

October 2015

Garden Beet

MASTER GARDENER ASSOCIATION OF TIPPECANOE COUNTY



From Two Js

Hello Master Gardeners, fall is here and it is time to clean up our gardens. Some of you may want to plant vegetables that flourish during the cooler days just prior to winter. And others may want to completely clean the garden and have it ready for tilling in the spring. Either way it takes a motivated gardener to accomplish the dirty work.

We have some really exciting things to look forward to this year. We will be celebrating our organization's 25th year at the October meeting. Yes, there are still a few of those really senior gardeners around, and you will meet many of them October 6, 2015.

In 2016 our club will be hosting the State Master Gardener Conference here in Tippecanoe County. Everyone will have an opportunity to show their gardening skills and let others see how good we are at serving the Tippecanoe County community. Volunteering is a key element in our organizational strategy of benefitting others.

We must not forget that our club dues were due September 1, 2015. As of this writing, 54 percent have paid their dues and are

ready to accept the responsibilities of membership. Call your friend who does not attend our meetings and consequently fails to get the word. Tell them that dues were due September 1st and they need to be paid to continue to be a member of our organization. If they have questions about the form, have them contact Billie Seaton at 765-490-4948.

Karen Mitchell has convened a new enthusiastic Master Gardener class that is eager to learn about gardening and put their knowledge to work. We have invited them to attend our Master Gardener meetings for the remainder of 2015 in an effort to permit them to get to know us better. After their graduation we hope they will want to join the MGATC. Please remember to wear your name tag to the meetings to help the new people get to know you by name.

Dealing with the age-old question of how to encourage able-bodied members to volunteer to do work in the gardens will no doubt continue to be a goal that will preoccupy the leadership of the MGATC. And it really needs to be of great concern to all the clubs members. We touch a lot of people's hearts

every day with all of our programs providing an opportunity to volunteer. Our members contribute greatly to the common welfare by continuing to serve our communities. We all need to be leaders and set the example of volunteering to help others in Tippecanoe County.

The Two Js are enthusiastically looking forward to all challenges during the next two years. We know as a team there is no goal that our MGATC cannot accomplish. It is our pleasure to serve.

Jerry and John

Programs

**October 6 • 7 p.m. • TCEO
6:30 p.m. Social Time
Rosie Lerner
Purdue Extension Consumer
Horticulture Specialist**

Rosie Lerner will be our speaker as we are celebrating our 25th year as an organization. Rosie will speak on the evolution of the Master Gardener Association in Indiana and Tippecanoe County.

**November 3 • 7 p.m. • TCEO
6:30 p.m. Social Time
Ken Murray
Indiana Bluebird Society**

Please submit items for the *Garden Beet* to MGATCGardenBeet@gmail.com by the 15th of the month for the next month's issue.

<http://tippecanoemastergardener.org>

<http://www.hort.purdue.edu/mg/index.html>

MGATC Minutes: Sept 1, 2015, 6 p.m., TCEO

The evening started with the Hoedown pitch-in dinner. Don Nead gave the blessing before dinner.

After dinner, Cheryl McCool introduced Karen Mitchell. Karen reminded everyone that application forms were available at the meeting and dues are due by month end. She will also need to see a photo I.D. if she has not seen it already. She also announced that the new MG class starts Wednesday, September 2. Classes will be every Wednesday (with the exception of Thanksgiving week) from 6 p.m. to 9 p.m. and there are still openings.

Cheryl McCool then introduced Andy Hughes. Andy is our MGATC webmaster and he gave a detailed presentation of the new website. He demonstrated how to navigate through the site, reviewing the garden projects, events, contact information and the "For MGATC Members" section of the site. He noted that the password for the MGATC members section is listed in the front of the membership directory. Andy's informative presentation ended at 7:45 p.m.

Cheryl McCool then turned the meeting over to John Pickett and Jerry Millard, the new Co-Presidents.

John Pickett called the meeting to order and thanked Joanne Liphard and the Social Committee for such a wonderful job putting together the Hoedown dinner. He also thanked everyone for bringing such great food for the occasion.

John then asked for the August meeting minutes to be approved as printed in the *Garden Beet*. There was one correction - to add the names of the new officers to the minutes. The new officers are:

Co-Presidents: Jerry Millard and John Pickett

Co-Vice Presidents: Cheryl

McCool and Carol Byers

Treasurer: Pat Miller

Recording Secretary: Jan Sadler

Corresponding Secretary: Dee Dilling

Member at Large: Debbie Ladd

The minutes were then approved as amended.

Billie Seaton then gave a report on dues and membership. She reported that about half of the members have paid their dues. For those who have not yet paid, they need to complete the application form and mail it to Billie. Everyone was reminded that anyone not paying their dues by November 1 will no longer be considered a member of the MGATC.

Pat Miller then gave the Treasurer's report noting that there is over \$14,000 in the checking account and over \$10,000 in the Vanguard account. Pat thanked Lynn Layden for preparing this month's report prior to turning over the position of Treasurer to her.

Carl Stafford asked that everyone turn in their volunteer/education hours to him in a timely manner. An editable form is available from the website.

Joanne Liphard thanked everyone for preparing such a wonderful dinner. For future events, she also reminded everyone to bring a serving utensil along with their dishes. She mentioned that the popcorn and containers on the tables could be taken home if wanted.

Mickey Penrod thanked everyone who has worked in the display gardens, noting that there are still volunteer hours available - weeding in the display gardens, helping with the Iris Garden and Succulent Garden; and there are still beds available to be adopted.

September 23 has been designated as the day to clean up beds in the gardens and think about getting them prepared for next year. The Community Gardens were in great shape for the open house. Barb and Chuck Bunnell have planted irises in 1A of the Community Gardens and all are labeled.

Elizabeth Hartley gave an update on the 2016 state conference to be held here in Lafayette. Things are moving along - speakers have committed and lots of planning has already begun. The next planning meeting is scheduled for 7 p.m. on September 15 at the TCEO; there will be plenty of volunteer opportunities as many volunteers will be needed for this huge event. There is a need for someone to help John Orick work with hosting the speakers for the conference. If anyone is interested, they should contact John Orick. His contact information is in the membership directory. As a reminder, the dates for the state conference are June 16, 17, and 18, 2016.



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MGATC Board: Sept 10, 2015, 7 p.m., TCEO

Present for the meeting were John Pickett, Jerry Millard, Cheryl McCool, Pat Miller, Carol Byers, Karen Mitchell, Debbie Ladd, Jan Sadler, and Lynn Layden.

Jerry Millard recommended setting up a Communications Committee consisting of Andy Hughes as Chair (Webmaster), Jerry Millard (author of "Where and How"), Billie Seaton (membership dues), Kristel Kaye (membership directory), Chris Ramsey (*Garden Beet*), Tonia Kasica (mails *Garden Beet*), Cheryl Borst (publicity), Paul Niles (photography), Ed Bisker (Facebook), and Karen Mitchell (advisor). The purpose of this committee is to make sure that all parties are kept informed of pertinent details on a regular basis. Angela Rainwater was added to this list as she handles email communication. The addition of this committee was approved unanimously. Andy Hughes will be asked to contact other members of the new committee.

Pat Miller reported that she had just received the Treasurer's records but will have a report ready for the next meeting. It was determined that additional signers are needed for the bank accounts. A motion was made to add Cheryl McCool and Carol Byers as signers along with Jerry Millard and Pat Miller. The motion was seconded and approved unanimously.

It was reported that so far 88 members have paid their dues. A message stressing that dues be paid on time will be included in the next *Garden Beet*. Email reminders will be sent again in mid-October and after November 1 no more reminders will be sent.

Lynn Layden then discussed the implementation of Amazon Smiles. Amazon users log into smile.amazon.com and pick a charity. At the end of each quarter the charity would receive a half cent of each dollar spent from any sales for which that particular charity is designated. Lynn Layden has set up MGATC as a designated charity. She will explain the program to the members at the October MGATC meeting.

Greeting cards were brought to the meeting for Dee Dilling who is the Corresponding Secretary. Jerry Millard will see that the cards are delivered to Dee.

There will be a public planning meeting for the 2016 state conference held at 7 p.m. on Tuesday, September 15 at the TCEO.

John Pickett stated that he believes that the MGATC needs to keep historical records of important events, projects, etc. He asked Nancy Werner to attend the meeting in hopes that she could chair such a committee. She was unable to attend but he will contact her to determine what records she already has. It was believed that Ann Hunt has a record of scholarship winners which is important information to keep track of.

The Board then discussed the procedure to follow for reinstatement of membership if dues are not paid by November 1. A motion was made as follows: In the event a member fails to pay dues within the stated period that membership lapses for the membership year, the member may apply for membership in the following year

by paying dues. This procedure was approved.

Karen Mitchell discussed the use of pesticides in the gardens and will formulate a list of allowable pesticides. She will prepare a protocol to follow and will discuss it at a future meeting.

It was noted that the new MG class has started and the Board agreed that the students could volunteer before the class finishes but would need to work with a current Master Gardener. Also, students will be given access to the *Garden Beet*.

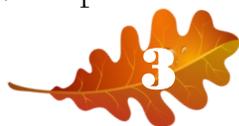
The meeting was adjourned at 8:40 p.m.

Respectfully submitted,
Jan Sadler, Recording Secretary

Beet Hummus

2 small (3 oz.) cooked, peeled beets, roughly chopped, can use canned
2 cans no-salt-added chickpeas, drained and rinsed
1/3 c. tahini
2 garlic cloves, chopped
1/4 c. lemon juice
1/4 t. fine sea salt
Pinch cayenne pepper

Combine all ingredients in a food processor and process until very smooth, 2 to 3 minutes, stopping occasionally to scrape down the sides of the bowl. Chill and store in the refrigerator for up to 3 days or freeze for longer storage. Enjoy with pita chips, sliced cucumber, celery, or on crostini with goat cheese and shaved mint.



The Latest Dirt

by Flora N. Fauna

 Diane Blazek, writing for National Garden Bureau, offers the top 10 favorite tulip varieties for your garden. “These tried and true performers have proven themselves to be strong growers and excellent bloomers that can weather a wide range of climates and growing conditions. Here are 10 classic tulip varieties to plant this fall. 1. Carnival de Nice: A double late tulip introduced in 1953. Layers of gently cupped, snow-white petals feature raspberry-red stripes. Foliage has cream-colored edges. There’s simply no other tulip like it. Gorgeous in a vase. Fragrant. 16-20” tall. Holds an Award of Garden Merit (AGM) from the Royal Horticultural Society. 2. Olympic Flame: A Darwin hybrid introduced in 1971. Big, goblet-shaped blossoms have bright yellow petals brushed with crimson inside and out. Great curb appeal. Like all Darwin Hybrids, Olympic Flame blooms in mid-spring. Height is 18”. AGM. 3. Oxford: Introduced in 1945. Many consider Oxford the world’s best red Darwin Hybrid tulip. The glossy, bright red petals have a golden yellow base and jet-black center. Impressive height and bearing. Fragrant. 20” tall. AGM. 4. Pink Impression: A Darwin hybrid introduced in 1979. The extra-large, egg shaped flowers are rose pink at the base and pale pink on top, often with hints of apricot, pale green or lavender, depending on the light. A great choice for perennial gardens. 20” tall. AGM. 5. Princess Irene: A midseason triumph tulip introduced in 1949. Mango-colored petals feature dusky purple flames. Sturdy and

weatherproof flowers smell like orange zest. Named for the sister of Holland’s Queen Beatrix. Height is 12-14”. AGM. 6. Purple Flag: Introduced in 1983. Triumph tulips are known for their lovely colors. This one is a good, strong purple with a creamy white base. Makes an ideal partner for almost any other tulip. Stunning in bouquets. 18” tall. 7. Queen of Night: A single late tulip introduced in 1944. Queen of Night is the world’s darkest tulip. Its petals are maroon with a high gloss shine. Dramatic and very long lasting. Heat tolerant, too. 18-20” tall. 8. Red Emperor: An early-blooming Fosteriana tulip introduced in 1931. Also known as Madame Lefeber. Its deep red flowers are tall and slender, and open wide on sunny days to display a jet-black center. Grows well in containers. Height is 18”. 9. Toronto: An early blooming Greigii tulip introduced in 1963. Each bulb produces a bouquet of 3 to 5 blossoms, which makes this an excellent cut flower. Coral-red petals and decorative foliage. Height is 14-16”. AGM. Black Parrot: Parrot tulip introduced in 1937. These large and expressive flowers are deep burgundy on the outside and almost black inside. Protect them from wind and hot sunlight. Magical in a vase. 18” tall.”

 Scuba Divers Build a Vegetable Garden Under the Sea: “Tough drought conditions in parts of the U.S. make growing fruits and vegetables an increasing challenge for farmers. To tackle this widespread issue, a group of divers are leading a new venture to test whether farming underwater could be a viable alternative. ‘Nemo’s Garden,’ a project started by the Italy-

based Ocean Reef Group, was built as small transparent balloons in the Mediterranean Sea to test the idea. Inside the structures, developers installed a ring of vases with seeds to see how they would grow. Read the whole story at <http://www.foxnews.com/science/2015/07/24/scuba-divers-build-vegetable-garden-under-sea/>.

 The following is from Friends of Old Bulbs Gazette, the September newsletter of Old House Gardens, entitled “Autumn is the ‘Real Spring.’ Although the Czech writer Karel Capek (1890-1938) is best known today for coining the word ‘robot,’ he was also an outspoken anti-fascist and an avid gardener. In his 1929 classic *The Gardener’s Year* he writes: ‘While we only look at Nature it is fairly true to say that autumn is the end of the year; but still more true is that autumn is the beginning of the year. It is a popular opinion that in autumn leaves fall off, and I really cannot deny it; I assert only that in a certain deeper sense autumn is the time when in fact the leaves bud. Leaves wither because winter begins; but they also wither because spring is already beginning, because new buds are being made, as tiny as percussion caps out of which the spring will crack. It is an optical illusion that trees and bushes are naked in autumn; they are, in fact, sprinkled over with everything that will unpack and unroll in spring. It is only an optical illusion that my flowers die in autumn; for in reality they are born. We say that Nature rests, yet she is working like mad. She

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Et Cetera

Dues are Due!

A friendly reminder: club dues were due September 1, 2015. The form needed is available on our website. Please complete the form, print, attach payment, and mail to Billie Seaton. The mailing address is listed on the bottom of the form.

Billie Seaton
Membership Chairman

A Must Read

On page 32 in the fall issue of the *Lafayette* magazine is a great article about one of our Master Gardeners. The home and property of Kristel Kaye is featured. It is an absolute dream home, complimented by property that projects relaxation in every corner. This is an article that you will enjoy reading.

Jerry Millard
Co-President MGATC

Seeds, Seeds, Seeds

It's once again time to collect seeds for the Seeds for Scholarship Committee. Please turn them in at any MG meeting. Remember, the time you spend collecting and packaging the seeds counts for MG hours. Don't forget to include the form which is located on the MG web page at: <http://tippecanoeastergardener.org>. Please include as much information as possible.

Barb Almanza, Pat Miller,
☺ *Chris Ramsey*

Sowers Who Sew

There has been a good response to the plea for volunteers to sew cooler ties for the 2016 state conference. A few more would help! We will aim to cut out items in October and have them ready to fill and seal by February. Sheila Koller, Gerry Arney, and Viola Jones have fabric to donate, so we should only have to purchase the costly crystals which are about 75 cents per item. Please call or email Sheila if you are willing to sew about 20 of the ties. Thank you!

Correction

The note that was attached to the *TERP* article on page 7 of the September *Garden Beet* has surfaced. It was Sheila, our Maryland connection, who sent me the information, not Esther Chosnek. I apologize if this caused any problems.

Chris Ramsey

Amazon Smile

In 2014, the Executive Board decided to begin the process of becoming a recipient of funds from Amazon purchases, a program known as Amazon Smile. Any user of Amazon's shopping service can log onto Smile.Amazon.com and register their preference for a charitable organization. Then a half cent of each dollar spent is donated to that organization. There are some limitations, but the majority of

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Garden Gossip

Columbian Park Zoo

Thank you to the Master Gardeners who volunteer at the zoo each week from April-September for gardening days at the zoo. They enjoy the animals during the quiet time in the morning as well as gardening all over the zoo, mostly in the Butterfly Garden. This was our sixth season. It would not be the same without our volunteer gardeners. Stop by and see the commemorative brick in the courtyard inside the zoo entrance honoring long time Master Gardener zoo volunteer, John Reece, dedicated by the zoo staff.

Linda Cooper

Canal Park Gardeners

This was our third season for Master Gardeners helping at Canal Park in Delphi. If you have not been there, fall is a great time to stop by and ride a real canal boat, see the museum about the canal days and enjoy the park and gardens. October 17 from 10-4 is the Harvest Festival at the park with lots of activities for the whole family. Thanks to all Master Gardeners and non-Master Gardeners who helped to make the gardens beautiful. This season we added two gardens at the Gray Bridge, a Medicinal Plants Garden and a Butterfly Garden. We now care for 10 gardens there. Come join us next season.



Minutes

(continued from page 2)

The following announcements were made:

- John Pickett asked to meet with the new Board at the end of the meeting for a brief meeting. He also noted that Board Meetings are open to everyone.
- Sheila Koller asked for volunteers to help make 250 to 300 arctic ties for the welcome bags for the 2016 state conference. She said some people have donated fabric and she has a few volunteers to help sew but she needs three or four more. Please contact her if interested.
- Sue Swick announced that there are day lilies available by the front entrance from Jan Hansel's gardens. Also available are additional popcorn bowls, free for the taking.
- Dee Dilling, Corresponding Secretary, stated that she does not have email. If you are aware of any get well cards, sympathy cards, thank you cards, etc. that should be sent, please contact her by telephone or through Jerry Millard so that she can send the cards promptly.

Jerry Millard then discussed the following:

- 1) The importance of paying dues on time. Dues are actually due by September 1 but a 60-day grace period is given before you are removed from the membership. Please pay dues promptly.
- 2) The importance of volunteering. Our organization depends on volunteers and there is something for everyone, whether it be paperwork, digging in

the gardens, etc. It takes everyone working together to get things done. Please volunteer when you can.

- 3) The importance of social interaction. Not only seeing others and interacting with them, but getting to know them by name. Please make a conscious effort to remember to wear your name badges, not only to meetings but when working in the gardens and other MG functions.

The meeting was adjourned at 8:20 p.m.

Respectfully submitted,
Jan Sadler, Recording Secretary

Etc.

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products on Amazon are available on Amazon Smile. Each quarter, the total sales receipts are calculated and our checking account will receive a payment from Amazon.

Many of us are regular users of Amazon and with the holiday season approaching, will probably be watching their internet specials. If you can take the time to log on to smile.amazon.com and register your choice of charity as the Master Gardener Association of Tippecanoe County, Inc. we will become the beneficiary of your shopping. There is no extra charge added to prices on Amazon Smile, nor does Amazon tell us who has been shopping. Thank you in advance for helping to fund the budget of MGATC.

Latest Dirt

(continued from page 4)

has only shut up shop and pulled the shutters down, but behind them she is unpacking new goods, and the shelves are becoming so full that they bend under the load. This is the real spring; what is not done now will not be done in April.”

 This bit of news is about the Easy Arranger, a simple gadget that makes flower arranging a snap. Fresh, local, and almost free bouquets from your own backyard are one of the great pleasures of gardening. Design them with the Easy Arranger: a grid of woven, powdered-coated wire that fits over the top of a vase and holds flowers upright and in place. It is all but invisible and comes in different sizes to accommodate different sized vases. Grommet sells the original by Annabelle Noel Designs and supports its mission to launch innovative household products designed and manufactured by women. Its founder Anne Cork tapped her jewelry-making skills to create Easy Arranger after being inspired by the tape grids she saw florists using to hold their flowers in place. Find it at <https://www.thegrommet.com/> by typing in “Easy Arranger.”



If words were leaves, would you prefer fall or spring?

~Jarod Kintz



What's Happening

WL Tree Friends

The West Lafayette Tree Friends was founded in 1981 to focus efforts on raising money to provide trees for city streets. Our current inventory is approximately 10,000 trees planted in the tree lawns in most of our neighborhoods. There are 600 ash trees which will be gone in the next few years, so our focus is to replant with a variety of trees. We try to care for the newly planted trees by carefully shaping and staking them, watering them in times of drought, and renewing their mulch yearly. We are preparing for a major planting this fall in Black Bird Farms where we will begin planting 100 trees, all native to Indiana. We will be working with the homeowners who selected the species they wanted for their tree lawns.

Our group is informal and meets monthly on the second Tuesday at noon - usually at the West Lafayette Public Library. We decide where the greatest need for our volunteer work is currently and put together schedules for pruning and tree work. We need people who are interested in city trees - we can help volunteers gain pruning knowledge and experience. For Tree Friends who are not up to pruning, we have lots of other jobs including writing articles for our bi-monthly newsletter, *Urban Leaves*, contacting homeowners about trees, and public education in our West Lafayette Farmer's Market booth. If you are interested in being part of our friendly Tree Friends, please contact Lynn Layden at laydenlm@gmail.com or 463-2242.

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Fall 2015 Pruning Schedule

Fridays from 9 to 11 a.m.

- 09/18 - Amberleigh Village, weeding and stake pulling with student volunteers. Meet at the intersection of Cinnabar and Humboldt.
- 09/25 - Boone and LaGrange. Meet at that intersection.
- 10/02 - Putnam, maybe Morgan. Meet at Putnam and Hamilton.
- 10/09 - Crawford, Noble, maybe Warrick, and Pike. Meet at Crawford and LaGrange.
- 10/16 - Covington. Meet at Covington and LaGrange.
- 10/23 - South Tapawingo, prune back honeysuckle and trees with student volunteers. Meet at State and Tapawingo.
- 10/30 - North Salisbury and maybe some of Kent. Meet at Kent and Salisbury.
- 11/06 - North Salisbury. Meet at Cumberland Park across from LaGrange.

Nature will bear
the closest
inspection. She
invites us to
lay our eye
level with her
smallest leaf
and take an
insect view
of its plain.

~Henry David Thoreau



Grilled Beet Sliders with Guacamole and Mango Salsa

Sliders:

Cooked beets, sliced into 1/2-thick rounds, enough for six sliders
Olive oil
6 slider buns, grilled

Guacamole:

1 large ripe avocado, peeled
2 T. fresh lime juice
1 jalapeño, seeded and finely chopped
1 clove garlic, minced
3 T. red onion, finely chopped
1/8 to 1/4 t. fine sea salt, to taste

Mango Salsa:

1 large ripe mango, cored and chopped
1 jalapeño, seeded and finely chopped
1/3 c. red onion, finely chopped
2 T. fresh lime juice

Add all of the ingredients for the guacamole to a small bowl and mash using a fork until it reaches desired consistency. Cover and refrigerate until ready to use. Add all of the ingredients for the mango salsa to a bowl and stir well. Cover and refrigerate until ready to use. Preheat the grill to medium-high and spray it with cooking spray. Slice the beets into 1/2-inch thick rounds and lightly brush or spray both sides with olive oil or canola oil. Grill beet slices for 2 to 3 minutes per side, or until charred and hot. Lightly spray or butter the slider buns and grill until they reach desired crispness, about 2 minutes. Assemble the sliders by adding the desired amount of guacamole, sliced grilled beets, and mango salsa to each slider bun.

Happening (continued from page 7)

Wednesdays in The Wild

Sept 30 • 1-3 p.m. • LNC
Bird Watching Tips & Photo Poems
Barb Lucas

Barb (passionate birdwatcher for decades) will present beautiful bird photo poems while sharing some "Birding 101" information. The indoor presentation will be followed by practicing with Sycamore Audubon's binoculars outside, weather permitting.

Oct 7 • 1-3 p.m. • STPK
Prophetstown Fen Nature Preserve Hike
Tom Swinford

Join Tom (Assistant Director & Ecologist for IDNR's Division of Nature Preserves) for an introduction to the beautiful world of fens: unique wetland communities which are dependent on groundwater. \$2/person program fee (gate fee is waived). Meet at the Prairie View Picnic Area - Blazingstar shelter.

Oct 14 • 1-3 p.m. • IC/NICHES
Indian Creek Fall Color Hike
Bob Easter

Join Bob (NICHES Land Trust Stewardship Manager) for a walk at Indian Creek Basin to view the beautiful fall colors of the surrounding hills, and talk about the challenges of managing properties in the Wabash floodplain. Bob will read a short historical account from local pioneer historian Sanford. C. Cox, who tells of a "truly fearful adventure" that he experienced in June of 1835 in the very "Indian Hills" whose foliage we will be admiring. Bring binoculars for some long distance tree identification. A carpool leaves LNC at 12:30 p.m.

Oct 21 • 1-3 p.m. • LNC
Migration: A Twice a Year Birding Extravaganza!
Susan Ulrich

Susan (avid birder and naturalist) gives an indoor waterfowl and fall migrant talk followed by a birding walk around the marsh. Plan to bring your binoculars.

Oct 28 • 7-9 p.m. • LNC
The Savage Garden: Growing Carnivorous Plants
Doug Osman

Found in nearly every region of the world, carnivorous plants must supplement their nutritional needs by luring, capturing, and consuming insects in a variety of clever ways. Doug (from Purdue's Brian Lamb School of Communication) will introduce us to a variety of these plants and show us how to grow them at home.

Nov 4 • 5:10-6:10 p.m. • J-P
November Crane Experience
Gus Nyberg

Join Gus (NICHES Executive Director) at the Jasper-Pulaski Sandhill Crane Tower to watch the largest gathering of Greater Sandhill Cranes in the world. Meet at the crane tower at 5:10 p.m. ET (4:10 p.m. CT) to watch the cranes fly in for the night. A carpool leaves from the Battlefield Monument parking lot at 4:10 p.m.

LOCATIONS:

IC/NICHES (Indian Creek Basin): Meet at 1 p.m. in the property parking lot. Visit www.nicheslandtrust.org for directions.

J-P (Jasper-Pulaski Fish & Wildlife Area): Meet at 5:10 p.m. ET at the crane tower (5822 North Fish & Wildlife Lane, Medaryville).

LNC (Lilly Nature Center/Celery Bog Nature Area): In West Lafayette on the north side of Lindberg Road between Northwestern Avenue and McCormick Road.

STPK (Prophetstown State Park): Enter the park via Swisher Road (off North Ninth Street, just south of Battle Ground).

In the summer
heat the
reapers say,
"We have seen
her dancing
with the
autumn leaves,
and we saw a
drift of snow
in her hair."

~Kahlil Gibran

RIP Squad

The fall RIP (Remove Invasive Plants) Squad volunteer workdays are Tuesdays and Thursdays from 3-5 p.m. from October 6 through November 12. Long sleeves, long pants, gloves, and boots are recommended. They will be cutting/lopping/sawing invasive shrubs, and then immediately spraying the cut stumps with herbicide. Bring loppers if you have them. The herbicide will be provided.

Tuesdays, October 6, 13, 20, and 27 and November 3 and 10 we will be at Prophet's Rock Woods removing bush honeysuckle and burning bush.

Thursdays, October 8, 15, 22, and 29 and November 5 and 12 we will be at Ross Hills Park removing bush honeysuckle.

For more information or if the weather is iffy (we do not work in hard rain or thunderstorms) contact Patty Rader at 765-463-3050 or patricia.w.rader@gmail.com.



Herb Bed

(continued from back)

green color. Carotenoids produce yellow and orange colors in the leaves of Norway maple, Ohio buckeye, yellow poplar, sycamore, birch, hickory, ash, aspen, and many other trees. Anthocyanins are responsible for the pink and purple colors in the leaves of sugar and red maple, sassafras, sumac, oak, winged euonymus, dogwood, sourwood, and many other woody plants. Tannins are responsible for the brown hues in the leaves of some oaks and other trees. The golden yellow in the beech tree is a result of tannins being present along with the yellow carotenoid pigments.

During the growing season, chlorophyll is continually being produced and broken down so leaves appear green. As nights become longer in the fall, chlorophyll production slows down, stops, and eventually all the chlorophyll is destroyed. The other colors, those of the carotenoids and anthocyanins, become visible, although they were present in the leaf all the time but overshadowed by the green of chlorophyll. Like chlorophyll, the other pigments eventually break down in light or when they are frozen, leaving only the tannins, which are brown.

Think of that unripe, green banana on the grocery store's shelf. It is the chlorophyll in the fruit that gives it that color. As the banana ripens, the chlorophyll breaks down and disappears, revealing the yellow color that was there all along. This process is the same process that reveals the true colors of leaves in autumn.

Length of Night: Deciduous trees and shrubs are sensitive to the length of night. As days begin to get shorter and nights are longer, there comes a time when the nights are just long enough to cause cells near the juncture of the leaf and the stem to divide rapidly without expanding. This blocks transport of materials such as carbohydrates from the leaf to the branch. It also blocks the flow of minerals from the roots into the leaves. Because the starting time of the whole process is dependent on length of night, fall colors appear at about the same time each year in a given location, whether temperatures are cooler or warmer than normal.

Knock, Knock!
Who's there?
Lettuce.

Lettuce who?
Lettuce in; it's cold out here!

Weather: Intensity of color in any particular autumn season is related to the weather conditions that occur before and during the time the chlorophyll is diminishing. Temperature, moisture, and quality of sunlight are the main influences on color concentration, while genetic traits of the tree, site characteristics, and latitude and altitude also play a role. Under normal conditions, when there is an extended period of cool nighttime temperatures, red or purple pigments develop in the leaves to bring out more intense fall colors in trees. Also, bright sunny days allow the leaves to trap the sugars from the dwindling chlorophyll to create intense color.

And calm days extend our viewing time that stormy and windy days decrease by forcing leaves to fall prematurely.

Knock, Knock!
Who's there?
Turnip.
Turnip who?
Turnip the heat, please.

A warm, wet spring, favorable summer weather, and warm sunny fall days with cool nights with temperatures below 45 degrees F. but above freezing should produce the most brilliant autumn colors. Since our summer consisted of flood and drought - neither of the two favorable conditions - our prospects for intense color may be greatly diminished or arriving off schedule. We will soon know.

Over the last few years, the Indiana Office of Tourism Development has hosted a Leaf Cam, streaming live images from three Indiana locations. This service allowed people to view the changing colors of autumn leaves from their computers. I have been checking the site, but, as yet, it is not running this year. I would encourage us to continue checking to view the spectacular colors of Indiana's trees from mid-October through mid-November at www.visitindiana.com and typing in leafcam.

Knock, Knock!
Who's there?
Beet.
Beet Who?
This current edition of the
Garden Beet, who else?



The Herb Bed

by Connie Kingman

National Knock-Knock Jokes Day falls on October 31. You may be thinking, "What does this have to do with growing things?" Well, let's pretend our trees are asking the question.

Knock, Knock!
Who's there?
Bean.
Bean who?
Bean a while since our
leaves have changed.

Yes, a whole year, in fact. But October, one of the most colorful months, by far, due to the won-

der of photosynthesis, has finally arrived. This is the month to notice our trees, those stalwart anchors of our gardens and landscapes. Don't worry about overlooking them, for they will soon shout and flaunt so much color that it will be impossible for us to ignore them.

Knock, Knock!
Who's there?
Carrot.
Carrot who?
Do you carrot all about us?

Of course, we do. We have cared for you all year long, and now you will amaze us with your an-

nual exhibition of color-changing leaves. There are multiple factors that cause leaves to change from green to gold, which happens as the days grow shorter and the trees prepare for winter. Scientists continue to search for all the complicated details of spectacular color displays, but they have identified three factors known to affect the phenomenon: leaf pigments, length of night, and weather.

Leaf Pigments: Four leaf pigments play a role in autumn leaf color: chlorophyll, carotenoids, anthocyanins, and tannins. Chlorophyll gives leaves their basic

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