

ARLINGTON
CONSERVATION
COUNCIL

POST OAK

VOLUME 19, NUMBER 10

NOVEMBER 2018



Southwest Nature Preserve • Photo by Bob Brennan

**Our New
Venue**



November Meeting Sustainable Building

**Gary Gene Olp,
FAIA, NCARB, LEED Fellow Environmental Architect**

Wednesday, November 7, 7 pm

**George W. Hawkes Downtown Library, 3rd floor, Excellence Room
100 S Center St, Arlington TX 76010**

**Our New
Venue**



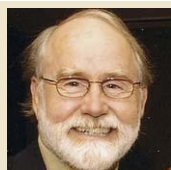
Program: To many architects, “sustainability” is a relatively new concept. Sustainability is in fact an approach that was employed by nearly all native peoples and ancient civilizations around the planet before the rapid changes forced upon us by the first industrial revolution. So, what does it really mean to design sustainable architecture? Is this some new fad like destructivism or post-modernism? Do sustainable buildings look different from “ordinary” buildings? Are sustainable buildings more expensive or more difficult to construct?

Presenter: Gary Gene Olp, directs GGO Architects, Corp., an acclaimed architectural studio in Dallas, Texas. GGO Architects was the first green practice in Dallas, focusing on green buildings that incorporate energy efficiency, passive solar techniques, natural day lighting, non-

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From the President

Dick Schoech

Recent Flooding in Arlington: What to Do?

Our last weeks have been dominated by record-breaking rain and subsequent flooding, so what else could I write about? Since our weather usually involves droughts and floods, and even President Trump has acknowledged that climate change exists, we need to think of ways to lessen the impact of our changing climate.

Flood control begins at home. Our yards should not be landscaped for runoff into the streets or onto neighbors' properties, but for absorbing the maximum amount of water for the dry months. The picture below shows how a few bricks and plants can help a gradual slope hold water so that it can soak into the soil.



A rain barrel under a gutter can fill up during a thunderstorm to water plants and grass during the dry months. Just be sure to hose out the rain barrel when it is empty

and to keep all entrances screened to prevent mosquito breeding. Another strategy is to use grasses and other plants that store water during rains and survive during droughts. Any native-plant-sale volunteer can tell you which plants to use. For example, buffalo grass and cedar sedge look similar to lawn grass, have deep roots, can be mowed and walked on, and can survive wet and dry weather. For a larger option, try inland sea oats, which look beautiful all the time, but especially in the fall. If you have space, plant trees that are excellent at flood control. Many understory trees grow in shade and add spring and fall color to your landscape. Arlington's [L.E.A.F.](#) program gives away a variety of large and understory native trees to residents each fall.



Your neighborhood is the next level of focus. Be a good citizen by picking up trash any time you walk in your neighborhood to prevent the trash from washing into streams and eventually to one of the Texas-size ocean garbage patches. Participate in neighborhood meetings and events that help to beautify your neighborhood's landscape. Volunteer to help keep your parks in shape and maybe join and support any local "Friends of the Park" groups.

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ACC POST OAK

Our mission: ACC works to protect Arlington's natural environment through education, community service, and advocacy for a sustainable future

Published 10 times a year by
Arlington Conservation Council
P.O. Box 216, Arlington, TX
76004-0216.

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15th of every preceding month.
Please send them to
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Bits & Pieces

The Terse Tree Hugger



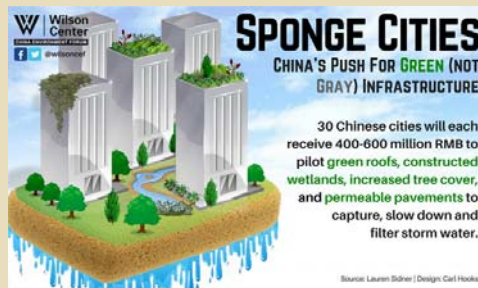
Tree lights point up.
More light pollution.
Maybe sick trees, too.

Really? [Read this.](#)

Time for Gray to Green

All the recent rainfall has to make us think much more about the damaging, wasted runoff that we could take advantage of if we stop all our “green to gray” thinking and slow, capture or use that record-breaking rainwater.

Learn more [here](#).



Ballpark Beavers?

Sure, and Dick Schoech has the evidence that unruly nature still prevails, even in our manicured, mostly sterile sports paradise. Dick thinks of this as



"Beaver's revenge" because one or more beavers sneaked into the ballpark area and put the final killing cuts on a tree downed in the recent flooding. The victim had a beaver guard on its trunk that protected it, but only while it was upright.

Visit us on the Web
www.acctexas.org

I LOOKED ON THE MOON *John Blair*

I looked on the moon tonight
Apropos of nothing
Except that I was out
And it was floating there
Beyond the elm's top.

Four days past the equinox
The cool air oozed dew,
I heard no owl hoot,
No bats or moths flew,
The wind had stopped.

The moon's glow shone
On damp leaves all around,
On tall flower spikes,
Pale paving where I stood,
The bare house wall.

I was alone,
Silent in the silent dark,
And but for the moon,
The vast but distant stars,
Not a spark to light my way.

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9/25/2018

**Join us and act locally.
Use the handy
application form
on the back page.**

Question Corner Grace Darling

The multitudes rose up in righteous protest after the editor's failure last month to address a serious question. So we've brought in a designated adult to fill this space properly:

Q: Is there an organic alternative to RoundUp?

A: Glyphosate was patented by Monsanto under the trade name RoundUp in 1974 and has since become the world's most widely used and best-selling herbicide. It is used in more than 130 countries on agricultural crops, orchards, nurseries, greenhouses, lawns, landscapes, rights-of-way, etc.; in the U.S., glyphosate may account for up to 90% of pesticide applications in landscape beds. Glyphosate is a non-selective, post-emergent, broad-spectrum systemic herbicide. When applied to growing plants, it is absorbed by foliage and translocated to the roots, where it blocks the production of a specific enzyme pathway needed for plant growth. Wilting and death occur within ~7-10 days. After application glyphosate binds tightly to soil particles and thus becomes inactive to plants. It is marketed as having no effect in animals because it is designed to specifically inhibit an enzymatic pathway required for protein synthesis that is unique to plants.

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Wild Birds Unlimited
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Arlington, TX 76012
(817) 275-1000
www.wbu.com/arlingtontx
Hours 10 - 6 Mon - Fri,
9 - 6 Sat, 12 - 5 Sun

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From the President continued from page 3

Park staff are very busy handling major park issues such as stabilizing washed-out areas and removing flood sediment and downed trees, so anything you can do to help with your parks will be appreciated. Let your city council representative know that you appreciate your parks and the work the city does to keep them in good shape. City council email addresses are on the [city's website](#).

The next level is the city of Arlington. The DFW area is rapidly being built to the point where no spaces exist for absorbing the large amount of water released by thunderstorms and flooding rains. Let your representatives know that you support Arlington's tree ordinance and parks with natural areas that absorb flooding rains. Let them also know that you oppose turning creeks into cement-lined ditches that just speed up the flow of water and move sediment and flood water

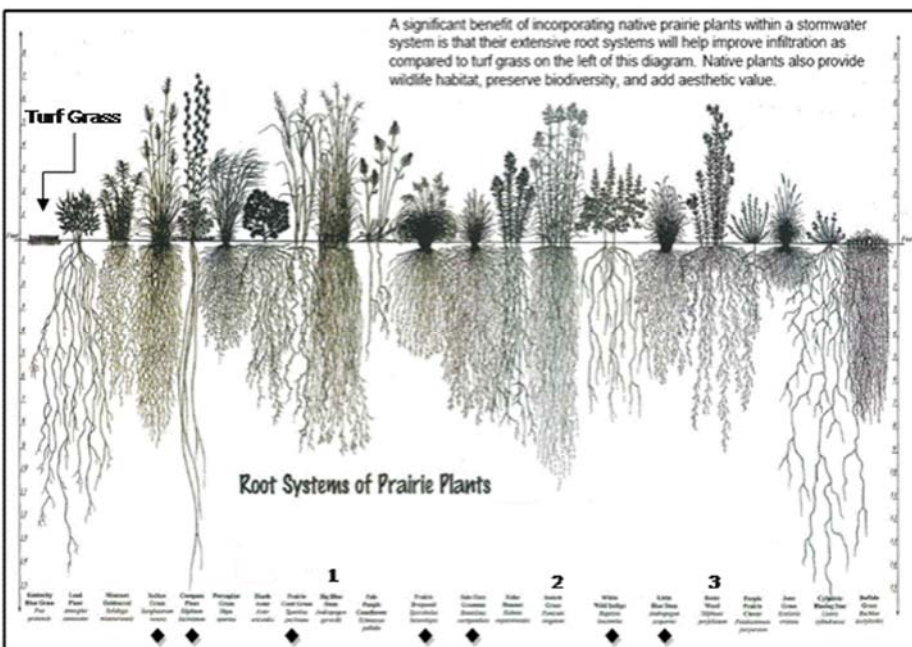
downstream. Also, streams and rivers meander by nature, taking sediment from one area and depositing it in another. They need creek beds and open areas that can absorb flood water and then slowly release it during dry spells. They need vegetation on their banks with plants that have roots that can hold soil (*below, left*). A creek with short-rooted grass mowed short down to the water is an erosion disaster waiting to happen during the next flooding rains. See the picture taken in Randol Mill park (*right*). Another option for cities is to encourage water absorbing tree islands and permeable surfaces in parking lots rather than allowing massive impermeable concrete and pavement parking lots such as those around AT&T stadium.

The final level is the DFW level. Support events that promote our rivers and streams as resources for



citizen activities rather than as wastewater ditches. Help by volunteering for events such as a Trinity River trash pickup. Governmental policies seem to focus on the maximum number of contaminants that can be dumped into our waterways as long as they do not cause disasters such as fish kills or algal blooms. The goal of the 1972 Clean Water Act was to make our rivers and streams fishable and swimmable. Not only is it questionable to swim in most DFW rivers and streams, we are cautioned not to eat the fish in many of them. As with the city level, our actions at this level involve letting our elected representatives know that protecting our waterways and parks locally and nationally in a sustainable fashion is necessary to receive our vote.

In summary, with water it's obvious that a penny of prevention is worth a pound of cure. But this fact is easy for leaders to ignore when the pounds for the cure are paid for by future generations while we can spend the penny now. Help ACC promote sustainability by making our flooding rains and thunderstorms resources for us now as well as for future generations.



Blackland Prairie Nature Preserve photos by Wes Miller



Each horizon, each place holds its own evolutionary power be it the prairie or the plateaus, the mountains or the marshes at Great Salt Lake. For me, this is the nature of peace. Our task is to learn how to see it, feel it, hear it, and care for these places as our own home ground.

Terry Tempest Williams



More Bits

LIKE A TINY DINOSAUR

John Blair

Like a tiny dinosaur
With fur instead of skin,
A possum wanders
Through its day
Waving a naked tail
Behind it in the air,
Poking a narrow nose
In places food might be.

Not finicky about its fare,
Yet a possum takes great care
At cleanliness, washing
Thoroughly with paws
And tongue when it
Has eaten, grooming
Every hair into its spot.

Possum forebears
Roamed the Earth
When real dinosaurs
Had newly disappeared,
Surviving fifty times as long
As we naked apes can claim.

And yet we sneer at them,
We who may
Destroy
Their home
And ours.

©2018 John I. Blair,
10/13/2018

Nature Crawl

Bringing Awareness to Our Nature Parks

Many people think of the city park as simply a playground, soccer field and maybe a baseball diamond. But many urban parks maintained by Arlington Parks & Recreation Department are more than simply picnic tables.

The *Nature Crawl*, happening on Black Friday, November 23, is an open house to nature inside the Arlington city limits. So close, yet hidden and underutilized. The crawl highlights four unique urban nature parks: O.S. Gray Natural Area on Abram, the Wildscape in Veterans Park, Southwest Nature Preserve bordering Kennedale, and River Legacy Park along the Trinity River.

Starting at 9:30 am with The Friends of O.S. Gray Natural Area showing off the wildflower meadow and trails off Abram Street, the crawl is off to visit three other nature parks. Volunteers from each park will help point out the unique features and native plants being preserved in the various parks.

Those visiting all four nature reserves will get some useful discount coupons to some local retailers. REI is promoting the Crawl at their stores in support of the *Opt Outdoors* campaign. Arlington resident Jim Domke is coordinating, partly motivated by

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Thanks to Our Last Speaker



*ACC board member Grace Darling with
Carl Franklin*

Carl Franklin, Biological Curator of UTA's Amphibian and Reptile Diversity Research Center, spoke to us last month at our new meeting place in the Central Library. Carl's topic was DFW: A cradle of turtle diversity and lair of lurking leviathans. That is, turtles and more turtles — and we are lucky to still have lots of species in our area. Their stories were all presented with a rare mix of great illustrations, scholarly knowledge, and very down-to-earth enthusiasm and considerable humor. It was just perfect for those of us who crave good old-fashioned natural history with a big dose of fascinating animals.



ACC November Program continued from page 2

toxic materials, advanced building science and enhanced indoor air quality. GGOA has since completed more than 375 projects including residential, commercial, institutional and museum work throughout the United States. Gary's civic involvement in the City of Dallas reflects his commitment to a broader vision as a practicing professional. He has served as a board member on various cultural, educational and civic boards, committees and task forces. Gary is most proud of his service with the Boy Scouts of America serving as Assistant Scout Master and



High Adventure Coordinator for Troop 744 & 861. Both of his sons achieved the rank of Eagle Scout. Gary and his studio continue to be recognized as a leading sustainability-focused firm and they have been recognized with 7 major design awards, 3 NAHB Energy Value Housing awards, multiple green building awards and honors. GGOA designed the first LEED Platinum certified home in the State of Texas; Heather's Home which was featured in Oprah Magazine. Recent awards include Green Ribbon Award for a Public LEED Project, (USGBC NTX), Clean Air Through Energy Efficiency (CATEE), Outstanding Individual and GreenSource DFW's Sustainable Leadership Award. When he isn't designing or volunteering, he enjoys spending time with his family on his organic urban farm, tending to their backyard bees and chickens and enjoying the antics of three rescue dogs.

The Arlington Environmental Hall of Fame

One shabby patch of Gregg's bluemist + no real care = 3 Monarchs + 17 Queens + a handful of other butterflies on a very windy day. If this guy can feed butterflies, we all can.



Question Corner continued from page 5

Concerns over glyphosate toxicity date back to 2014, when the World Health Organization concluded that it was "probably carcinogenic" despite industry's and regulatory agencies' in Europe and the U.S. claims to the contrary. Other studies suggest a slowing effect on animal metabolism compounded by the so-called inert ingredients in commercial formulations of glyphosate, particularly in aquatic environments. Regardless of whose science you choose to believe in, green alternatives to RoundUp do exist and fall into 7 product categories: natural acids (vinegar + citric acids); herbicidal soaps; iron-based herbicides; salt-based herbicides; phytotoxic oils (clove, peppermint, pine, citronella); corn gluten; and combination products.

Enter vinegar. Acetic acid affects the cell membranes of a plant, causing rapid breakdown/desiccation of foliage tissue on contact. In concentrations of 20% or higher, vinegar is an excellent herbicide. In sufficient quantities, acetic acid results in quick burn down of the plant, especially in bright sunlight. Products are non-selective, foliar sprays that kill most broad-leaved weeds and burn back grasses temporarily. Applications require a surfactant; yucca extract is sometimes added as a natural sticking agent.

PROs:

- Excellent control when contacting very small annual broadleaf weeds
- Rapid kill rate (>90% of treated

plants should die within 24 hours)

- Fast breakdown in the environment with no residual activity in the soil

CONS:

- Will kill or damage any plants they touch
- Weeds must be small (within 2 weeks of germination)
- Roots are not killed; repeat applications are needed for larger weeds and perennial weeds
- Good spray coverage is essential (70 GPA+)
- Spray drift may damage desirable plants
- Acetic acid corrodes metals in equipment, fences, and furniture and stains or etches masonry surfaces
- Should not be applied more frequently than every 2 weeks
- Treatments must be delayed 24-48 hours or more after rain
- Can burn the skin and may cause severe eye irritation and injury
- Prolonged or repeated exposure may cause dermatitis, chronic bronchitis, and erosion of teeth

<https://www.the-scientist.com/news-opinion/how-toxic-is-the-worlds-most-popular-herbicide-roundup-30308>

<https://extension.umd.edu/sites/extension.umd.edu/files/docs/programs/ipmnet/Vinegar-AnAlternativeToGlyphosate-UMD-Smith-Fiola-and-Gill.pdf>

<https://theintercept.com/2016/05/17/new-evidence-about-the-dangers-of-monsantos-roundup/>

Nature Crawl

continued from page 8

how long it took for him to discover the natural areas inside Arlington.

"Driving on the city streets and there's no clue what lies inside some of the parks," he says, "These gems are hidden away and need to be discovered."

Getting out away from malls, traffic, and stop lights by going to a nature park is an easy way to simply take time and relax, breathe in the fresh air and enjoy life. It's a great place to take the whole family for a walk after the huge Thanksgiving feast.

The crawl visits four of the 90 parks maintained by Parks and Recreation. Future crawls will visit some of the other areas that enable visitors to get back to nature.

Who: Nature Crawl 2018

What: Guide to four urban nature reserves

Where: Arlington Texas

When: Friday, November 23, 2018

Contact: Jim Domke, 817-435-2980 or jim.domke@gmail.com

Facebook: Nature_Crawl

Donations to: Green Arlington Foundation

Wildscape Update Marylee Thomason

Record breaking rain in October lead to a record low number of volunteer hours worked at the wildscape. We're just not as dedicated as the U.S. postal service or as well paid. Heavy rain keeps volunteers off the slopes.

Texas Tech's Katherine Hayhoe, whom Texas Monthly calls one of the country's most respected experts on global warming, says it's changes in weather patterns and not the hurricanes that brought us so much rain.

She predicts that Texas will have more frequent and more severe periods of rain and drought. One way to deal with this problem at your house or in larger landscapes is to build rain gardens at erosion sites.

That's exactly what is planned for the wildscape in an area down the hill from the Veterans Park amphitheater, where the recent downpours eroded places previously untouched.



Do not expect catchment ponds and water lilies. A rain garden is a low area that absorbs and filters runoff from hard surfaces such as roofs, sidewalks, driveways or steep slopes. The water collects in a shallow depression less than a foot deep and slowly soaks into the soil. Added compost and decomposed granite make the soil more absorbent. Native plants that can adapt to wet feet and long droughts clean the water and help it soak in.

[Learn more here.](#) One more demonstration feature proudly presented in the wildscape.

First Saturday Mini Class

The benches were full and anticipation was high, but the October speaker never arrived. It's rare, but it happens. Luckily for us, Brenda Townsend, National Science Education Center program coordinator for Grand Prairie, had come to work in the wildscape and stayed for the mini class. When invited, she enthusiastically agreed to tell about her work.

The Kirby Creek Nature Center's Exhibition Garden is a collaboration of the city and its public schools.



Kids work with an onsite environmental science instructor — Brenda — to learn about nature. Every student in the district visits the garden at least once in a year.

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Wildscape Update continued from page 11



Now in its sixth year, the garden is a “39 acre outdoor classroom, including the park and trails,” Brenda said. Besides the garden, there is a community vegetable plot maintained by volunteers and students.

Brenda prepares materials and creates videos for teachers to present to their students on their scheduled day in the garden. She circulates, helping out where needed. Sometimes the person needing the most help is the substitute who learned that morning that the class was going to Kirby Creek. She also sends suggested follow-up activities for use in the regular classroom.

Brenda is spearheading an effort to put recycling bins in every school in Grand Prairie. Some people may be interested in a

showing of the movie “Plastic Oceans.” Proceeds will benefit that goal.

Losing the scheduled speaker opened up a new world of activity in our neighboring city. Ann Knudsen expressed what we all were thinking. “Why don’t we have that in Arlington?”



Jane Oosterhuis and Josephine Keeney place limbs on slope to discourage climbers.

Viridian Townhome Project John Darling

For some weeks ACC board members have been wondering about large quantities of earth being moved along the west side of Highway 157. This activity has been occurring in the vicinity of the Viridian housing development, which lies to the east.

On October 7, I walked around the area, which was not posted, after parking near the entrance to River Legacy Park off 157. I saw that the southern edge of a large, flat-topped earthen mound extended almost to the park entrance road. Its western margin appeared to be adjacent to the park.

Two aspects of the project stood out: A number of small trees had been partially pushed over by the eroding western edge of the mound. And the root zones of many more of various sizes had been partially buried on their eastern sides. Also, the mound appeared to block the movement of rainwater within a large portion of the park.

On October 21, I sent requests for information about the project by email to nine city officials and a Viridian PR person. As of November 2, I have received two responses, both on October 22. One was from the president of the Nehemiah Company, which lists Viridian as one of its projects. That message did not address any of my questions. The other response came from Arlington Planning and Development; it contained this brief description of the project: **The proposed development on the almost 12 acre site, referred to as "Viridian Collins West" consists of 82 townhome units and is currently under staff review. The Development Plan does not require P&Z approval; it only requires Council approval under Consent Agenda (no public hearing). It has not been added to Council agenda yet, since Parks has not signed off on the easement request.**

A number of questions remain unanswered. At this point all I can think of is to offer you a look at some of the photographs. If they inspire you to ask your own questions, perhaps you will have better luck getting answers than I did.



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Viridian continued from page 13



Above, view to the west toward the park. Left, Looking north, park toward the left. Below, view to the southwest, park entrance road beyond flooded area at base of mound.



continued on page 15

Viridian continued from page 14



Above, looking south. Park at top and on the right. Right, view to the north from entrance road. Below, looking north, park toward the left.



On Black Friday ~ 11/23/2018

NATURE CRAWL

9:30

O. S. Gray Nature Area
2021 W. Abrams St.



10:15

The Wildscape in Veterans Park
2866 Spanish Trail



12:00

Southwest Nature Preserve
5201 Bowman Springs Rd



2:00

River Legacy
701 NW Green Oaks Blvd



Start at O.S. Gray at 9:30 a.m. Friday, Nov. 23, 2018 ~ Opt Outdoors ~ discover nature near you.
Arlington Park and Recreation Dept. - Facebook: Nature_Crawl www.jimdomke.com

Southwest Nature Preserve Jan Miller

Friends of SWNP Monthly Meeting

Free and open to the public

Tuesday, November 13, 6:30 pm

Texas Native Cats

Monica Morrison

Founder of Texas Native Cats, an organization based in Dallas that consists of volunteers, Master Naturalists, and others interested in acquainting Texans with their cat species

Many people are unaware of the great diversity of our felines, their habitats, physical characteristics, threats, and their important roles in maintaining natural health and diversity. In a state that has seen explosive population growth, Texas Native Cats presents the cats' struggles to cope with human influence and gives a voice to these amazing wild cats.

NOTE:

**This meeting will be one week earlier than usual, at an earlier time, and at a different location
Lake Arlington Public Library, 4000 W. Green Oaks, Arlington TX 76016**

For more information about Southwest Nature Preserve and to sign up for email updates, see www.swnp.org or e-mail info@swnp.org.

Friends of SWNP events and programs are free and open to the public.

Coming Up

Friday November 23

Opt Outside: Nature Crawl

A great alternative to Black Friday. Save the date! See pages 8 and 16 for more information.

Pollinator/Restoration Project Update

Like any project, SWNP's Pollinator Meadow exceeded expectations in some respects, less so in others. We didn't expect the truly crazy weather, or nearly so much Johnson grass, giant ragweed or KR bluestem. Just when we'd reconciled to disappointing wildflower production, a closer look this fall shows a great response in the seeded grasses. Also, the eastern crosstimbers ecotype big bluestem plantings survived the summer, with several in bloom! We didn't expect to mow this fall either, but due to all those weedy nonnatives, it's necessary so we're preparing for it now. To ensure a more diverse pollinator habitat next year, we'll be planting more natives, some as potted plants, plus more seed. Your help is really needed. Won't you join us?

In Case You Missed It Grace Darling



The Economic Costs of Global Warming

(By David Rising, Associated Press; in Valley Morning Star, October 28, 2018). A hot, dry summer has left German rivers and lakes at record low water levels, causing chaos for the inland shipping industry, environmental damage and billions of dollars in losses — a scenario that experts warn could portend the future as global temperatures rise. The drought-like conditions have hit nearly 90% of the country this year. With such widespread drought, Germany's agricultural industry is also struggling. There have been shortages of feed for livestock and the country's grain harvest is forecast to drop by 25% from the last 5 year average. "If you look at the overall economic effects, we're talking certainly in the double-digit billions," said an official in the Economic Ministry. Northern and eastern Germany saw their warmest summer ever recorded in 2018, and central Germany had its lowest rainfall ever, according to the German Weather Service, or DWD. "Climate change means not only an increase in average temperatures, but also in the increase of extreme events," said DWD Vice President Paul Becker. "This year's summer has been exceptional with its intensive drought and prolonged heat, but we expect an increase in such extreme periods in the future."

Organic Foods and Cancer (By Karen Kaplan, LA Times, October 28, 2018). A study of nearly 70,000 French adults who were tracked for an average of 4.5 years found that those who ate the most organic foods were less likely to develop certain kinds of cancer than the people who ate the least. "Further research is required to identify which specific factors are responsible for potential protective effects of organic food consumption on cancer risk," but the researchers have an idea about what factors those may be: pesticides. At least three of them — glyphosate, malathion and diazinon — probably cause cancer, and others may be carcinogenic as well. And there's evidence that those pesticides are metabolized in the body. The urine of people who eat few (if any) organic foods contains higher concentrations of chemicals derived from pesticides than the urine of people who eat organic food regularly. In the U.S., more than 9 out of 10 people have measurable amounts of pesticides in their urine or their blood, and these concentrations are known to fall when people switch from conventionally produced foods to organic ones.

No Rat Poison, Please.

(Facebook, 10/17/18, from Arlington): This beautiful Great Horned Owl showed up on my doorstep last month and died shortly after I found him. I gave his body to Fish and Game for necropsy. They called me today and said that he tested positive for rodenticide and that his whole body was bleeding on the inside. This is what happens when we poison mice and rats, other animals eat them and die. Fish and Game wants the neighborhood to know that if a bobcat or coyote found the owl first and ate him, they would have also died. So 3 creatures dead from one poison.



Our Vanishing Joshua Trees

(The Guardian US, September 25, 2018) America's national parks have warmed twice as fast as the U.S. average and could see some of the worst effects of climate change, according to a new study. They are particularly vulnerable because most of our park land is in areas that are heating up quicker: in the mountains, the Arctic, and the dry southwest. Most of Joshua Tree NP could become uninhabitable for its eponymous trees, glaciers will continue to melt away at Glacier NP, and many other of America's most treasured beauty spots could be rendered virtually unrecognizable by climate change, Patrick Gonzalez, lead author of the study, writes in the journal *Environmental Research Letters*. The [study](#) finds that temperatures in national parks could go up 3° to 9°C by 2100, under the Intergovernmental Panel on Climate Change's worst-case scenario, which shows what could happen without policies to decrease greenhouse gas pollution.

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Phone	_____	Supporting	\$40.00	Renewing member ☐
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		Lifetime Individual	\$250.00	
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OUR
NEW
VENUE**

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 PO Box 216
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**NOTE
OUR
NEW
VENUE**

November Meeting
Wednesday, November 7, 7 pm

George W. Hawkes Downtown Library
3rd floor, Excellence Multipurpose Room
100 S Center Street

Sustainable Building
Gary Gene Olp

