

# The Tracker



The Central Texas Master Naturalist Newsletter      December, 2012

## Inside This Issue

From the President's Pen	2
Girl Scout Bug Badge	3
Camp Kachina	4
Plight of the Bumblebees	5
Green Teaching	6
Stewardship	9
Life of a Butterfly	9
3 R's, 4 R's, 5 R's	10
Nolanville Elementary	12
Special Recognition	13
FYI	13
Announcements	14

## The Newest Wildscape Wildlife Habitat Demonstration Site

- **Becky Denton**

Yes, right here in Bell County we have a new Texas Parks and Wildlife Wildscape Demonstration Site, and many of you helped make it possible. Mark Klym of Texas Parks and Wildlife visited the Salado Sculpture Garden



Our sign installed

October 19th to present the official wildscape sign to the Village of Salado and Keep Salado Beautiful.

The garden was designed by CTMNM members and Salado residents with birds, butterflies and other wildlife in mind. Along with a variety of native plants, you will find in the garden blue bird nest boxes, a water feature, brush piles, snags, and a dry stack wall. These features provide food, shelter, water, and a place to raise young to a variety of wildlife.

All of this has happened in just one calendar year. Many thanks

Continued on page 8...

## Calendar at a Glance

December 3, 9 am, Workday at Salado Sculpture Garden

December 4, 6 pm, MN Christmas Party

December 10, Killeen Hike & Bike cleanup, 8 am

February 15, Last day to submit registration materials for new MN class

February 26, 7 pm, Tentative date for Orientation for new MN class

March 2, Tentative date for New MN Class

*Chapter Motto*

**Earth Day,  
Every Day**

T E X A S



# From the President's Pen

This is my last writing as President of Central Texas Master Naturalist Chapter. Hard to believe two years have passed. It has been a busy two years with three trainings and new Master Naturalists becoming part of our chapter.

What is coming up in our future? There is the 2014 Nature Fest which we will be hosting and much work to be done between now and then, but I am quite sure we are up to the task.

We just finished helping with a Girl Scout event at Camp Ka-china. Some of us taught the Bug Badge, some the Tree Badge and then there was Angler Ed. I am not sure the total number we impacted, but the adults who accompanied the girls gave us some very positive feedback. We had fun working with these young girls.

There is also a group teaching Environmental Science, Geology, Weather, and Soil & Water Merit Badges at the Baylor Merit Badge College, which is held every fall on two separate Saturdays. This year, there are nearly 1100 Boy Scouts attending this event, the biggest ever. You can imagine seeing all these Boy Scouts shoulder in the atrium of the Baylor Science Building, a site to behold.

One of the Boy Scouts in our troop mentioned how much he enjoyed taking Geology Merit Badge. (John is 16 years old.) He said he was disappointed that the time went by so quickly, because



he was so wrapped up in what was being taught, he hated to move on to the next class. Way to go, Ray and Nancy. We went to the Scout Shop, where he purchased the Geology Merit Badge book and was reading it on the way home. He may become a geologist.

We never know what impact we have on others' lives, but sometimes we find out just what we have done. If we have stirred up someone to pursue a hobby or vocation in the field of nature, it is indeed a great day. We may not hold

all the answers but we can bring enthusiasm to any subject, and thereby impart that very thing to others. They in turn can look upon nature differently, whether it be to look at the littlest flower or long tailed lizard or blazing bird or butterfly, a shooting star, smelling the wonderful soil: just beholding the wonders that God has made. That is one reason to share what we know with others, so they can behold the same wonders we have experienced.



Photos by Don Wyatt

- Mary Ann



# Girl Scout (Brownie) Bug Badge

- Richard McCarthy

On Saturday, November 3; forty-five Brownie Scouts participated in activities at Camp Kachina that resulted in their meeting all requirements for the “Bug” merit badge.

The training activities were conducted by; Marilyn Whitworth and Yvonne Eele and myself.

The total group was given a talk on bugs and insects; their life cycles, metamorphosis and partial or incomplete metamorphosis, and anatomy.

The group was then divided into three smaller groups to participate in concurrent activities. Marilyn led one group with a craft (making butterflies out of coffee filters, wooden clothespins, black pipe cleaners and wiggly eyes).

The second group was led by Yvonne, (having the scouts make a poster of their bug, listing what was good or bad about the bug, what it ate and who are its enemies), also each scout had to draw what a cocoon looked like on the inside.

The third group took a bug hike to find and identify bugs. Several adult bugs and nymphs were found.

Each group rotated through all sessions.

A good time was had by all.

Photos by Richard McCarthy



# Camp Kachina Journey Day

- Ursula Nanna

What a glorious day....weather just right....we shared a few moments aside before teaching 107 Girl Scouts of various ages and troops on November 3rd at Camp Kachina in Belton. We gave a large variety of wonderful information on water and fishing, the items that keep us safe when fishing, and the regulations and basics of knots and tackle.

Just as we protect ourselves with head gear and elbow protectors when we bike ride or skate board, just as we protect others from us as we bike or board by observing not riding on sidewalks or in malls, so we also protect the fish, the environment, and others by observing certain courtesies and regulations.

Liz Pool and Shirley Watts presented these Fishing Safety and Regulations. This was Shirley's debut and she really took a shine to demonstrating the safety articles....we have such hidden talents among us..... Liz, as always, engages the youth and these Scouts had many questions as they went along. Liz and Shirley demonstrated what to do if a person falls into the water from a boat or dock or slips into deep water.

Kathy Cantu demonstrates Knots and Tackle with a controlled flare as she and Ray Machovsky taught the Palomar and Improved Clinch Knots and how to string a line. The one-on-one attention really pays off as the Scouts learn to tie new knots.



Ray took them step-by-step in the process of knots and everyone ended with success.

We were asked to take another group of Scouts as word got out about what we were doing in the little isolated knoll from which we were teaching. Each age group was able to learn something special just for themselves. Thank you to Liz Pool, Shirley Watts, Kathy Cantu and Ray Machovsky for sharing their skill and knowledge.



A special mention and "thank you" to Don Wyatt who took the photos.



# Spotlight on Natives



## The Plight of the Bumblebee

- Rehanon Pampell

Just imagine our country sides, fields, grasslands and prairies without the color of wildflowers... Or, imagine the effects the loss of these plants would have on the wildlife dependent upon them... According to US Fish and Wildlife, major pollinators help pollinate over 75% of our flowering plants and nearly 75% of our crops. Pollination is one of the most fundamental processes sustaining agricultural production and natural ecosystems. While most everyone has heard at least something in the news about declining bees, most press coverage has been directed towards a phenomenon that has been termed Colony Collapse Disorder or CCD which affects non-native European honeybees. The honeybees are undergoing extensive die-offs without a recognizable cause. Many producers import these non-native bees for pollinating crops as well as for honey production. Their hives are easy to move from field to field allowing the beekeeper to pollinate various fields throughout the growing season; however, native bees such as bumblebees play roles for these crops that are often as or more significant than those managed by honeybees. Native bee pollination is critical to the maintenance of the diverse ecosystems of Texas. Many of the berries, nuts, and seeds consumed by birds, mammals, and other insects are the result of bee pollination of native woody and herbaceous plants. Along with their substantial ecological contributions, native bees have proven to be more efficient and effective pollinators than honeybees of several agricultural crops.

Bumblebees, in particular, are more effective pollinators than honeybees of such crops as blueberries, eggplant, peppers, tomatoes, and watermelon. Bumblebees can be more efficient pollinators than honeybees because they are generalists, tend to have longer tongues (to pollinate longer, more narrow co

rollas or flowers), will forage during rainy, cool, and windy weather at which honeybee activity is limited and have the capacity to buzz pollinate. Buzz pollination is when bumblebees grab onto the flower and move their flight muscles rapidly, causing the flower and anthers to vibrate, and dislodging pollen. This resonant vibration is called buzz pollination. Bumblebees are a group of native bees that are free and take little maintenance. They are characterized by black



Above: A female American Bumblebee, *Bombus pennsylvanicus*, which was found at Heights Nursery and Garden Center in Harker Heights this past summer. It is a female because only females carry pollen on their back legs in a structure known as a "pollen basket."

Photo by Rehanon Pampell

and yellow body hairs, often in bands. However, some species have orange or red on their bodies, or may be entirely black. There are approximately 246 bumblebee species worldwide.

Continued on page 7...

# GREEN TEACHING, SCIENCE CLASS AT THE CREEK

- Rehanon Pampell

Tyler Elementary 4<sup>th</sup> graders meet Blackland Scientists and embark on an Eco-Scavenger Hunt at Friar's Creek.

Belton ISD Tyler Elementary fourth grade students are learning about the scientific method which is the way scientists study the world around them. Scientists at Blackland Research & Extension Center use the scientific method every day. They are improving soil and water natural resources by developing new technologies and management strategies for water resources as well as for agricultural, urban, and military lands.



Roughly 80 students from Tyler Elementary met at South Temple Community Park at Friar's Creek on October 5<sup>th</sup> for an exciting new adventure. Students visited with Blackland scientists to learn how a scientist might answer environmental questions. When

Mary Ann captures the attention of Belton ISD's Tyler Elementary fourth grade students. Photo by Jerry Lewis.



Dr. June Wolfe of Texas A & M AgriLife Research creates a watershed model out of exposed limestone at Friar's Creek.

just to name a few.

Dr. Jim Kiniry of USDA Agricultural Research Service spoke about his career as a plant scientist – the places he has traveled, the projects he works on across the country, and a biofuel project centered in Hawaii. He also demonstrated how he uses a cep-tometer to measure light levels in an open canopy versus near the ground beneath a closed canopy. The kids discussed the affects different sizes and densities of plants might have on the amount of light that penetrates the ground and the plants and animals that live there.

Dr. June Wolfe of Texas A & M AgriLife Research spoke about the importance of an aquatic ecologist. By finding some exposed limestone, Dr. Wolfe

Continued on next page...

## Green Teaching...continued

created a watershed model amongst the ridges of the stone. The fourth graders envisioned the ridges as mountains and the dips as water basins collectively forming a watershed. Styrofoam pellets acted as runoff or pollutants and a thermos of water acted as rain. The kids were then able to see how pollutants can travel through a watershed. They considered the implications the runoff might have on ecosystems within that watershed and beyond.

With the Master Naturalists, students inspected leaves that were smooth and rough, fragrant and smelly, round and serrated. They found baby toads, saw the inside of a hedge apple full of insects, observed web worms that rely on the trees for habitat, and spotted crawdads in the creek. Filled with curiosity, the kids explored the park; they began to notice the smallest of critters and the interesting patterns of nature.

This was a great opportunity for the kids to see a scientist in action, ask questions, and to have an up close and personal experience with nature. Linking kids to the natural world around them encourages them to become responsible citizens of our planet and its natural resources.



Tom Olsen has Belton ISD's Tyler Elementary fourth grade students using their senses (looking, feeling, and smelling) to investigate a bald cypress tree.

Photos in this story by Jerry Lewis and Rehanon Pampell.

## Plight of the Bumblebee...continued

Dr. Michael Warriner, an invertebrate biologist for Texas Parks and Wildlife, presented at the CTMN October meeting. He discussed information on the nine Species that occur in the state, tips on how to identify bumblebees, and how one can contribute as a citizen scientist.

According to Dr. Warriner, bumblebees have gone virtually unstudied in most states in this country despite their critical roles in agriculture and natural ecosystems. The last published review of bumblebee species in Texas was in 1913, nearly 100 years ago. Over the past few decades a substantial body of research has identified declines in bumblebee popula-

tions in Europe and North America. Potential causes include loss of nesting and forage sites, invasive species, pesticide use, parasitic spillover, and habitat loss, disturbance, and fragmentation. There is a real need to evaluate bumblebees in the United States to assess how their populations are faring and if conservation actions are needed. For more information on becoming a "bumble-watcher" to help evaluate the state's bumblebee fauna, please visit Dr. Warriner's website at [www.texasbumblebees.com](http://www.texasbumblebees.com).

## Wildscape Wildlife Habitat...continued

to all of you CTMN members who contributed ideas, effort, time and your own garden plants to this project. It has made a difference to our village! More good news! The night before Mark's visit, the Village of Salado Aldermen voted to make the Salado Sculpture Garden an official village park.

While Mark was in Salado, we took him on a tour of the Educational Sustainability Center and Monarch Way Station at the Elementary school where we found all four stages in the monarch life cycle. Next we visited the Keep Salado Beautiful Pocket Gardens. We now have six pocket gardens In our adopt a garden program.



Mark Klym, Salado Mayor Danny McCort, Village Alderman Susan Terry.

Those of you who love to garden and want to learn more about native plants and wildlife habitat will be glad to know that all three projects, Sculpture

Garden, Sustainability Center, and Pocket Gardens are approved for CTMN volunteer service hours.

So come see us in Salado. Take a stroll along the garden path and visit the plants, birds and butterflies. Sit a while on a bench and enjoy the sculpture. Or come to our regular garden workday, the first Monday of each month. Next newsletter issue expect to



hear more about the Keep Salado Beautiful pocket garden initiative.

Photos of sculptures by Kathy Cantu, photos of Dedication by Becky Denton.



# STEWARDSHIP

- Ursula Nanna

Wikipedia (hummm) says “Stewardship is an ethic that embodies responsible planning and management of resources. It is linked to sustainability.” If this is the case, than what is ethics? Plato.stanford.edu says, quoting Aristotle, “ethics has as its principal concern the nature of human well-being.”

The virtue of stewardship is acquired through deliberate practice to seek the well-being of all that’s around us. This really gets into a moral, psychological, ethical, philosophical debate because each of us has the potential and bent to experience and practice ethics differently.

For me, raised in a medical family, the phrase was, “First do no harm.” Most of us can relate to that better than we can relate to Plato or Aristotle. Many of us also agree that all life is a gift from God to which we must respond in gratitude. We do this by engaging in and facilitating the preservation and recovery of the environment around us.

The realm of stewardship enters as we responsibly manage the resources around us: air, land, and water. Well managed riparian areas and healthy wet lands are two examples of good stewardship.

When biological systems are well sustained they will remain diverse and vastly productive. Every science with which I’m familiar, every “-ology”, seeks to preserve itself so it can favorably interact with all other “-ology” systems.

Our current lifestyle of self-poffering, bigger is better, at the expense of everything will demand and exact its cost as we are slowly but surely paying the piper because we continually “want”.....with no giving back. We seem to believe, as humans, we have evolved....to me that smacks of being synonymous with getting better. Sometimes I look around and realize how I lack stewardship in how I live my life. Try as I may, I continually fall short of sustainable practices and lack of stewardship. I congratulate myself that I’m at least better than the next guy or gal. Am I? Are you? Are we?

# Life of a Butterfly

- Terrie Hahn

Our Flowering Senna trees were blooming like crazy this fall and were covered with these yellow with black bands caterpillars. The other photos show the transition to butterfly. We think this is an Orange Barred Sulphur Butterfly.



# 3 R's, 4 R's, 5 R's ?

- Ursula Nanna

Growing up in a paper sack world, many of us witnessed the conversion from paper to plastic. Perhaps this was spawned by 'save-a-tree' or it really is just plain cheaper for Corporate America to make plastic and for businesses to purchase plastic...or is it ???

We are so 'front-loaded' and 'immediate' now-a-days that we see only the initial cost. But when compared to the price tag of disposal...the cost is too dear to even fathom.

It is just easier for us to throw away something than it is to recycle the item or take the time to think of ways to re-use it. We have come to the function of the 'out of sight, out of mind' philosophy as well as 'if it don't mind, then it don't matter'. Someone once stated that you can tell the state of a country's health by examining the state of its sewers.

From environmental ignorance and/or personal laziness, the end price, the price to eliminate our misused and ill-produced waste, really costs 100's of times more than the cheap purchase price. As the world groans under the weight of our personal pandering and irresponsible stewardship, we are quickly depleting, poisoning, and killing our natural resources. Like the ill-bolstered economy, we believe all is well in our own small, narrow-scoped lives. Everything around us warns and screams of its imminent demise.

We still have a chance to turn things around, to undo some of the harm done. The process is one of small, baby steps even though, as a population, we need a



frontal lobotomy or a 2x4 upside the head to do what we REALLY must do.

What is waste anyway? Easily, it is anything we throw away or get rid of that doesn't get used. To manage waste, a nifty 3R slogan and campaign was born....Reuse, Reduce, Recycle. Two more R's, Refuse and Repair, have been added, and soon a 6<sup>th</sup>.

What are the current 5 R's ?



**R #1= REFUSE** – To buy items containing hazardous materials.

Say NO to disposable plastics from straws to drink bottles to plastic bags.

Bring cloth bags to stores, even department stores. Wash the bag to reduce contaminants often found on the bag bottom. Cloth totes eliminate 500-1000 plastic bags per person per year. Don't buy things you don't need.

Continued on next page...

## 3 R's ...continued

Avoid one use products or products designed to be thrown away.

**R #2 = REDUCE** – This was interesting....reduce by using stainless straws, refillable multiuse lighters, bringing your own plate and silverware to gatherings, reusable mugs, cups and water bottles. Buy milk and juices in glass reusable or recyclable containers. Go back to waxed paper instead of plastic wrap. The problem of plastic reduction is way too huge to encourage gradual reductions in 1-use plastics like drinking water in plastic bottles. Over 6 million 1-use plastics are thrown into our environment every year utilizing over 750 million gallons of oil in their production.

I recently attended a symposium in Plano TX on plastic contamination with relation to Marine Debris. The film shown left me visibly shaken and fundamentally ashamed since I, too, contribute to the plastic pollution.

There is an organization called SUPER created by the plastic pollution coalition- **Single Use Plastic Emergency Response**. From this has stemmed REFUSE, the 1st R. When we cannot refuse, we most certainly can reduce the amount of waste we generate. YA.....HOW ?????

Use only as much as you need for personal hygiene like paper towels and toilet paper. Follow REFUSE suggestions. Certainly, if we didn't produce it in the 1<sup>st</sup> place, we wouldn't have to reduce it in the 2<sup>nd</sup>. In 2010, it's estimated we generated over 10 million **tons** of waste.

Reduce has been coined 'Waste Prevention' or 'Source Reduction'. It implies designing, purchasing, and using materials in such a way that less toxic waste is created, and fewer natural resources are used. EPA says waste is not just created when consumers throw away things. The total life-cycle of that product from extraction to transport to processing/manufacturing facilities to manufacturer to end-use consumer generates a giant waste 'footprint'.

Selection of less hazardous or non-hazardous materials, such as cleaning products and pesticides, proper end use by the consumer, and using the least amount of a product to do a given task. Reduction means sav-

ings for consumers and businesses as waste is minimized.

EPA is implementing a pay-as-you-go throw program where citizens pay for each bag of trash they set out for disposal rather than a tax-base or flat fee. So, households that reduce waste pay less. In my heart, I feel this can open the door to the toss-and-go practice of disposal and create a dump-site mess...just a thought....

Other economic benefits may come from purchasing in bulk for less packaging or those that are reusable, reducing single-packages. Businesses would save money by reducing the size of their product contain-



ers...you know...those giant cereal boxes that house only 12 ounces of cereal-sold by weight NOT volume sorta thing !!!

The National Institute of Environmental Health Services (NIEHS) defines the environment as everything around you including the air, water, and land. Waste is anything you throw away, get rid of, or doesn't get used. Again, pre-cycle by refusing certain items and reduce by purchasing properly packaged items. There are thousands of ways to reduce, limited only by your level of concern and your imagination.

I'll go over the remaining 3'R's, Reuse, Repair and Recycle in the February issue of The Tracker.

Credits to: [www.care2.com](http://www.care2.com) [www.plasticparadise.com](http://www.plasticparadise.com)  
[www.marinedebris.noaa.gov](http://www.marinedebris.noaa.gov) [www.greenchoices.com](http://www.greenchoices.com)  
[www.epa.gov](http://www.epa.gov)

# Nolanville Elementary

- Ursula Nanna

A big "Thank You" to Sandy Summers for introducing us to Nolanville Elementary's Science Day. Displayed at the school were military tanks, militia jeeps, and one great big helicopter which landed in the back of the school with military fanfare. The students were extremely excited to actually touch this giant machine !!! This is a hard act to follow....

There were 12 presenters for Science Day, among which were the Central Texas Master Naturalists displaying Fishing Safety and Regulations and Marine Debris and Environmental Ethics.

Yvonne Eele wet her first line enticing the 136 5th graders with all sorts of safety equipment. She asked the students why each article was important to safety and how and why it was used in fishing.... Student stories about the safety articles were very interesting as they vied for Yvonne's attention to be chosen to answer questions. Yvonne actually had students model the life jacket (personal floatation device) to show how to buy and wear one that fits properly. This information alone, can save a child's life....Just that one safety article elicited many questions from the teachers as well as the students. Did you know there was an age at which the wearing of a life jacket on a water craft was required? Licensing was another big area of interest from the teachers, especially land owner families. I think many learned something new here. Yvonne has found her niche as the "Vanna" of Fishing Safety.

Tom Olsen, aka Captain Tom, entertained the students with his Marine Debris antics simulating a fish in human form. It has to be seen to be believed!!!! The teachers were roaring in the background. However, amidst the fun, he mesmerized the students by taking them to a "Special Place" in their mind where he got the students to think about what we're doing to our environment, how our carelessness with our garbage



is "EVERYONE'S PROBLEM". He discussed the 5 R's and the students were well versed in recycling and the many articles of debris found along our waterways

When Yvonne and Tom present again, you are all invited to witness their 'animation of information'.



# Special Recognition for Central Texas Master Naturalist

*The HeadWaters Newsletter of the The Meadows Center for Water and the Environment Texas Stream Team at Texas State University in San Marcos spotlighted CTMN Tom Olsen in their Winter 2012 issue. Thanks to Richard McCarthy for bringing this special honor to our attention - "Congratulations Tom on being selected for the Texas Stream Team Newsletter in the Volunteer Spotlight. Good job, keep up the good work." This article is reprinted from <http://txstreamteam.meadowscenter.txstate.edu/events/newsletters/winter2012.html>*

## Volunteer Spotlight: Tom Olsen

By: Jared Yaeger,  
HeadWaters Newsletter writer

Tom Olsen is new to Texas Stream Team. Unlike past



Volunteer Spotlight articles, this one is going to celebrate a new volunteer who is meeting his commitment to monitoring with passion and excitement. After retiring from a career in radiology at a local hospital, Tom decided that he wanted to take his love for the outdoors to the next level. Being an active Master Naturalist in Central Texas, it wasn't be-

fore too long that Tom met with Richard McCarthy, a Texas Stream Team Trainer, who he said was "instrumental" in his decision to become a Stream Team monitor. "Rich brought a black box (core kit) down to the Waco Wetlands and got everyone interested in water quality, he had such enthusiasm", Tom explained.

## FYI

### - Katherine Bedrich, El Camino Real Chapter

Hello neighbor Chapters,

Mark Klym will be giving a Winter Whooper Watch program on Wed. December 5th from 4-6 pm in Milano Texas (Milam County). He asked me to invite neighboring Chapters. Granger Lake has had Whooping Cranes. Contact me if interested at [kamber51@att.net](mailto:kamber51@att.net)

So in September of 2012 Tom became certified as a water quality monitor. He will begin monitoring a reactivated site at Mother Neff State Park where the Leon River enters Lake Belton, near Temple. In the future, he hopes to reactivate more sites in the Leon River watershed as well as possibly conduct a study comparing the water quality before it enters the lake and after.

When asked what his main reason for wanting to become a monitor, Tom explained, "I like the idea of being a citizen scientist, it is important for decision makers to have "eyes on the ground". Tom also elaborated on this saying, "Water is so important! But give me the facts, not just your opinions, years of working in the hospital helped me understand how critical the facts are when making decisions". He explained that it was learning about how all of the variables come together to form water quality that really got him concerned about what was going into the water, "It amazed me when I realized how much of the water consumed is treated wastewater, this got me very excited about understanding water quality".

"I feel like I am a small spot on a map, but I know that I am part of a larger picture of what's going on in Texas" said Tom. However, he sees his contribution as a monitor to be more than just collecting data. He believes that by educating the public, especially kids, on water quality issues he is giving a "voice" to that stream or lake. A voice that he believes needs to be taken into consideration when decisions are being made.

Tom parted with these words of encouragement for other volunteers, "Have Fun! And remember to try and develop a personal relationship with your site, it can develop its own personality over time and even become a friend".

# Announcements

## Class of 2013 Open

The Class of 2013 is now open for registration! The Central Texas Master Naturalist Chapter is now accepting registrations for the Master Naturalist Class of 2013. Last date to submit registration materials is **February 15, 2013**. Orientation is tentatively scheduled for February 26, 2013, 7:00 pm – 8:30 pm with classes tentatively being scheduled weekly on Saturdays beginning March 2, 2013 and running through early May (excluding major holidays and Spring Break.) Spread the word!

## Killeen Hike and Bike Trail

- Mary Ann Everett

Andy K. Wells Hike and Bike Trail in the Killeen Community Center Complex is one of our parks to clean up. Location for the start is the parking lot on the East side of W.S. Young Drive about a quarter mile north of the intersection of Business 190 and W.S. Young Drive. Come **December 10th at 8 am**.

Bring: gloves, hats, sunscreen, insect repellent **V**

## Work at Salado Sculpture Garden

- Becky Denton

There will be our regular work day at the Sculpture Garden the first Monday of **December, the 3rd**. Starting time in this nice cool weather is 9am.

Any questions contact Becky - 718-5374 or beckyden-ton@embarqmail.com. **V**

**V** Approved for Volunteer Hours  
**AT** Approved for Advanced Training  
**MA** Must Apply for approval of hours

## MN Christmas Party Coming Up!

- Zoe Rascoe

Our December CTMN meeting will be our annual Christmas Party held at my home in Temple. All CTMN members are encouraged to attend and may bring a guest. It will be a week earlier than usual - **December 4, 6:30 pm at 1900 N 13th St. in Temple**. So plan to attend an enjoyable evening with your fellow Master Naturalists, door prizes and good food.

## Hello Master Naturalists!

- Mary Ann Everett

As announced at our last general meeting, we will be holding an election for President and Treasurer for 2013-2014 (two year terms.) You may recall that we will be staggering the elections of the four officers so that all would not turn over in the same year. This December we will hold an election for Vice President and Secretary. In accordance with our bylaws, I am notifying you of the slate for President and Treasurer that has been submitted by our Nominating Committee. Those members in attendance at our December 4th general membership meeting will vote by secret ballot. Any nominations from the floor will be accepted prior to the vote.

The Nominating Committee respectfully submits the following candidates for 2013-2014:

President: Lynn Fleming

Treasurer: Don Wyatt

If you have any questions about the process, please contact me or one of the other members of the Nominating Committee.

We look forward to seeing you on **December 4th!**

## *Newsletter Mission Statement*

*"Our mission is to inform and educate Master Naturalist members and the general public about our local environment and resources, and what we, as caretakers, can do to protect them."*

### **Board of Directors**

**President:** Mary Ann Everett

**Vice President:** Zoe Rascoe

**Secretary:** Louann Hight

**Treasurer:** Gail Hughling

**Web Master:** Dale Hughling

**Membership:** Linda Young

**Historian:** Becky Denton

**Historian:** Joanne Milican

**Host:** Marilyn Whitworth

**Newsletter:** Gail Hughling

### **Chapter Advisors:**

Randall Rakowitz, Lyle Zoeller  
County Extension Agent, Natural Resources

Derrick Wolter,  
Wildlife Biologist, Texas Parks and Wildlife

### **Newsletter Staff**

**Newsletter Committee Chair:** Gail Hughling

**Editor:** Terrie Hahn

**Proofreader:** Werner Hahn

**Contributing Writers:** Mary Ann Everett, Ursula Nanna, Richard McCarthy, Rehanon Pampell, Zoe Rascoe, Becky Denton, Katherine Bedrich, Terrie Hahn

**Contributing Photographers:** Kathy Cantu, Ursula Nanna, Richard McCarthy, Rehanon Pampell, Becky Denton, Don Wyatt, Jerry Lewis, Terrie Hahn

**Please send any news of events, articles or photos of what you're doing or what's going on in your yard or area to:**

**Terrie Hahn at [moompie45@hotmail.com](mailto:moompie45@hotmail.com)**

Front page banner is from  
[www.texasbumblebees.com](http://www.texasbumblebees.com)

