



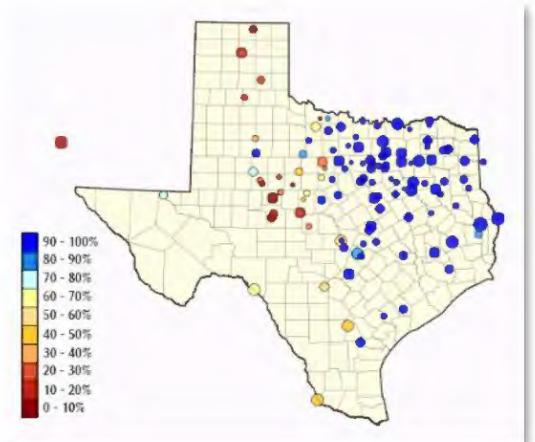
President's message

by Kevin Storey

What a difference a year makes! This time last year, Texas was gripped in an extensive drought and the drought map was colored with shades of red, orange, and yellow that it gave the appearance the state was on fire. At that time, according to the Texas Water Development Board (TWDB), reservoir storage capacity of the 119 reservoirs they monitor was 25,296,619 acre-ft and based on their combined Conservation Storage and Conservation Capacities they were 66.5% full. Since I moved to Texas I have frequently heard the statement about Texas weather, "If you don't like the weather, just wait". The National Oceanic and Atmospheric Administration concluded in March 2015 that El Niño had finally arrived but "forecasters predict it will stay weak, and have little influence on weather and climate". I don't guess most of us were paying attention. And now for the rest of the story....

This spring the rain started and it seemed like it would never stop, an event that could draw parallels with the biblical account in Genesis 7:24 where "The waters flooded the earth for a hundred and fifty days". The National Weather Service in Fort Worth has estimated in the month of May alone, our state received 35 trillion gallons (that's 35 with 12 zeroes) of rain. This unbelievable quantity of rain would be enough to cover our entire state with 8 inches of water. Alternatively, it would be enough to fill 200 of California's largest surface reservoirs to 3 times their capacity or it could supply the entire world population with water for 10,000 days if everyone drank eight 8-ounce glasses a day!

This month the reservoirs that TWDB monitors are 83.6% full and reservoir storage is up to 38,902,895 acre-ft. We fisheries professionals are relieved our freshwater systems are recharged and our fish have more room to swim in and our anglers don't have to contend with access issues. Unfortunately, the deluge of water has come at an enormous cost to many of our citizens. Extensive flooding in areas has resulted in losses of lives, possessions, property, livestock, wildlife and livelihoods. In addition some of these weather systems spawned tornadoes which created additional damage and further losses. This realization will temper the relief we feel at having our reservoirs and rivers back to healthier levels. "The water receded steadily from the earth. At the end of the hundred and fifty days the water had gone down..." The Climate Prediction Center/ National Centers for Environmental Prediction/ National



Weather Service and the International Research Institute for Climate and Society have predicted there is approximately a 90% chance that El Niño will continue through summer of 2015 and a greater than 80% chance it will last through 2015. That could mean we've got more rain on tap! On a personal note, this week was the first time I have been able to mow my entire lawn for about a month. Mark my words, it won't be too long before the complaints about how hot and dry it's getting. Just saying...

Spring is just about over and our collective attentions will turn to spending some more time with our families away from the daily grind. If you are a teacher or the spouse of a teacher, or a student or the parent of a student your schedule is going to change. There are bound to be family reunions, road trips, excursions to the coast or to the lake, picnics, and sports. Pry the kids away from their smartphones and take them outside to show them what you do in case they don't know. You never know you might recruit another generation of fisheries workers, another potential Chapter member. Whenever you're swimming, sailing, waterskiing, fishing or just floating in a tube, give thanks for the water that makes it all possible. It's the one essential ingredient that binds us fisheries professionals together. Take time to refresh and recharge, and when you come back I'd ask you to consider how you can help serve our Chapter by contributing to the upcoming annual meeting.

President-elect's Message

by Dave Buzan

40th Anniversary TCAFS Meeting in 2016

- Set your calendars for our 2016 annual meeting which will celebrate the 40th anniversary of our chapter.
- Reserve your calendars for the tentative meeting date: January 21-23, 2016,
- Set your GPS for the unique YO Ranch Hotel in scenic Kerrville (contract pending),
- Bring your best science. The agenda will accommodate at least 9 more technical presentations and we'll have a beautiful foyer for an almost unlimited number of posters.
- Help grow our scholarship fund by at least \$9,000.
 - Contact Jake Norman and/or Alice Best and offer to help obtain or donate items for auction, raffle, and door prizes.
 - Bring your checkbook, credit card and a strong willingness to add the chapter's scholarship fund to your list of favorite charities.
- Personally invite friends, co-workers, former professors and classmates to participate in your meeting. Help our chapter capture all relevant and current science, policy, and joy associated with Texas fisheries from the Panhandle to the Valley, from the coast to waters in the arid west Texas waters.
- If you have suggestions to ensure the 2016 meeting and our chapter fulfills its potential (or just have questions about the meeting), please contact me at david.buzan@freese.com or 512.617.3164.



Texas Chapter AFS Business Meeting Minutes

April 9, 2015

Texas Parks & Wildlife Inland Fisheries Regional Office, Waco, TX

by Michael Homer, Secretary Treasurer

Call to Order: by President Kevin Storey at 10:00AM.

Members Present: Kevin Storey (President), Dave Buzan (President-Elect), Michael Homer Jr. (Secretary/Treasurer), Michele Nations (Historian/Awards Committee), Dave Terre (Endowment Chairman), Lynn Wright (Continuing Education Chairman), Danny Lewis (Internet Committee), Dan Bennett (Nominating Committee Chairman), Greg Binion (Pond Management Chairman), Joe Beach (Student Outreach), Haley Woelfel (TX A&M University Subunit President)

Approval of Previous Business Meeting Minutes: Kevin asked about approval of the January Annual Meeting Minutes. Danny Lewis gave a motion to accept the Minutes, which was seconded by Dan Bennett. Kevin asked for a vote to which all Members present voted for with none against. Motion was passed and Minutes were approved.

President's Report (Kevin Storey): Kevin reported that he was pleased overall with the outcome of the 2015 annual meeting held in Tyler, TX during January. However, there were concerns that more funds could have been raised from raffles, silent auction, and contributions. Kevin mentioned that mandatory TCAFS membership fees during the registration for the annual meeting worked well instead of collecting the money from the parent society.

Kevin discussed that Greg Southard had completed revisions to the TCAFS procedures manual (dated August 12, 2014) regarding the award for Outstanding Fisheries Worker of the Year and that the changes need to be incorporated into the procedures manual. Lastly, Kevin elaborated on the successful efforts of the Ad Hoc committee that worked to modify the annual meeting's plenary session to accommodate an additional (approximately nine) technical presentations.

President-Elect's Report (Dave Buzan): Dave stated that he had started the search in February for a venue in central Texas to hold the 2016 annual meeting. He mentioned visiting multiple hotels such as Embassy Suites in San Marcos (no longer available) and Crowne Plaza. Dave feels Crowne Plaza in Austin is promising, but he is planning to look at other options in Austin. Dave expressed concern with the availability of venues with rates at or below the State's allowable lodging rate and requested recommendations of other venue options. Danny Lewis recommended Holiday Inn – Lady Bird Lake in Austin after past positive experience working with them for hosting an annual meeting for the Organization of Fisheries and Wildlife Information Managers. Greg Binion recommended the Omni Hotel, but Dave B. expressed concerns with the aesthetics of the location and the traffic. Dave Terre recommended Lost Pines Resort near Bastrop, TX, which Dave B. stated he plans to visit.

Dave Buzan has been working on the Keynote Speaker's address, which he plans to focus on advances in fish biology, fish ecology, and fisheries management during the past 40 years. Specifically, Dave would like the address to focus on the contributions of all levels of staff for various agencies and companies and emphasize how every role has led to major advances in fisheries. Dave further elaborated that day-to-day contributions are often over-looked and that this address is a prime opportunity to highlight them. Dave Buzan requested assistance from Dave Terre, which they plan to collaborate on these efforts.

Dave Buzan discussed potential goals for the 2016 meeting. He mentioned that a goal of 300 attendees should be set for the meeting. Dave Buzan envisioned the increase in number from the 207 members in attendance at the previous chapter meeting held in San Marcos. To meet this goal, Dave Terre expressed to the EXCOM that

the chapter should encourage other agencies and the TPWD Coastal Fisheries Division to attend the meeting. Kevin Storey stated that having the meeting closer to the coast may boost attendance.

SDAFS Officer Update (Craig Bonds): Not present; no report.

Secretary/Treasurer (Michael Homer Jr.)

- Mike reported that he has officially assumed the Secretary/Treasurer duties from Greg Southard and that he is working on learning the duties and procedures.
- Mike reported that the chapter had a balance of \$16,236.66 as of April 8, 2016. Mike further stated that roughly \$25,035.30 has been deposited into the checking account since January 1, 2015; \$23,762.94 has been spent from the checking account since January 1, 2015, and all but \$9.00 were expenses for the 2015 annual meeting.

Committee Reports

Awards (Dave Buzan and Michele Nations): Michele will be soon assuming all of the duties for the chairman position. Michele mentioned that she has been in the process of familiarizing herself with the chapter rules. Dave Buzan and Michele plan to meet to discuss chairman duties and exchange materials. Dave B. expressed that chapter has been supportive when asked to help judge, but obtaining award nominations has been difficult.

Continuing Education (Lynn Wright): Lynn recently took over the Continuing Education chair from Dan Bennett. Lynn mentioned he was interested in surveying members about what they would like to have for continuing education. Kevin Storey recommended having a fish identification workshop with Dr. Tim Bonner (Texas State University), where he could emphasize identification on non-game species. Dave Buzan suggested one option being a brainstorming session to gather ideas about future directions for fisheries management in Texas. He also suggested that he and Lynn get together to discuss continuing education ideas.

Editorial (Dan Daugherty and Allison Pease): Committee chairs not present. Kevin Storey gave the committee report submitted by Dan Daugherty. Dan reported that peer-review process in progress for this year's proceedings.

Endowments (Dave Terre): Dave reported that most recent endowment balance was \$245,905. Dave urged that any balances over \$12,000 in the checking account as well as the funds from the auction should be transferred to the endowment account.

Dave mentioned that Danielle Macedo has still not received her scholarship check and plaque. Dave plans to meet with her to give her these items and take a photograph of the award recipient for the chapter.

History (Michele Nations): Michele thanked the chapter for remembering that we are entering the 40th year. Michele will be working with Dave Terre and Ray Mathews (previous historian) to create a slideshow and handbook for the 2016 annual meeting that will highlight the chapter throughout the last 40 years. Michele also plans to solicit help from John Moczygemba and Bruce Hysmith.

Internet (John Taylor and Danny Lewis): Danny reported that the 2015 meeting podcast and newsletter are on the chapter website. Danny reported that the committee has been working to let each chair edit their individual committee page in Word Press. Michele Nations has recently been given this capability and has had success using it.

Issues (Niki Ragan and Mark Webb): Committee members not present. Kevin Storey brought up the issue raised by Gene Wilde at the 2015 annual meeting regarding use of all-terrain vehicles/ off-road vehicles in river channels of the Canadian and Red Rivers, the only two systems exempted in a statewide ban. He would like to consider a resolution to ban use in all Texas river channels. Gene had also raised the issue of baitfish

introductions in the Brazos and Red Rivers and suggested the possibility of a recommendation to TCAFS for some sort of resolution this year. Kevin plans to follow up with Mark Webb soon.

Membership (Debbie Wade): Not present. Michael Homer mentioned that current membership in the chapter is 193 members (125 regular; 88 students). Kevin Storey suggested sending reminders to members that do not attend the annual meeting to renew their membership; if they do not renew they should be removed from the chapter's email list serve.

Newsletter Editor (Kevin Storey): Kevin mentioned that the deadline for the next newsletter will be set within this month.

Nominating (Dan Bennett): Dan Bennett stated he has assumed all duties for the Nominating Committee chairman position from John Clayton. Dan is currently learning the responsibilities and is already pondering candidates for upcoming positions.

Pond Management (John Tibbs and Greg Binion): Greg Binion reported that the Pond Management Manual has been posted on the chapter publications webpage. He thanked Michele Nations and John Clayton for their efforts for completing this task. Greg recommended that a revision of the manual is needed, and he plans to lead these efforts soon.

Publicity/Exhibits (Jake Norman): Not present. Kevin Storey and Dave Buzan expressed that Jake Norman has assumed the sole role for the chairman and needs assistance. Any people interested in helping should contact Jake.

Dave Buzan mentioned he would like to see increased contributions from the chapter for the silent auction and/or raffle. He elaborated that the contribution can be through items donated or through crafts. Kevin Storey further recommended taking Jenny Oakley's original idea to have each member secure an item for raffle/auction contribution.

Scholarships (Mike Morgan): Not present; no report.

Student Outreach (Joe Beach): Joe Beach has assumed the Student Outreach chairman duties from Michael Homer. Joe has been keeping busy with providing career/education opportunities through the chapter list serve and working with Michele Nations to post them on the Facebook page. Joe is currently working with Dr. Tim Bonner to get a TCAFS subunit established at TX State University.

Student Subunit Chapter Reports:

- Texas Tech University Student Subunit – Not present; no report.
- Texas A&M University Student Subunit – Hailey Woelfel was present to give the subunit report. The subunit recently had a fish fry that raised \$500. The subunit is also currently developing its own *Outstanding Fisheries Student* award. Recently, new officers were elected for the subunit, which they will take office May 1, 2015. The subunit plans to establish contact with the chapter to provide the officers' contact information.

Old Business: Kevin Storey thanked Danny Lewis and Michele Nations for taking photos throughout the 2015 annual meeting and uploading them on the website.

Michele Nations raised the discussion regarding Tom Lang's request for monetary support for the fisheries communications and fisheries programs management symposium to be held at the 2016 parent society meeting. The chapter amended the original request to \$500 during the 2015 annual meeting. Dave Terre expressed concern for the use of chapter funds for such requests and recommended that a protocol be

developed to formalize requests for monetary support. Dave T. further volunteered to work with Kevin Storey to draft the protocol for review by the chapter.

New Business: Kevin Storey discussed the proposal by Craig Bonds at the 2015 annual meeting for the chapter to host the Southern Division AFS annual meeting in 2018 or later. EXCOM felt that the chapter should host this meeting. Kevin proposed that a planning committee be formed to help with the meeting's planning. Dave Terre cautioned about the challenges with the planning but expressed that the chapter could benefit greatly from hosting the meeting. The chapter will seek to find a chair for this committee and committee members.

Mike Homer raised the idea of adding a convenience charge of \$0.50-\$1.00 for use of PayPal for chapter membership registrations. Dave Terre suggested that the true figure of money lost by the chapter by use of the PayPal service should be investigated further.

Kevin Storey discussed an issue raised by Greg Southard (previous Secretary/Treasurer) regarding concerns for students without current memberships that are applying for scholarships that are meant for student members. Mike Homer supported Kevin's statement by reiterating that AFS and SDAFS student scholarships are only awarded to student members. Kevin Storey and Dave Terre recommended that revisions to the procedures manual may be needed and that Mike Morgan should be consulted during this process.

Adjourn: Kevin Storey made the motion to adjourn which was seconded by Lynn Wright and Dan Bennett. The meeting was adjourned at 11:45AM.

2015 Student Scholarship Award

TCAFS Scholarship : M.S. - Danielle Macedo

Danielle Macedo is a Master's student in the Wildlife and Fisheries Sciences program at Texas A&M University. Growing up in Brazil, she discovered her passion for marine biology through snorkeling trips with her father. She completed her undergraduate degrees in biology and genetics at Texas A&M in 2013. During her time as an undergraduate, she participated in two research internships that sparked her interest in the field of molecular ecology. While at the University of Massachusetts-Boston, she studied depth-related population divergence in a deep-sea bivalve, *Deminucula atacellana*, and assisted with projects on intertidal ecology at the Gulf of Maine. Later, she participated in UCLA's Diversity Project, where she identified cryptic species of crabs with DNA barcoding in Bali, Indonesia. Her MSc thesis will examine population structure of the blue crab in the Gulf of Mexico.



Alice Best, TPWD, presents the TCAFS scholarship to Danielle Macedo

Comments on the retirement of Allen Forshage

April 22, 2015

By Craig Bonds, TPWD Inland Fisheries Director

Jim Rohn, a late motivational speaker once said, "You become the average of the 5 people you spend the most time with."

I don't know if that quote is accurate or not, but I've been blessed to have many mentors that have influenced me. I try to take bits and pieces of the good qualities from various people and incorporate them into my life.

Allen has some notably good qualities; several of which have been impactful to me.

- **Leadership legacy:** One quality of a good leader is one who multiplies other leaders; someone who unselfishly opens doors of opportunity for others. When I came to Tyler as a regional director, Allen went out of his way to introduce me to many key individuals in his network. He requested that our management teams engage and involve his staff on projects to the betterment of us all. He didn't have to do this. He did it because he wanted others to be successful and in turn make our Division and agency more successful. That stayed with me.
- **Courage to speak his mind:** Another notable thing about Allen is you never have to wonder what he's thinking. 90-plus-% of the time, that's a great thing! But seriously, all teams need someone who has the courage to confront the brutal facts and to say what needs to be said.
- **Sense of humor:** Regardless of the task at hand, whether the actual work is fun, menial, or demanding, someone who can frequently make you laugh can make any type of job enjoyable. I've had the pleasure of working closely with Allen on a number of tasks, both large and small. One constant was he never failed to make me laugh. He may be the world's champion smack talker, but his sense of humor is a priceless asset.
- **Solution-oriented:** Allen's temperament is one that wants to move projects toward accomplishment, regardless of impediments. If he was a football coach, he'd be the offensive coordinator, because he looks for ways to score, to move things forward, rather than coming up with excuses why something can't be done.
- **Gracious host:** Whether hosting groups at TFFC or guests at his home, Allen is one of the most gracious hosts I've ever experienced. When you pair him with Darlene, they're like the dream team for making someone feel special and welcomed.

Allen's given the agency over 44 years of his life. I've been with TPWD for only 16 years. I don't know an Inland Fisheries without him.

Allen, you are someone who is somewhat of an icon and someone who brings a larger-than-life persona into a room. It's hard for me to imagine an Inland Fisheries without you. I don't know if the motivational speaker was correct. However, I can sincerely tell you this; I'm going to miss you. My life has been enriched by spending time with you.

I wish you and Darlene many happy years in retirement.



Then and Now

By Michele Nations, TCAFS Historian

Part 1 of Dick Luebke's presentation given during the January 2001 TCAFS meeting can be found in the February 2015 Winter issue of the TCAFS Newsletter, Volume 41(1). What follows is the second and remaining installment, which provides information for the Chapter's 25th anniversary. Our 40th anniversary is coming up next year, and we're going to begin celebrating this year as we reminisce about "Then and Now." We might also start taking glimpses toward the future and what the 50th anniversary might include!

TCAFS PRESENTATION – PART 2 **by Dick Luebke - 1/22/2001** **1990 to 2001**

I think the decade of the 1990's was when the Texas Chapter really came into its own. We had enough members and enough financial resources that we could tackle some big tasks and not only accomplish them, but accomplish them in style.

Here are some of the most noteworthy accomplishments from the 1990s:

- ◆ In 1990 we finally cleared the last hurdle to get our annual proceedings sanctioned by the parent society, so we are no longer considered gray literature.
- ◆ The year 1990 also saw the Texas Chapter award its first two college scholarships. We gave two that year for \$150 each. By comparison, this year we will be giving four scholarships of \$700 each. Since 1990 we have given 30 more to deserving undergraduate and graduate students across Texas. After all, these students represent the future of Texas fisheries. What better investment can our Chapter make?
- ◆ In 1991 we showed what we could really do when we joined forces with the TPWD and hosted the 121st Annual Meeting of the Parent Society in San Antonio. Those of us who worked on that project know how much time and determination it took, but we also know how much it was noticed by our colleagues around the country. The Texas Chapter was something to be reckoned with!
- ◆ The next year, 1992, we decided to be gluttons for punishment and again teamed up with the TPWD to host the 46th Annual Meeting of the Southeastern Association of Fish and Wildlife Agencies (SEAFWA) in Corpus Christi. This was another enormous effort that helped show what our Chapter was and is capable of.
- ◆ In 1994 and 1996, revisions to the Texas Fishery Workers Directory were printed and distributed to Chapter members.
- ◆ We won an award from the Southern Division as the Outstanding State Chapter in 1996.
- ◆ Our Urban Fishing Committee completed and distributed a publication entitled "Guide to Developing Community Fisheries" (<http://sdafs.org/tcafs/tc-manuals/>).
- ◆ Also in 1996 we threw our hat in the electronic communications ring by developing our own Texas Chapter website, thanks to Fred Janssen (<http://sdafs.org/tcafs/>).
- ◆ By 1997, we couldn't stand the fact that we'd gone several years without hosting some kind of national or regional meeting, so we teamed up with the Oklahoma Chapter to host the Southern Division mid-year meeting in San Antonio. Once again, not only did we pull it off successfully, we pulled it off with style and, I might add, a substantial monetary profit. In fact, I think it was that mid-year meeting that caused the Southern Division leadership to require any profits from subsequent mid-year meetings to go to the Division rather than to the Chapters. See what you get for doing such a good job?

- ◆ We added as a regular feature to our annual meetings Continuing Education and Special Workshops.
- ◆ Last year, in 2000, we took our previous successes at joint Chapter meetings to a new level when we teamed up with both Arkansas and Louisiana to have a 3-Chapter joint meeting in Bossier City, Louisiana. I think by all accounts it was a tremendous success for everyone.

I know this has taken considerable time to present, but I think it's important to see where the Texas Chapter has been to fully appreciate where we are now (2001) and where we can go from here. I've been fortunate enough to have been along for the ride the entire first 25 years, and I have to say that my active participation in the Chapter has truly enriched my professional fisheries career.

Our Texas Chapter membership is now at about 220, and our bank account is about \$42,000 (at least it was prior to the recent stock market decline), so obviously we're in a great position to make the next 25 years even more productive than the last 25.

I challenge each and every one of you to do your share to keep the Texas Chapter ball rolling. If you do, I assure you it will be one hell of a ride.

Thank you.

Dick Luebke



Freebies for the busy fisheries professional!

❖ A scanner on your smartphone



Microsoft has released the free Office Lens app on Windows Phone, iOS and Android. This scanner in your pocket uses your phone's camera to save images of receipts, business cards, restaurant menus, notes on whiteboards and

blackboards in a choice of formats. This is not just a shrunken copier. Office Lens trims, enhances, and makes images readable. You can use 3 different modes; whiteboard, document, and photo depending on your application. The scanned pictures can be saved to OneNote (which is also available free on all platforms), OneDrive (Microsoft's cloud-based storage service) or locally on your device. Images can be converted to PDF, Word and PowerPoint files. Printed text will be automatically recognized (using OCR) and when saving to Word it will convert it to editable text. As with any OCR-converted text, you may have to do some reformatting and "cleaning up." Files saved to OneNote and OneDrive can be accessed through a browser on other devices. In case your phone dies or gets lost or stolen, you can still access your content.



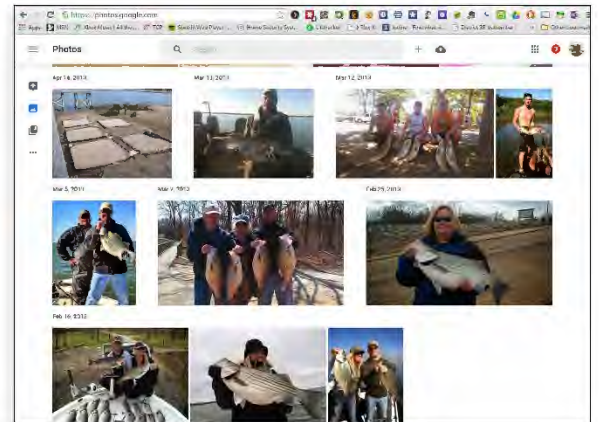
Windows Phone - <http://www.windowsphone.com/en-us/store/app/office-lens/5681f21c-f257-4d62-83f5-5341788a5077>

iOS - <https://itunes.apple.com/us/app/id975925059?mt=8>

Android - <https://play.google.com/store/apps/details?id=com.microsoft.office.officelens>

❖ Backup your pictures to the cloud for free

Google recently introduced a free service that lets you automatically sync your photos and video to the cloud. Google Photos provides unlimited backup and storage of high quality images up to 16 megapixels and 1080p high definition video. Compressed versions of the images are stored on their servers and accessible on mobile and desktop systems and the image quality is pretty close to the original. If you prefer to upload images at their original resolution it will count against your Google Drive storage. Additional capacity on Google Drive will cost \$1.99 per month for 100GB or \$9.99 for 1 TB.



You can upload your images through the website

(<https://photos.google.com>) or there are uploaders available for Android devices

(<https://play.google.com/store/apps/details?id=com.google.android.apps.photos&hl=en>) , iPhone and iPad

(<https://itunes.apple.com/app/id962194608>) , Mac and Windows (<https://photos.google.com/apps>).

Depending on the size of your photo collection, it can take a while to upload everything, but it's done in the background. If you're looking for a particular topic in your photos, you can easily search by people, places and things that are shown in your pictures. You don't have to provide metadata, it's done automatically. Images and videos can be modified within the program with powerful editing tools and you can delete images you don't want any longer. You can create montage movies, collages and animations or Google Photos will create them for you automatically. You can also share your pictures with shareable links. Get ready to have some fun with your pictures and get free copies in the cloud.

<http://www.tomsguide.com/us/google-photos-tutorial,review-2858.html>

<http://www.androidheadlines.com/2015/06/six-issues-with-google-photos-and-how-to-fix-them.html>

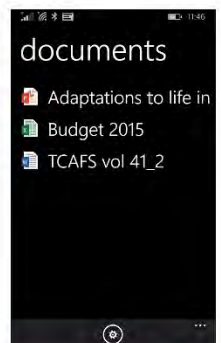
❖ A smartphone remote for Microsoft Office



Microsoft has now made it possible to use your smartphone to remotely control Excel, Word, and PowerPoint in Office 2013. First you'll need to install Microsoft Office Remote PC Setup, an add-in for Office 2013, on your PC or laptop (<http://www.microsoft.com/en-us/download/details.aspx?id=41149>) and you will need Bluetooth on that machine as well. If your system does not have Bluetooth, you need to purchase a USB Bluetooth adapter so you can communicate with your smartphone. Next you'll need to install the Office Remote app on your Windows Phone (<http://www.windowsphone.com/en-us/store/app/office-remote/01f53e5a-7870-49cb-8afc-d6fab6d7a3cd>) or Android device

(<https://play.google.com/store/apps/details?id=com.microsoft.office.officeremote&hl=en>).

There used to be an iOS app but it appears to have been removed from their store. Make sure you pair your phone with the computer, then open the Office files you wish to use and in the Office Remote tab turn on Office Remote. Launch the Office Remote app on your phone and it will list Office files that are open on your system that it can control. In Excel and Word, you can scroll around the program and Zoom in and out. In Excel there is also a control to



enable you to change sheets. In PowerPoint, the slideshow you selected in Office Remote will automatically start and the app lets you advance or reverse you slides. There is also a red laser-type pointer that you turn on and control by dragging your finger across the screen account. Pairing Bluetooth devices can be a temperamental exercise but in this case it could be worthwhile.

Flotsam & Jetsam – fish stories from around the world

🐟 All fish are ectotherms right?

All our lives we've been told that fish are poikilotherms or ectotherms or just plain "cold-blooded". Conventional wisdom told us they could not control their body temperatures through internal physiological sources and that fluctuations in the environmental temperature might affect their body temperature. Scientists recently published an article in *Science* about their discovery of whole-body endothermy in the opah, *Lampris guttatus*, a mesopelagic oceanic predator. They learned these fish can generate heat with their swim muscles by flapping their wing-like pectoral fins as they speed through the water. This movement increases its metabolism and heats its blood which warms the brain and heart leading to better reaction times. Heat loss in the cold environment where they live below the ocean thermocline is minimized through a series of counter-current heat exchangers within its gills. This adaptation gives them a competitive advantage over ectothermic species that inhabit the cold deep waters where opahs live.



<http://www.sciencemag.org/content/348/6236/786.abstract?sid=16e7a5d4-2f77-4461-826f-1ba229fbd2db>

🐟 Just when you thought it was safe to go back in the water



In 2015 we have had a rash of shark attacks and shark sightings that have rattled beach-goers just in time for summer vacations. In August the Discovery Channel featured a giant great white shark in a documentary filmed in the waters off Guadalupe Island, a volcanic island 150 miles off the west coast of Mexico's Baja California peninsula. The fish named Deep Blue was over 20 feet in length and weighed in at up to 5,000 pounds. One of the researchers, Mauricio Hoyos Padilla, found some footage of the behemoth on his computer this week and posted some video on Facebook on June 9, 2015. Deep Blue is female and believed to be at least 50 years old. She is recognizable by many distinctive scars along her body which are believed to be the result of fighting or mating. Divers and

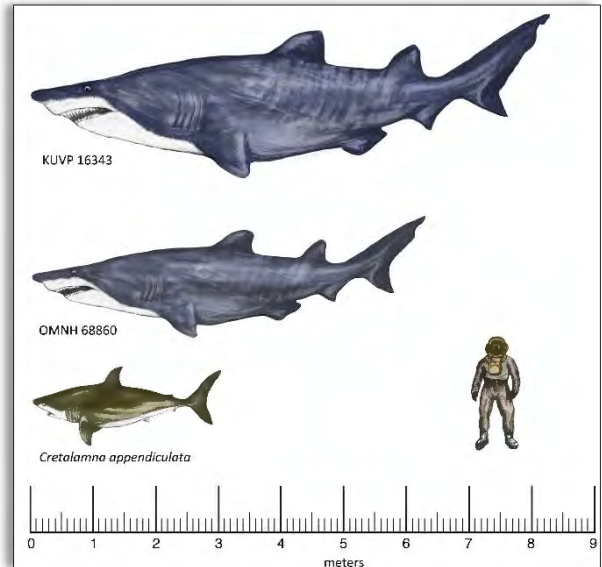
shark enthusiasts travel to Guadalupe Island to view great whites and fall is prime time to visit.

<http://www.dailymail.co.uk/news/article-3119448/Is-biggest-great-white-shark-caught-camera-Newly-released-footage-shows-massive-20-foot-long-great-white-named-Deep-Blue-towering-divers.html#v-4289158496001>

🐟 Land sharks in Texas?

Researchers from the University of Oklahoma announced the discovery of the remains of three fossilized vertebrae of a mega shark from the Lower Cretaceous Duck Creek Formation of Texas, in Tarrant County northwest of Fort Worth. They were discovered by members of the Paleontology Club of the University of Wisconsin-Milwaukee, and prepared and curated at the Sam Noble Oklahoma Museum of Natural History in Norman, Oklahoma. All three vertebrae were approximately of the same size and proportions implying they were from a single individual. They estimated total body lengths from individual vertebra by making comparisons with Cretaceous sharks possessing a more robust postcranial fossil record. They used equations created to estimate total body length from individual vertebrae in *Cretoxyrhina mantelli* and *Carcharocles megalodon* using *Carcharodon carcharias* as a proxy.

This shark, named OMNH 68860, was “a very large lamniform shark found within Albian-age rocks of north-central Texas” with an estimated length of 6.3 meters, about the size of Deep Blue. The larger shark show in the figure, KUVVP 16343, is another lamniform shark from the Kiowa Shale of Kansas estimated to be between 8.3 – 9.8 meters in length. The order Lamniformes is a common order of sharks known as mackerel sharks which includes contemporary species such as the great white shark. It is difficult to identify its taxonomy since no teeth were recovered associated with the vertebrae. These represent some of the largest published lamniform shark vertebrae from the Early Cretaceous of North America. Everything is bigger in Texas isn't it?



<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0127162>

🐟 You might want to bring a bigger boat next time



Jon Black of the Crazy Lure Tackle shop in Cape Coral, Florida was fishing from his kayak in Sanibel when he caught an enormous Atlantic Goliath Grouper. The fish measured 83 inches long and more than 73 inches in girth and was estimated to weigh 552 pounds. The all-tackle record for this species is 680 pounds set in Florida in 1961 before they became protected. Florida state law requires them to be released after they are caught.

Atlantic Goliath Groupers can measure up to 9 feet long and weigh up to 900 pounds. They are powerful fish and fortunately for Jon Black he managed to get the fish up to his kayak without incident except that his rod broke. Just in case you'd like to try your luck, he was using a custom Barrett rod, an Avett 50w reel for big game, straight cable and leader with an 18/0 circle hook baited with canal tuna.

<http://www.bing.com/videos/search?q=atlantic+goliath+grouper+videos&qpv=atlantic+goliath+grouper+videos&FORM=VDRE#view=detail&mid=58A1FD2DAF36B264887A58A1FD2DAF36B264887A>

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

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