lodging at the meeting, while the students pay for the meeting registration fee. Funds for these travel grants are generated by a raffle, held during the prior year's conference.

Eleven of the 19 students, that applied for travel grants, were awarded grants to attend this year's meeting. This year's recipients were from the Florida Institute of Technology (Jynessa Dutka-Gianelli - Ph.D.; Melissa Turner - B.S.), University of Florida (Ivy Baremore - M.S.; Nicholas Trippel - M.S.; Kevin Johnson - M.S.; Mark Rogers - Ph.D.), and University of West Florida (John Eme - M.S.; Suzanne Gibson - M.S.; Katie Fitchett - M.S.; Heidi Wallman - M.S.; Jeffrey Grim - M.S.).

Students interested in applying for travel grants for the 2006 meeting should check the Chapter's web site this fall for updated information, application materials, and application deadline. Travel grants will also be advertised in the Shellcracker prior to the meeting.

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