



President's message

by Bruce Hysmith

TC/AFS 2014 at Tanglewood Resort on Lake Texoma was a definite hoot! Despite some early problems with reservations and such, things leveled out and we had a great meeting. We had lots of room and rooms which provided excellent accommodations. I don't think anybody golfed, but Tanglewood has a great course. And fishing, I think maybe a few of you indulged in our fishing. If you did not get the opportunity to fish, give us a holler and we might be able to work up something later on in the year. Don't forget, late fall or early winter has proven to be the most productive. How about the social menu, was that fantastic or what? The auction and raffle was a real success and the presented papers and displayed posters were real testimonies to our fisheries work. I think the bi-state meeting joining the Oklahoma chapter with the Texas chapter was a huge success. I have heard nothing but good comments. Not only did we have great opportunity to network about our various projects, from what I hear both chapters fared well on the auction/ raffle which, as we know, provides financial support that allows us to offer scholarships to so many deserving students. A big "thank you" to all who participated.

Now that the hoopla is over, it's time to roll up our sleeves and get to work. We have lots to do. Who knows where this zebra mussel invasion of Oklahoma and Texas will end up and what toll on native fishes will the invasion take? Right now things seem to have settled down in Lake Texoma as far as the density of zebra mussels, but rest assured they are still on the scene. On the good side their abundance in Lakes Eldorado, KS and Oologah, OK appear to have declined as in Lake Texoma. Zebra mussels have however migrated to Lake Ray Roberts and veliger DNA has been detected in other area lakes; Lavon, Belton, and Bridgeport. So far Lake Belton is the farthest south migration of zebra mussels. These back-to-back droughts have taxed our resources. Right now it appears that fish have fared much better than associated commercial support businesses. Low and no water in area marinas has taken a bite out of their income and the loss will most likely trickle



down. Very closely attached to this trickle-down is state fishing license revenue, not to mention revenue from sales of fishing equipment, including boats. OK enough of that, let's get down to positive stuff. As in the words of an old proverb, "we still have our health"! We still have fish and viable fisheries and I say we be about managing what we have to the best of our abilities and thereby provide our constituents unsurpassed angling recreation opportunities. Inland Fisheries has an inventory of some of the best sampling equipment I have ever seen, at least District 2-A does. And I am all for putting it to good use. My first official act as your president, was visiting the Texas A & M University Chapter AFS on Friday February 22 in College Station. Subunit president Haley Woelfel runs a tight ship and offered up excellent fried catfish and all the trimmings. Not unlike our meetings, they had an auction and raffle.

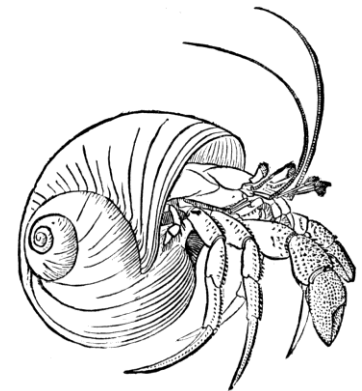
Until next time: Bruce Hysmith, President, TX Chapter AFS.

President-elect's message

by Kevin Storey

I got quite a surprise in our most recent business meeting at Lake Texoma when outgoing president Richard Ott brought it to the attention of our membership that I have served as Newsletter Editor since 2005. I am still enjoying that role because it allows me to lend a hand in keeping the Texas Chapter running, it's something I enjoy doing and it does not require too much of my time. I would encourage those in our membership who are not actively engaged in the operation of the Chapter to consider finding areas where you can be involved. There are bound to be committees and positions that are looking for the energy and enthusiasm that you can contribute. This can be a very rewarding endeavor and it gives you an opportunity to give something back. Volunteer organizations function like relay races and it's important to relieve those who have been actively engaged before they burn out. A list of our current Committee chairs and Chapter officers can be found on the last page of the newsletter. If something catches your fancy either contact the committee directly or let me know and I'll help put you in touch with them. You can call me at 903-593-5077 or send an email to kevin.storey@tpwd.texas.gov.

My current endeavor with the Chapter, that of President-elect in 2014 followed by President next year, is going to allow me to shift gears significantly and become much more involved in the running of our organization. I've got a number of people I need to thank for this opportunity. First to John Clayton and previous Nominating Committee Chairs who asked me to consider running for the post. After declining a number of times, 2013 was finally the year when I decided I would give it a go. To Michael Baird who also agreed to compete for the post and who ran a very clean campaign, unlike politicians of late! And finally I am honored to have been chosen by the membership for this leadership challenge. I am by nature a bit of an introvert but these new responsibilities will give me ample opportunities to grow professionally. From my background in Marine Biology I am reminded of hermit crabs that can retreat into the safety of their shells but eventually they outgrow their homes and need to find bigger ones. May we all grow together in our quest to fill bigger shells!



Past-President's Message

By Richard Ott

Well another TCAFS annual meeting is behind us and from my perspective it went exceptionally well. I found it particularly fulfilling that we were able to host a joint meeting with the Oklahoma Chapter and from the comments I heard from them they were justifiably impressed. The quality of presentations and posters produced by both chapters was excellent; it is always a benefit to exchange information with colleagues that may have a different perspective from our own.

Looking back over the past year and preparing my president's report for our chapter's business meeting it became apparent to me how many of our committee chairpersons have served for multiple years but still keep coming back for more. It was definitely humbling to compare my single year of service to several individuals whose appointments began as early as 2005 and the many who have served multiple years since. We are a volunteer organization, none of our elected or appointed positions are paid; this is not the case in many other professional organizations. Everyone in TCAFS who serves does so because they believe in the chapter and want it be as good and as pertinent to our profession as it can possibly be. Although it is possible to benefit from chapter membership by just paying dues and attending meetings it is by serving on a committee or being elected to office and being involved in the internal workings of the organization where you receive the greatest benefit. As I pass the Skeg of Responsibility to Bruce, and wish him the best for the upcoming year, I also ask the membership to look inward and determine if they can serve the chapter in some capacity. If you can, I think you will thank yourself as I now thank you for giving me the opportunity to serve you.

2013 Outstanding Achievement Awards

by Dave Buzan, Awards Committee Chair

At our 2014 Lake Texoma meeting, we celebrated contributions of our colleagues to fisheries. Texas chapter members and their supporters contribute significantly to our understanding of fish ecology, fisheries management, and recreational fishing both within the state and nation. The chapter's awards for contributions in 2013 are summarized below.

Special thanks to chapter members who submitted nominations and Awards Committee members (Leslie Hartmann, Mukhtar Farooqi, Dave Terre, Robert Mauk, Mark Webb, and John Payne).

Special Recognition – Gary Garrett

Gary played a leadership role over the past 4 decades in the conservation of Texas native fishes and recovery of imperiled fishes throughout the desert southwest. He authored more than 70 scientific publications on the conservation of natural resources in Texas and in 2009 became director of Texas Parks and Wildlife Department's Watershed Policy and Management Program. He served in that role until his recent retirement. He has served as president of several conservation societies, editor of three scientific journals, and led multiple imperiled fish recovery teams.



Special Recognition - Fishes of Texas Team – Dean Hendrickson, Adam Cohen, Ben Labay, Doug Martin, Melissa Casarez, Texas Natural History Collections, University of Texas at Austin

The Fishes of Texas Project documents fish occurrences in Texas, using specimen-based records from 46 museums, and makes them accessible to anyone via the web, functioning as a virtual museum. The project does far more than just serve compiled data. It also normalizes, georeferences and verifies specimen identifications; all accompanied by extensive documentation. It is the single most authoritative source for documentation of distributions of all Texas fishes over space and time. The Fishes of Texas team's iNaturalist website provides an efficient and effective way for anyone interested in the state's fishes to update and expand the museum database and interact with curators. The modeling and conservation planning research done by the Fishes of Texas team has helped maximize the value of its high quality database for applied fish and aquatic conservation management actions.



Special Recognition – Todd Driscoll



Todd Driscoll is a skilled communicator and a leader of teams. His accomplishments during the past year were exceptional. Most notable were manuscript publications in peer-reviewed journals (1 in print; 1 in press; and 1 accepted); approval of his Reservoir Fisheries Habitat Partnership grant proposal and partnership collaboration; implementing largemouth bass length limit change, surveying anglers, and increased access at Lake Kurth; developing a justification (in collaboration with the Louisiana Dept. of Fisheries and Wildlife) for the proposal to change blue and channel catfish length limit on TX/LA border waters; and documenting Lake Naconiche fishery characteristics following grand opening.

Outstanding Fisheries Student – Tony Rodgers

Tony has an outstanding academic record, both as an undergraduate fisheries student at South Dakota State University (Dean's List every semester) and as a Master of Science fisheries student at Texas A&M. He worked part-time and as a summer employee for South Dakota, Minnesota, and Iowa on fisheries projects. For his Master's thesis at Texas A&M, Tony is researching the relationship between flow variation and reproduction, recruitment, and growth of several minnow species in the Trinity and Brazos Rivers. This project involves collaboration with the River Studies Unit of Texas Parks and Wildlife Department, and findings will contribute to the goals of the Texas Instream Flows Program.



Outstanding Fisheries Technical Support – Patsy Berry



Patsy is the Staff Services Officer for Region 2 at Texas Parks and Wildlife in Waco and has worked for the agency for over 25 years. For a number of years, Patsy has helped support the Texas Chapter with conference setup, registration and auction accounting. In addition to the technical support she provides, you can always find Patsy helping those who "look lost" and don't know which direction to go at our meetings..

Outstanding Fisheries Culturist – Possum Kingdom Fish Hatchery Team (Dale Lyon, John Paret, Tom Wyatt, Ryan Rogers, and Charles McDougall)

The Possum Kingdom Fish Hatchery team was called upon to domesticate striped bass brood fish to be used in the event wild-caught brooders are not available. The Possum Kingdom Hatchery staff developed proper fish care protocols, adequate feeding schedules and effective temperature/photoperiod cycles resulting in useful female brood fish for egg/fry production, after being held in captivity for one year. These processes are complex and exacerbated by the fact that striped bass are not normally responsive to this type of captive environment. The first successful spawning of captive brood fish occurred in 2010, and over a four-year period, the staff at Possum Kingdom has produced approximately 1.8 million fry, and 170,000 fingerlings



Outstanding Fisheries Management – Brad Littrell



Brad has participated in the development of management plans for areas such as Cedar Ridge Reservoir near Abilene, Lower San Antonio River Basin Texas Instream Flow Program (TIFP), and Brackenridge Park Ecological Study in San Antonio. He coordinates with different agencies, including the Texas Commission on Environmental Quality (TCEQ), Texas Parks & Wildlife Department (TPWD), Texas Water Development Board (TWDB), Brazos River Authority (BRA), Sabine River Authority (SRA), San Antonio River Authority (SARA), and Lower Colorado River Authority (LCRA) to develop fisheries management strategies.

Outstanding Fisheries Education – Reynaldo Patiño



Reynaldo has worked in fisheries education and research in Texas for over 26 years. He is the Unit Leader of the USGS Texas Cooperative Fish & Wildlife Research Unit and Professor of Natural Resources Management and Biological Sciences at Texas Tech University. He has developed/revised and taught undergraduate and graduate courses in aquaculture and aquatic ecophysiology for 25 years at Texas Tech, and trained and mentored nearly 50 graduate and undergraduate students and postdoctoral and research associates. His teaching emphasizes understanding over memorization and several of his students have been recognized with regional, national or international awards and achievements.

Outstanding Fisheries Researcher – Warren Schlechte

Warren has worked as a research biologist/biometrician for Texas Parks and Wildlife Department for about 15 years and currently serves as the Research Coordinator for Inland Fisheries Management Special Projects. He assists with study design and data analysis for the majority of management, research and hatcheries biologists. He conducts research in fisheries management, collaborates on hatchery research, and teaches basic statistical procedures to hatchery staff. He has authored/co-authored over 30 peer-reviewed articles and written three book chapters. Three of his publications won the John F. Dequine Award for Best Paper, and two of his presentations made at 30 professional meetings were awarded Best Presentation.



Outstanding Fisheries Administration – Dave Terre



Dave, who is currently Texas Parks & Wildlife Department's Chief of Inland Fisheries Management and Research, has been a fisheries biologist for over 30 years. He coordinates Texas' inland fisheries management and research programs, guiding strategic planning, budgeting, communication, recommendations, and operations. He also coordinates department participation in the Toyota Texas Bass Classic which has yielded nearly \$2 million dollars in support of department outreach initiatives, national promotion of Texas fisheries, and new partnerships with public and private partners.

2014 Best Presentation and Poster Awards

Oral presentations and posters were judged by over 20 chapter member judges at the Lake Conroe meeting. The 2014 winners are listed below. Each winner will receive a plaque at the 2015 annual meeting.

Professional poster:

Bryan Legare (TPWD): “Quantifying fish abundance and oyster, *Crassostrea virginica*, habitat within Texas bays and estuaries by coupling acoustic technologies”

Professional presentation:

Joshua Perkin (Kansas State University)*, K.B. Gido, K.H. Costigan, M.D. Daniels, T.F. Turner, M.J. Osborne, A.R. Cooper, E.R. Johnson, and K.B. Mayes: “Fish diversity loss among fragmented and dewatered riverscapes in the central Great Plains.”

Student poster:

Jessica Pease (Texas Tech University)*, T. Grabowski, A. Pease, and P.T. Bean : “Potential hydrologic impacts of urbanization on Guadalupe Bass populations within the Colorado River basin.”

Student presentation:

Kole Kubicek (Texas A&M University)* and K. Conway: Developmental osteology of two species of economically important sciaenids, *Sciaenops ocellatus* and *Cynoscion nebulosus* (Teleostei: Sciaenidae)

2014 Student Scholarship award-winners



Endowment Chair Dave Terre (left) and Scholarship Committee Chair Mike Morgan (right), pose with 2014 scholarship recipients (left to right) Harry Tennyson Scholarship by the Sportsman’s Club of Fort Worth winners Lisa Havel and Maëlle Cornic and TCAFS Student Scholarship Award winners Landes Randall, Jessica East, Takona Tipton, and Crystal Purcell. Scholarships were each worth \$1,500.



Jessica East accepts the **2014 Clark Hubbs Student Research Award** from Kevin Mayes, Chair of the Clark Hubbs Committee. She earned degrees in Zoology and Conservation Biology, with a minor in Environmental Studies from the University of Wisconsin-Madison, and also received a Graduate Certificate in Fisheries Management from Oregon State University while working for the Oregon Department of Fish and Wildlife. She is currently working on a Master's degree at Texas Tech University.

2014 TCAFS Student Scholarship Award winner **Crystal Purcell** and Scholarship Committee Chair Mike Morgan. Crystal, a native of Pagosa Springs, Colorado, is a BSc. student at the University of Dallas majoring in Biology. She comes by a love of angling and hunting naturally; her father is a District Wildlife Manager for Colorado Parks and Wildlife.



Endowment Chair Dave Terre and **2014 Harry Tennyson Scholarship by the Sportsman's Club of Fort Worth** winners **Lisa Havel** (center) and **Maëlle Cornic** (right). Lisa is working on a Ph.D. at the University of Texas Marine Science Institute where she is studying the settlement process in larval red drum, primarily through behavioral experiments in the field and laboratory. Maëlle is working on her Ph.D. in Dr. Jay Rooker's lab at Texas A&M University at Galveston studying the early life ecology of blackfin, bluefin and yellowfin tuna larvae in the Gulf of Mexico.



2014 TCAFS Student Scholarship Award winner **Jessica East** and Scholarship Committee Chair Mike Morgan. Jessica is pursuing a Master's degree at Texas Tech University working on the food web ecology of the Pecos River.



2014 TCAFS Student Scholarship Award winner **Landes Randall** and Scholarship Committee Chair Mike Morgan. Landes is a Master's student in Wildlife and Fisheries Science at Texas A&M University under Dr. Jay Rooker. She is studying the distribution and abundance of larval bluntnose flyingfishes in the northern Gulf of Mexico and trying to understand the oceanographic conditions that affect their densities.

2014 TCAFS Student Scholarship Award winner **Takona Tipton** and Scholarship Committee Chair Mike Morgan. Takona is a senior at Texas A&M University studying Wildlife and Fisheries Sciences. She was chosen as the Outstanding Sophomore in the Department of Wildlife & Fisheries Sciences in 2013. After graduation in December, she plans to pursue a Master's degree.



Presentation Award winners from 2013 meeting in Montgomery



Ashley Oliver (Half and Associates) receives the award from Awards Committee Chair Dave Buzan for **Best Professional Presentation**: “Dallas Water Utilities (DWU) Western Dams Rehabilitation Project: Avoiding take of State-listed threatened mussels and game fish in the Elm Fork Trinity River Through Relocation Efforts.” from the 2013 meeting in Montgomery.

At the 2013 meeting, there was a tie for **Best Professional Poster**. Kevin Mayes (TPWD) (center) receives one of the awards from Chapter president Richard Ott (left) and Awards Committee Chair Dave Buzan (right) for “Combined Acoustic-Radio Tracking of Blue Sucker in the Lower Sabine River” by Mayes, K., B. Littrell, E. Oborny, J. Webster, and C. Blunt



Brenda Bowling (TPWD) was the other recipient of the tie for **Best Professional Poster** from the 2013 meeting in Montgomery. Her poster was entitled “Texas Marine Species Identification Website.” Mike Morgan received the award on her behalf.

A. N. (Niki) Ragan (TPWD) receives the award from Chapter president Richard Ott (left) and Awards Committee Chair Dave Buzan (right) for **Best Student Poster**:, "Saltmarsh pond classification and fish community dynamics at the Aransas National Wildlife Refuge" from the 2013 meeting in Montgomery.



Scholarship Committee Chair Mike Morgan and **2013 TCAFS Student Scholarship Award**- winner Ellie Carrano.



Endowment Committee Chair Dave Terre, with Greg Courington, Patsy B. Hollandsworth Family Foundation Board Member, and Jimmie and Kirk Green.



Texas Chapter AFS Business Meeting Minutes

February 15, 2014

Maritime Ballroom, Tanglewood Resort, Pottsboro, Texas

by Greg Southard, Secretary Treasurer

Call to Order: by TCAFS President Richard Ott at 11:35 am.

Determination of a quorum: Yes.

Approval of minutes: Rick asked for approval of the 2013 Business Meeting minutes by those in attendance. These minutes were e-mailed to active membership via the Listserv in the February 2013 TCAFS Newsletter (volume 39_1) and published on the TCAFS website. John Taylor gave motion to approve and seconded by Craig Bonds. Motion approved by quorum.

President's Report: (Richard Ott)

- Rick thanked President-Elect Bruce Hysmith for organizing the 2014 annual meeting as well as the Tanglewood Resort Staff who assisted and made the meeting a success.
- Rick thanked Secretary-Treasurer Greg Southard for his work in planning and registering for the 2014 annual meeting with the additional task of including both the Texas and Oklahoma AFS Chapters.
- Rick made an acknowledgement of the passing of former and current TCAFS members Gary Powell and Dennis Smith during 2013. Michele Nations (TCAFS Historian) gave a presentation for both of these colleagues recognizing their achievements in the TCAFS as well as efforts to improve Texas aquatic resources.
- Rick acknowledged the work of all committee members during the past year and gave recognition to special guests at the 2014 meeting, particularly Greg Courington of the Patsy B. Hollandsworth Family Foundation.

SDAFS Officer Update: (Craig Bonds)

- Craig gave a summary of the recent Southern Division AFS (SDAFS) meeting in Charleston, SC where approximately 520 people attended, a boost in attendance from recent years. The SDAFS raised about \$40K from the meeting.
- Craig reported that Doug Austin is the new SDAFS President and is very enthusiastic about the position. Doug's vision of the SDAFS is to be a "vehicle of engagement".
- Future SDAFS meetings will be held January 29-February 1, 2015 in Savannah, GA. The 2016 meeting will be held in Whelan, WV and the 2017 could be in Oklahoma.
- Craig wanted the TCAFS ExCom and membership to consider Texas hosting the SDAFS meetings in 2018 or 2019.
- Craig mentioned that the SDAFS website had been revamped after the ListServ email server crashed (which also affected the TCAFS ListServ). So, the SDAFS has been using eMailDoDo for their email group service. The TCAFS is currently using GoogleGroup but may want to consider eMailDoDo.
- Craig reminded TCAFS ExCom officers to fill out and send the Change of Officer Form to Unit Coordinator Gail Goldberg at the AFS parent society HQ.

Secretary/Treasurer's Report: (Greg Southard)

- Greg reported the Chapter finances for 2013 (see Appendix A). The Chapter's cash account balance as of 1/1/2013 was \$31,178.96. The Chapter's income for the year was \$47,663.91. Chapter expenses were \$30,622.83 for 2013, leaving a total of \$48,220.04. From that amount, \$30,453.99 was transferred to the TCAFS Student Endowment Account, leaving \$17,766.05 remaining at the end of the calendar year (12/31/2013).

- Greg summarized the preliminary registration and budget information for the 2014 annual meeting. After the expenses and income from the meeting was finalized, the revised values are below:
 - Total registrants – 257
 - TCAFS (170) – 112 regular members and 58 students
 - OKCAFS (73) – 61 regular members and 12 students
 - Other (14) – plenary speaker, sponsors and guests
 - Meeting Income – \$28,894.20
 - Meeting registrations – \$19,376.97
 - Sponsorships and Exhibits – \$9,517.23
 - Meeting Expenses – \$27,585.61
 - Security Deposit (Tanglewood Resort) – \$1000.00
 - Meeting Programs – \$636.50
 - Meeting Supplies – \$468.71
 - Plenary Speaker costs – \$160.00
 - Master Bill (Tanglewood Resort) – \$25,320.40
 - TCAFS Raffle, Silent Auction and Live Auction
 - Expenses (for product and services auctioned) – \$1,549.15
 - Income – \$7,493.55
 - Raffle and Auction Profit – \$5,944.40
- Additional information not reported at Business Meeting (*as of March 2014*):
 - Current TCAFS Membership stands at a total of 206 Members consisting of 136 Professionals, 65 Students, and 5 Other (Retired and Life Members).
 - AFS Unit Coordinator Gail Goldberg was sent TCAFS Change of Officer Contact Form for the 2014 TCAFS ExCom members.
 - Checks were sent to four TCAFS Student Scholarship Winners (B.S. and M.S. students) as well as the Clark Hubbs Student Research Award Winner.

Committee Reports

Awards – (Dave Buzan)

- Dave B. will be calculating the scores for the 2014 annual meeting presentation and poster awards over the next couple of weeks.
- Dave B. thanked all those who served as judges for this year's meeting.
- Dave B. mentioned that some judges made comments regarding the readability of the electronic forms being challenging so there may be changes to the form in the future. John Taylor replied that he believed Fred Jansen had created the form and to contact him for possible revisions.

Continuing Ed – (Dan Bennett)

- Dan B. thanked Brian VanZee and Jim Matthews for their CE talks on zebra mussel issues at the 2014 annual meeting. 85 registrants attended the seminars.

Editorial – (Dan Daugherty and Allison Pease)

- Dan D. reported that a total of 47 oral presentation abstracts were submitted for the 2014 meeting with 46 being accommodated during the meeting's technical sessions.
- Sixteen of the oral presentations were by students.
- TCAFS members made up 66% of the oral presentations.
- Dan D. thanked moderators Dan Bennett (TCAFS), Kurt Kuklinski (OKCAFS), and Jason Schooley (OKCAFS).

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- Allison mentioned that the 2012 and 2013 annual meeting proceedings had been posted on the TCAFS website and hoped to get the 2014 proceedings out soon.

Endowments – (Dave Terre)

- Work summary:
 - The Endowments committee continued to nurture relationships with our major contributors, including the Patsy B. Hollandsworth Family Foundation and the Sportsmen's Club of Fort Worth.
 - Last year we had the pleasure of having Larry and Greg Courington, PBHFF Board Members, attend our annual banquet. This year, Greg attended by himself.
 - In February 2013, we transferred our accounts from Merrill Lynch to Edward Jones. Everything has progressed smoothly with Edward Jones.
 - Last year, we finalized an MOU with the San Antonio River Authority to provide an exclusive seasonal, summertime job opportunity for a BS-Level student member beginning in the summer 2013. Jacob Sengele, a TCAFS undergraduate student member (UTSA) got the job. This new program was named after Mike Gonzales, a former TCAFS member. Mike passed away in 2012 and was a friend to many of us. Mike also supported the first Hutton student in Texas.
 - Set up and administered memorial funds for TCAFS members Gary Powell and Dennis Smith who passed away during 2013. Proceeds were deposited in the endowment account and we wrote thank you letters to all contributors.
- Fiscal notes:
 - The TCAFS started the year with a balance of \$156,084 (12/31/2012) in our Scholarship Endowment Account.
 - Donations received in 2013 totaled \$22,305
 - \$17,500 – Patsy B. Hollandsworth Family Foundation (September 2013)
 - \$3,000 – Sportsmen's Club of Fort Worth – Pass-through grant (January 2013)
 - \$1,710 – Gary Powell Memorial
 - \$95 – Dennis Smith Memorial
 - During 2013, the TCAFS delivered seven scholarships to deserving fisheries students (total = 6 at \$1,500 each + 1 at \$500 = \$9,500).
 - The total amount of cash we invested in our endowment during 2013 was \$31,149. The realized gain (earnings) on our investments totaled \$24,762 (13%). Total Fees were \$2,332.
 - Our ending balance for 2013 was \$211,995 (12/31/2013).
- Other topics:
 - Dave T. thanked all contributors to the student scholarship program (The Patsy B. Hollandsworth Family Foundation; the Sportsmen's Club of Fort Worth; Randy Rushin; and the TCAFS membership for their generous donations at the raffle/auction).
 - The Endowments Committee will continue to nurture the relationships we have with current Student Scholarship Program contributors and keep lines of communication open.
 - Dave T. thanked Kevin Mayes for helping on the Endowments Committee this year and for this leadership on the Clark Hubbs Research Grant Award.
 - Dave T. recognized Jimmie and Kirk Green for their continued help with TCAFS Endowment Committee activities and for their communications with the Patsy B. Hollandsworth Family Foundation.
 - Dave T. also recognized Mike Morgan and the entire Student Scholarship Selection Committee, for all their outstanding work over the past year.

History – (Michele Nations)

- Michele mentioned the Facebook page for the TCAFS and posted approximately 100 photos from the meeting. Michele made a request of members to let her know who are in the pictures to link for the history aspect.
 - Michele wants to post any events, programs, etc. to spread the word about what the Chapter is doing.
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- Michele started a Twitter account for the Chapter – @TCAFS
 - Michele has been entering metadata for the photos and newsletters that she has submitted to UNT Portal to Texas History (into the Portal site and in her photo and membership Access databases).
 - Michele continued collecting professional and biographical info from TCAFS members and will be sending a request for a curriculum vitae (CV) from members to update her library.
 - Michele worked with families of Gary Powell and Dennis Smith to prepare for the poster and presentations.
 - Michele wanted to thank the following people for helping her prepare and set up the Gary Powell memorial poster and the Memories PowerPoint presentation in the hall and meeting. It definitely isn't a one person job!
 - Dan Daugherty, Debbie Wade, Ray Matthews, Rick Ott, Jake Norman, Greg Southard, and Danny Lewis.

Internet – (John Taylor and Danny Lewis)

- Podcasts of the presentations from this year's meeting will be up in a couple of weeks.
- John T. and Danny will be getting with Gloria Schoenholtz in early March to get the TCAFS website converted to WordPress and mentioned perhaps having a demonstration next year of the platform.
- Danny mentioned adding Michele Nations to the Internet Committee considering her online work with the Facebook page and Twitter.

Issues – (Niki Ragan)

- No report.

Membership – (Debbie Wade)

- Did not attend, no report.
- Recommendation made by Membership ad hoc committee (Deborah Wade, Robert Mauk, Kevin Storey) to include Chapter membership with annual meeting registration cost was suspended because of joint meeting with Oklahoma. This move was made to improve Chapter's ability to maintain a current list of membership. Often, there is a considerable delay in notification of new members and renewals from AFS. This will be instituted for the 2015 meeting and the option to sign up or renew Chapter dues will be removed from the parent society AFS system.

Newsletter Editor – (Kevin Storey)

- Kevin reported that there have been some issues with losing the listserv but the new email group system (Google Groups) seems to be working satisfactorily. The company that formerly serviced the listserv for AFS and a selection of chapters went out of business.
- Kevin mentioned getting the most recent 2014 member list from the TCAFS Secretary-Treasurer for future mailings and notices.
- Two TCAFS newsletters were published in 2013. Newsletters in the past have followed ExCom meetings but since there were few of them in 2013 the newsletter publication suffered (50% of the norm).
- Kevin will set up a deadline for ExCom and Committee reports in March for the next newsletter.

Nominating – (John Clayton)

- John C. thanked both 2014 President-elect candidates, Michael Baird and Kevin Storey, for their willingness to serve the TCAFS by running for a leadership position.
 - As always it was a close election. There were a total of 71 votes cast, or approximately 35% of our membership, (54 online votes and 17 paper ballots).
 - The newly elected TCAFS President-elect for 2014 is Kevin Storey.
- John C. reported that only 71 people voted (54 online and 17 by paper vote at meeting), indicating a lack of activity by active TCAFS membership.

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- It was suggested by members of the quorum that the TCAFS offer some form of incentive next year during the annual meeting, such as an extra drink ticket, to get members to vote for these important elections.

Pond Management – (John Tibbs and Greg Binion)

- No report.
- John T. notified the ExCom that he will be stepping down as chairman of the Pond Management committee and that Greg Binion (TPWD) will be taking his place for 2014.

Publicity/Exhibits – (Jenny Oakley and Preston Bean)

- Sponsorships and exhibit fees for the 2014 meeting brought in a total of \$9,517.23, money used with registration fees to pay for meeting costs.
- A total of \$6,554.89 worth of products and services were donated to the Chapter for the raffle and auctions (silent and live). Total expenses were \$1,549.15 used to obtain items and products for the raffle and auctions.
- During the 2014 annual meeting, a total of \$7,495.55 was generated from:
 - Silent Auction – \$805.77
 - Live Auction – \$3,199.78
 - Raffle – \$3,490.00
- Profit obtained from the raffle and auctions after expenses were taken out yielded a total of \$5,946.40 for the Chapter.

Scholarships – (Mike Morgan)

- Mike M. could not attend the meeting but did want to thank members of the scholarship committee who assisted with selection of this year's winners.
- There were a total of 23 scholarship applicants, consisting of 3 undergraduates, 15 Master's degree students, and 5 Ph.D candidates. Winners for 2014 included:
 - B.S. – Crystal Purcell (University of Dallas) and Takona Tipton (Texas A&M University)
 - M.S. – Jessica East (Texas Tech University) and Landes Randall (Texas A&M University)
 - Ph.D – Maelle Cornic (Texas A&M University – Galveston) and Lisa Havel (University of Texas Marine Science Institute)
- The TCAFS funded the four \$1,500.00 scholarships for the B.S. and M.S. winners whereas the Sportsman's Club of Fort Worth funded the two \$1,500.00 Harry Tennison Scholarships for the Ph.D students.
- 2014 was also a record year for applicants for the Clark Hubbs Student Research Award, which was won by Jessica East (Texas Tech University).

Student Outreach – (Mike Homer)

- Mike H. reported there were a total of 31 mentors and 33 students who participated in the Student-Mentor Lunch during the 2014 annual meeting. Mike thanked Rick Ott and Greg Southard for their assistance.
- Mike H. asked for help from the chapter in getting more student involvement. Currently, the only recognized student subunit of the TCAFS is the Texas A&M chapter (TAMU-AFS).

Student Subunit Chapter Reports – (TAMU-AFS)

- Haily Woelfel (TAMU-AFS President) could not attend the meeting.
- TAMU-AFS advisor Dr. Fran Gelwick mentioned the student chapter selling T-shirts during the 2014 annual meeting as well as a planned fundraiser (fish fry) to be held the following weekend. Both should increase funds for the sub-chapter, which use the money to pay some costs for TAMU-AFS members to attend the TCAFS annual meetings.

Old Business (Richard Ott):

- Rick mentioned the one-year hiatus on the approved plan to include annual chapter dues as part of the annual meeting registration fee. The change will be in effect for the 2015 Meeting.
- The revision of procedures for selecting the award recipients was discussed in detail. Dave Buzan was tasked with revising current procedures and gave a synopsis. He stated that the Outstanding Student Presentation will be eligible for a \$500 travel award if they make the same presentation at the SDAFS or AFS meeting. The award would be used to cover registration, food, accommodations, and other travel costs up to a total of \$500. Dave Buzan said the new verbiage would need to be added to the TCAFS procedures manual (#5 and #6).
 - Bruce Highsmith suggested adding SEAFWA to the list of meetings that would be acceptable and George Guillen added that any division AFS meeting should qualify. Craig Bonds then cleared up the intent of the wording to include meetings of “the Society or any of its divisions”.
 - Rick asked for vote. George Guillen made a motion to add verbiage to specify that the student present at the AFS Parent Society or division meeting and Dave Terre seconded the motion. A vote taken and the motion was passed by the meeting quorum.
- Dave Buzan then made a motion to modify the procedures manual in order to add a Student Award to the list of awards with the following criteria:
 1. Outstanding academic achievements as a student in Texas.
 2. Conduct a student project/graduate research advancing the science of the Texas fisheries.
 3. Research supports organizations and/or groups working with Texas fisheries.
 - Dan Daugherty made a motion to add that student is a TCAFS member.
 - Gene Wilde made motion to pass the procedures modifications, which was seconded by George Guillen. A vote was taken and the motion was passed by the meeting quorum.

Installation of Bruce Hysmith as 2014 TCAFS President (Richard Ott)

- Rick presented the official TCAFS skag as a symbol of the passing of chapter leadership to Bruce Hysmith.
- Bruce presented Rick with an AFS President’s Plaque, thanked him for the great work he had done as President, and took over the position.
- Bruce reported that he would contact current TCAFS Committee members during March to see if they will serve an additional term.

New Business (Bruce Hysmith):

- Bruce asked the quorum if there was any new business to be discussed. No new business items were brought about by attending members.

Adjourn: George Gillian made the motion to adjourn which was seconded by Kevin Storey. The meeting was adjourned at 12:58 pm.

Podcasts

In case you weren’t able to make it to Pottsboro, you can still catch up on presentations from the annual meeting. Podcasts of each talk including the presentations and accompanying audio have been posted on the Chapter website by Danny Lewis at:

<http://www.sdafs.org/tcafs/meetings/meethome.htm>

The repository of podcasts extends back to 2011.



Appendix A

Texas Chapter of the American Fisheries Society 2014 Financial Statement

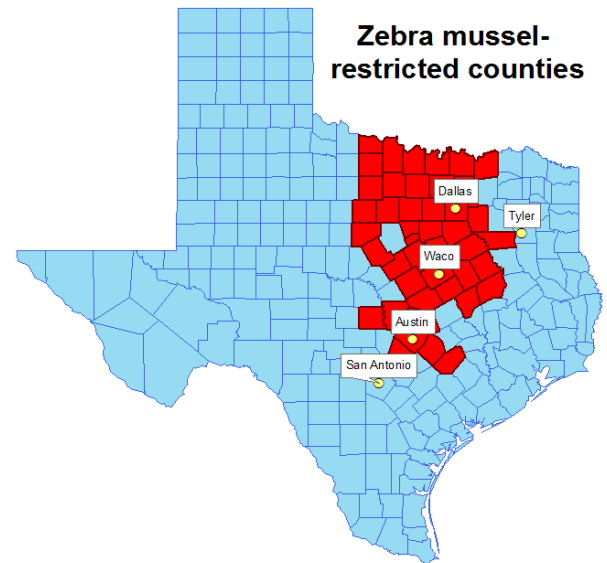
Starting Balance		\$31,178.96
<hr/>		
Income		
2013 Interest	\$1.19	
2013 Meeting Income	\$26,366.82	
2014 Meeting Income	\$1,121.00	
TCAFS Collected Dues/AFS Rebate	\$1,614.90	
Gary Powell Memorial	\$1,060.00	
Patsy B. Hollandsworth Foundation	\$17,500.00	
	Total Income	\$47,663.91
	Balance	\$78,842.87
<hr/>		
Expenses		
Awards		
Scholarships	\$6,500.00	
Plaques	\$600.00	
Student Travel Award	\$500.00	
	Total Awards	\$7,600.00
Annual Meetings		
La Torretta (2013)	\$16,789.69	
La Torretta (2013) – AV costs	\$1,218.08	
Supplies and Printing	\$397.69	
Raffle Items	\$1,635.27	
Tanglewood Resort (2014)	\$1000.00	
	Total Annual Meeting	\$21,040.73
Other		
Chapter Insurance	\$150.00	
Meeting Registration Refunds	\$270.00	
CPA for Taxes	\$1,300.00	
eBay Seller Fees	\$250.85	
Bank and Check Fees	\$11.25	
	Total Other	\$1,982.10
	Total Expenses	\$30,622.83
	Income – Expenses	\$48,220.04
<hr/>		
Money Transferred		
TCAFS Endowment Fund		\$30,453.99
	Balance	\$17,766.05
<hr/>		



Flotsam & Jetsam – fish stories from around the world

➤ Red state, blue state - indeed

The State of Texas is divided! At first glance this map might look like a political split but it's a biological one. The Texas Parks and Wildlife Department has expanded the list of counties with special regulations requiring boaters leaving or approaching public water bodies to drain all water from their vessels. This requirement is designed to combat the spread of the invasive mollusk, the zebra mussel and it applies to all sizes of boats, whether powered or not, personal watercraft, sailboats, or any other vessel used to travel on public waters. Larvae of the zebra mussel, called veligers, are microscopic and can be spread from infested lakes through discharge of contaminated water into uninfested lakes. Effective March 23, 2014, the following counties in North and Central Texas are all included; Archer, Bastrop, Bell, Bosque, Burnet, Clay, Comal, Collin, Comanche, Cooke, Coryell, Dallas, Denton, Eastland, Ellis, Erath, Falls, Fannin, Fayette, Freestone, Grayson, Hamilton, Hays, Henderson (west of SH 19), Hill, Hood, Jack, Johnson, Kaufman, Leon, Limestone, Llano, McLennan, Montague, Navarro, Palo Pinto, Parker, Robertson, Rockwall, Somervell, Stephens, Tarrant, Travis, Wichita, Wise, Williamson, and Young counties.



Zebra mussels are native to Eurasia and were introduced to North America through the discharge of contaminated bilge water from ships into the Great Lakes. They first became established in Texas in Lake Texoma in 2009. For additional information about the regulation; <http://www.tpwd.state.tx.us/newsmedia/releases/?req=20140320a>

➤ Cutting-edge science used to age white sharks

Researchers from the Woods Hole Oceanographic Institution (WHOI) succeeded in validating ages of adult white sharks (*Carcharodon carcharias*) using radiocarbon dating of vertebrae of four females and four males from the northwestern Atlantic Ocean. The results of this study have dramatically extended the maximum age and longevity of white sharks. The largest female (fork length 526 cm) was estimated to be 40 years old and the largest male (fork length 493 cm) was 73. Traditionally sharks are aged by counting growth bands sequentially deposited in their vertebrae. The underlying assumption has always been that these bands are deposited annually. Previous studies identified the oldest individuals from the southwestern Pacific Ocean at 22 years old and the western Indian Ocean at 23 years old.



Researchers relied on the environmental impact of radiocarbon produced by thermonuclear device testing conducted during the 1950s and 1960s. As the radiocarbon was incorporated into tissues of marine organisms living during that time period, the rise in radiocarbon created a “time stamp” which was used to help age the animals. All of the samples were taken from white sharks caught in the northwestern Atlantic Ocean from 1967 to 2010. The vertebrae were archived at NOAA’s Northeast Fisheries Science Center (NEFSC) lab in Narragansett, RI and radiocarbon analysis was conducted by The National Ocean Sciences Accelerator Mass Spectrometry Facility at WHOI.

Since white sharks grow more slowly and mature later, they are likely even more sensitive to fishing, environmental and other pressures. Lead author Li Ling Hamady, MIT/WHOI Joint Program student, said

"Understanding longevity of the species, growth rate, age at sexual maturity, and differences in growth between males and females are especially important for sustainable management and conservation efforts."

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0084006>

<http://www.sciencedaily.com/releases/2014/01/140109004145.htm>

➤ **State record Guadalupe bass gets a new home**

Dr. Bryan Townsend of Austin was fishing in the Colorado River below Austin with fishing guide Shea McClanahan on February 1, 2014 when he caught a 3.71 pound Guadalupe bass. The 17-inch fish which has been genetically verified and is the new Texas state record. Dr. Townsend donated the fish to the Texas Parks and Wildlife Department and it is currently on display in the dive tank at the Texas Freshwater Fisheries Center in Athens. The fish qualifies as a water body record as well as for water body and state fly fishing records. It may be eligible for International Game Fish Association (IGFA) world records as well.



<http://www.tpwd.state.tx.us/newsmedia/releases/?req=20140319d&nrttype=all&nrspace=2014&nsearch>

➤ **Protecting Galveston's sand dunes with Sargassum weed**

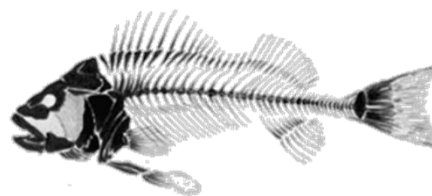


Over time, natural sand dunes along Galveston's shoreline have eroded as a result of storms which further exposes the coastline to damage from future events. The Galveston Park Board of Trustees has agreed to invest about \$60,000 and seek an additional \$80,000 through the Coastal Erosion and Planning Response Act, of the Texas General Land Office, into an innovative project designed to strengthen dunes from the erosive effects of storms. The plan involves harvesting Sargassum weed, a brown alga commonly known as gulfweed, baling it and incorporating the compressed material into sand dunes to add protective volume and to encourage the growth of natural dune vegetation species such as *Panicum amarum*. The project will be managed by the Texas A&M University at Galveston and will begin on West End beaches. The impetus

for this project came from an investigation by Amy M. Williams in 2007 in her Master's thesis "Analysis of benefits of Sargassum on Galveston Island and indications for beach management policy"

<http://repository.tamu.edu/bitstream/handle/1969.1/ETD-TAMU-1510/WILLIAMS-THESIS.pdf?sequence=1>

Sargassum weed collects near the high tide line and accumulates along Gulf Coast beaches each year primarily from May to August. This seaweed creates access problems for beach-goers, and can be unsightly and smelly. It is an expense for municipalities that are expected to rake it up and dispose of it. Finding a way to dispose of Sargassum which could end up protecting Galveston's sand dunes would be a win-win for Texas' beaches.



Software and services for the busy fisheries professional!

➤ OneNote expands its reach



OneNote, Microsoft's digital notebook, used to be only available as part of the Microsoft Office Suite. OneNote has upped its game and is now available as a free download for Windows, Windows Phone, Mac, iPad, iPhone, Android and as a web-based client. In order to utilize OneNote's capabilities, you will need a Microsoft account.

http://www.onenote.com/?CR_CC=200061904&WT.srch=1&WT.mc_id=PS_Bing_OneNote_onenote_Text

OneNote also has a web clipper that lets you select articles, blog posts, or recipes directly to OneNote with just one click. Go to <https://www.onenote.com/Clipper/OneNote#> and drag the "Clip to OneNote" button to your browser's Bookmarks bar. It works in Chrome, Firefox, Internet Explorer, and Safari. This tool saves entire pages. If you wish more granular control, the "Send to OneNote" tool that's available with the installation of Microsoft Office lets you extract just the information you wish to save.

You can also send email to your OneNote account. Forward those important emails for future reference. Go to <https://www.onenote.com/emailsettings?fromAR=1> and be sure to set the default email address where you'll send emails to me@onenote.com

Apps are available that let you use your smartphone's camera like a portable scanner to save notes, business cards, and important documents and share them across all of your devices in OneNote. Genius Scan is available for iOS and Android devices <http://www.thegrizzlylabs.com/onenote/>. The Office Lens app performs the same function on Windows Phones

<http://www.windowsphone.com/en-us/store/app/office-lens/5681f21c-f257-4d62-83f5-5341788a5077>

You can use the OneNote Channel on IFTTT at <https://ifttt.com/onenote> to create links from a variety of channels such as Facebook, LinkedIn, Dropbox, and Instagram. Routines called Recipes are used to combine Triggers, Actions and Ingredients to accomplish tasks. With the OneNote Channel you can perform tasks like sending your favorite Tweets to OneNote, send photos you liked on Instagram, or send your iPhone or iPad screenshots to OneNote.

➤ Office for iPad

On March 27, 2014 Microsoft made Word, Excel and PowerPoint apps specifically designed for the iPad's touch environment available for download from iTunes. You can use Office for iPad to at least to view or present Microsoft's documents. If you want the full version with editing capabilities you'll need an Office 365 subscription. The Office 365 Home Premium package includes Access, Excel, OneDrive, OneNote, Outlook, PowerPoint, Publisher and Word. It requires an annual subscription of \$99.99 and allows installation on 5 PCs or Macs plus 5 iPads or Windows tablets. If you don't need that many copies and you are an eligible academic student, faculty, or staff member, Office 365 University may be available to you. It comes with the same applications as the Home Premium package for 2 PCs or Macs plus 2 iPads or Windows tablets. This suite requires verification of eligibility prior to purchase and is subject to limitations. The 4-year subscription will set you back \$79.99.



http://www.microsoftstore.com/store/msusa/en_US/cat/Office/categoryID.62684700?WT.mc_id=PromoEmail_OfficeMiramar_OnlineBM_3-27-14_Hero_Office365

➤ **Need inexpensive cloud storage?**

Google recently dropped the prices on their storage plans. If you need more than the 15 GB of drive storage provided in their free plan, you can get 100 GB for \$1.99/ month, down from \$4.99. A step up to 1 TB will set you back \$9.99, a steal from the original price of \$49.99. If you've got big data needs you might opt for a 10 TB, 20 TB or 30 TB plan. Log into Google to view the available plans at: <https://www.google.com/settings/storage>

A tribute to Gary L. Powell

A poster presented at the 2014 annual meeting by Michele Nations

Education

A.B.D. Vertebrate Zoology (Ichthyology), 1969-1975, University of Texas, Austin, Texas.

A. B. Zoology (Chemistry), 1965-1969, Indiana University, Bloomington, Indiana.

Professional History

President, Aquatic Science Associates, Environmental Consultants, 2003-2013.

Division Director, Texas Water Development Board, 1985-2003.

Program Director, Texas Water Development Board, 1975-1985.

Research Scientist III, National Institute of Health, 1973-1975.

Graduate Teaching Assistant and Laboratory Instructor in genetics, physiology, comparative anatomy, ecology and environmental science; University of Texas at Austin.

Affiliations

American Fisheries Society, Texas Chapter

American Institute of Fisher Research Biologist (Fellow)

American Society of Ichthyologists and Herpetologists

Ecological Society of America

Estuarine and Coastal Sciences Association (Europe)

Estuarine Research Federation

Gulf Estuarine Research Society

North American Lake Management Society

Selected Projects

- Chairperson, Scientific Review Panels, Southwest Florida Water Management District, Brooksville, Florida, 2005-2008.
- Member, Peer Review Panel, Peace River/Manasota Regional Water Supply Authority, Sarasota, Florida, 1998-2008. (Hydrological-Biological Monitoring Plan)
- Environmental Consultant for Canyon Regional Water Authority, New Braunfels, Texas, 2004-2006. (Water Rights Permit, Application for Amendment; review of expert testimony)
- Environmental Consultant for Lower Colorado River Authority, Austin, Texas, 2004-2005. (Matagorda Bay Health Study)
- Program Director, Texas Instream Flow Program, Texas Water Development Board, Austin, Texas, 1987-2003.
- Program Director, Texas Bays & Estuaries Program, Texas Water Development Board, Austin, Texas, 1975-2003.

GARY POWELL

A Successful Man

1947—2013

In Memory of Gary Powell

Donations may be made in honor of Gary Powell by writing a check to the TCAFS Student Scholarship Endowment. In the memo section, write "In memory of Gary Powell." These donations will be credited to the Clark Hubbs Student Scholarship Award.

Gift amounts are tax-deductible to the Texas Chapter of the American Fisheries Society, a 501c3 tax exempt organization.

Checks can be sent to:
TCAFS Endowments Committee
6505 Freesia Ct.
Austin, TX 78739

Today is tomorrow's yesterday!

Dennis Gene Smith

(November 15, 1965 - December 12, 2013)

Dennis Gene Smith, 48, passed away unexpectedly on Thursday, December 12, 2013, at his residence in Wichita Falls, Texas. Dennis was a member of TCAFS and had served on the Executive Committee as the chairman of the Membership Committee for the Chapter for many years.

He graduated from Windthorst High School in 1984 and from Midwestern State University in Wichita Falls in 1988 with a bachelor's degree in Wildlife Management. He had completed his studies for his Master's Degree in Aquatic Biology from Southwest Texas State University in San Marcos but never had the time to complete his thesis because he went to work full-time for the Texas Parks and Wildlife Department in 1993. He was the hatchery manager at the Dundee State Fish Hatchery near Electra, Texas at the time of his death.



Dundee State Fish Hatchery Staff: L-R, Cody Talley, Bobby Spencer, Daniel Field, Drew Begley, Jesse Ibarra, Don Reinisch, Greg Polk, Ryan Rogers, Dennis Smith, and Tom Wyatt.

Dennis was a member of the award-winning TPWD Golden Algae Task Force: Back row, L-R, Jason Vajnar, Tom Dorzab, and Jake Isaac. Front row, L-R, John Paret, Gerald Kurten, Aaron Barkoh, and Dennis Smith.



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, www.sdafs.org/tcafs/index.htm or by contacting Deborah Wade, Texas Freshwater Fisheries Center, 5550 FM 2495, Athens, TX 75752, (903) 670-2234, Deborah.Wade@tpwd.state.tx.us

If your e-mail address has changed, please contact us with an update so you can continue to receive the chapter newsletter.

Members are encouraged to make submissions to the Newsletter Editor by mail or e-mail to one of the addresses listed below.

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PRESIDENT *Bruce Hysmith*
PRESIDENT-ELECT..... *Kevin Storey*
PAST-PRESIDENT..... *Richard Ott*
SECRETARY-TREASURER..... *Greg Southard*

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ENDOWMENTS..... *Dave Terre*
HISTORY..... *Michele Nations*
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NOMINATING..... *John Clayton*
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PUBLICITY / EXHIBITS..... *Preston Bean /Jenny Oakley*
SCHOLARSHIP..... *Mike Morgan*
STUDENT OUTREACH..... *Michael Homer*

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