



GARDEN BUZZZZZ



Volume 25 Issue 11 Central Alabama Master Gardener Association

November 2016

Message from: Rhona Watson
CAMGA President



Finally it is cooling off, and it is almost time for my Japanese maples to start putting on their fall show. I attended the fall conference in Birmingham last month and learned a few things about maples and the many forms and varieties that are available. One of the things he said that impressed me is that if you want impressive fall color in Alabama, Japanese Maples are the way to go. They should put on a good display even with the drought.

November is my month for raking leaves, and making compost. I also prepare any new beds I will use in the spring. This year I am going to try something different.

Instead of using shredded leaves, compost, and sphagnum moss to prepare the bed, I am going to plant a cover crop of clover, and radishes. I am also trying an idea from "Gaia's Garden", instead of a square vegetable bed, I am preparing a keyhole garden. The book is written by, Toby Hemenway our speaker for the February seminar.

Thanks to Lee, Jane, and Amanda for their presentation on Permaculture. I have gone from knowing nothing about the subject, to getting a grasp of the basics. There is a lot of interest in the horticulture community.

Jane and I went to Petals from the Past, and heard a presentation from an expert from Tennessee talk about the reasoning behind it, and how to get started. We then went to where Petals is starting their own permaculture area.

Save the date December 20th, for our Christmas party. There will be no charge this year, just bring a salad, vegetable, or desert, and the association will supply ham and turkey. All you have to do is let Anida know you are attending, and what you plan to bring.

This is a thank you for all that we have accomplished this year, so come celebrate. We will also be swearing in the 2017 officers, and they will appreciate your support.

Table of Contents:

Message from Rhona.....	1-2
Message from Mallory.....	3
Minutes.....	4-5
Spotlight on Volunteers.....	6
Permaculture.....	7-8
Learning Garden.....	9
Lunch & Learn.....	10-11
Mansion Report.....	12
Programs Update.....	13
October Pictures.....	14
Upcoming programs.....	15-16
November Calendar.....	17



Message from: Rhona Watson
CAMGA President — (Continued)

The picture this month is a bike plant stand I planted in the spring and it is looking its best now. In the back is a basket with purple million bells, a firecracker plant, and a purple angelonia.

On the seat is a Fukien Tea Bonsai, and in the front basket are anemone. There are also pink Japanese anemone blooming around the tree. The anemone are one of the last things to come back in the spring, sometimes there will be no foliage until May. They are worth the wait, for the show they put on in September and October. Now is the perfect time to plant perennials, shrubs, and trees, they love the great weather, just like us.

YOUR FAVORITE GARDEN SHOULD BE YOUR OWN

Rhona



Rhona's Garden
Featuring her Bike Plant Stand

Message from Mallory

Mallory Kelley

Regional Extension Agent — Home Grounds, Gardens, Home Pests

What Makes Beautiful Fall Foliage?

Fall weather in Central Alabama has finally arrived. There is nothing like those first few cool crisp mornings after the long hot summer months. As we all know, our September and October can often times be just as hot as August. Looking around the last few days I am starting to see the first few vibrant colors of fall foliage.



The initial plant that tells me fall is here is the terribly invasive popcorn tree! It is almost guaranteed to have a showy year! You will start to notice them along fence rows and out in pastures along the road sides. That is one great characteristic of this plant is its beautiful fall color.

We have been so dry this year, many trees are dropping brown leaves to the ground due to drought and if the trend continues, we may have very little fall color in the foliage this year, but we will have to wait and see.

Many times I am asked to make a fall foliage prediction for Alabama. To explain how to make an accurate fall color prediction let me remind you of the days in science class. The green color in leaves that we see all throughout the spring and summer is chlorophyll. Photosynthesis, the food-making process in the plant, takes place in the green, chlorophyll-containing leaves. As the day length changes and the amount of sun available to the leaves for photosynthesis begins to decrease. The living plant cells do not receive food and as a result, they change colors and then eventually die and fall to the ground.

As daylight hours shorten and temperatures drop, chlorophyll breaks down and disappears allowing the yellow color (which has been there all along) to show through. The potential for the yellow color has always been there, just covered up by the green chlorophyll. So now you know that the leaves do not actually change colors by magic, but rather by a chemical process in the plant that cause chlorophyll (the green color) to break down. So when someone asks you your projection for the fall colors this year, you can always say with certainty that it will be a great year for yellows! Now, what is it that brings along the amazing shades of red and orange that we all love to see in the fall of the year?

While the process of photosynthesis is decreasing due to light changes causing yellow to appear, other chemical changes cause red, orange or even purple pigments to form. This is what gives plants such as dogwoods, sumacs, sweet gums, and other trees their red to purple fall colors. Sugar maples take on a fiery orange color, hickories will only show yellow colors, while oaks are primarily reddish brown to brown.

So what triggers leaves to form the beautiful shades of red, orange, and even purple? Warm sunny days with cool night temperatures, especially below 45 degrees. While we have not quite gotten down to 45 degrees, the nights in the 50's are definitely starting the process. These day and night temperatures tend to raise the level of red coloration. The cool night temperatures trap the sugars produced during the warm sunny day inside the leaves.

The interesting thing about fall color is that it can vary from tree to tree because of things such as genetics or physical location. Colors can even vary on the same tree. For example, leaves directly exposed to the afternoon sun may turn brilliant red while those on the shady side of the tree may only turn yellow.

So now the mystery is solved and next time someone asks you for your projection for the fall foliage you can always say, the yellow fall color is guaranteed to be GREAT, but the red, orange and purple foliage will depend upon the warm day temps and cool night temperatures.

CAMGA Minutes

October 2016

Anida Wishnietsky — Co-Secretary



The October 2016, Central Alabama Master Gardeners' Association (CAMGA) meeting was held October 18, 2016, at the Elmore County Extension Auditorium. Rhona Watson called the meeting to order at 10 a.m.

PROGRAM: Lee Borden, Amanda Borden, and Jane Mobley provided information on our public seminar on February 15th at the Wetumpka Civic Center from 9 am to 4 pm. Toby Hemenway will be the guest speaker and his presentation will be called "Designing Ecological Landscapes." The price is \$25 — (\$15 for workers). A maximum of 300 can attend. Schedule will be as follows:

8:00 a.m.	Workers arrive
9:00 a.m.	Registration
9:30 a.m.	Welcome and introductions
9:45—11:15 a.m.	Permaculture basics
11:15—noon	Lunch (Chappy's Deli caters)
12:00—1:20 p.m.	Food forests
1:20—1:45 p.m.	Break
1:45— p.m.	Designing polycultures
3:00—4:00 p.m.	Jason Powell speaks on specific plants
4:00 p.m.	Door prizes

Committee heads are as follows:

Speaker - Jane Mobley
 Venue - Linda Griebel
 Registration - Janet Lewis
 Door prizes - John Butler
 Food - Jesse Miles
 Decorations - Sharon Potts
 Publicity - Linda Griebel

A simple definition of permaculture is "a self-sufficient agricultural system." Candy Jones announced that Petals from the Past will be providing a free presentation on permaculture on Saturday, October 22 at 10:30 am.

If anyone left tools at Phil Easter's home, please see Candy Jones and Bill Quales.

BUSINESS:

After the break, the business meeting convened at 11:10 a.m. Rhona thanked everyone who brought food. She then announced that CAMGA was buying 45 ACES 2017 calendars at \$5 each. She does not yet know how much they will sell for.

The Christmas Party format has changed from a catered lunch to a "pot-luck" lunch with attendees bringing side dishes and desserts and CAMGA providing turkey and ham and paper/plastic ware. An email will go out to all members with details and for folks to sign up.

PROGRAMS: Lee Borden said that in November, Jane Mobley and Candy Jones will present on taxonomy. December is the Christmas party! Sandy Rosemond will be responsible for the January program. Our tentative program schedule and each meeting's evaluation results are online and available for review at:

<http://bit.ly/camgaprograms>.



October 2016 Minutes Continued

Anida Wishnietsky — Co-Secretary

TREASURER'S REPORT: Becky Ashurst gave the Treasurer's Report for September 2016. The balance as of September 30, 2016 was \$12,585.92. Total expenditures for September were \$261.68 and total credits were \$160. The Treasurer's Report was approved by acclamation. Becky reminded everyone that \$20 annual dues are due in December. Please make checks out to CAMGA.

PROJECTS COMMITTEE: Jane Mobley reported that the work day to clean up Phil Easter's yard went well. Phil thanked everyone for their help. Rhona let everyone know that we are selling our pony tiller for \$200. See Linda Griebel or Mary McCroan if interested.

LUNCH AND LEARN: Charlotte Hall provided an update from the Lunch and Learn Committee. She informed the group that topics and speakers are in place for 2017. The Lunch and Learn scheduled on November 8, 2016 is about hydroponics. It will be given by Ken Barber from Barber Berry Farm, LLC.

NOMINATION COMMITTEE: Candy Jones presented the slate of nominees for 2017 and asked for nominations from the floor. There were no nominations from the floor. Linda Griebel made a motion to accept all nominees. It was seconded by Amanda Borden. All nominees were accepted by the group by acclamation.

2017 Officers are: **President - Rhona Watson, Vice-President - Sandy Rosamond, Secretary - Iva Haynie, Treasurer - Bill Quails, and Advisory Committee Representative - Rhonda Miles.** The slate of officers for 2017 will be sworn in at the December meeting.

MINUTES: The September Minutes published in the September Newsletter was approved by acclamation.

ACES: Mallory Kelley thanked Jane Mobley, Maria Pacheco-West, Amanda Borden, Mary McCroan and R.J. Arceneaux for the classes they taught in Autauga. Dr Edgar Benson will present a backyard citrus program at the Extension Office on November 10th from 8:30 - 11:30 am. Price is \$10.

OTHER BUSINESS:

Rhonda Miles asked that MGs take time to talk to Lunch and Learn attendees.

Marie Updike spoke about the 63rd Annual Fall Flower Show at the Alabama National Fair in Montgomery from October 28 - November 6, 2016. She reminded everyone to submit entries for the flower show. Rules, entry times, and dates are available at www.alnationalfair.org.

Charlotte Hall let everyone know about the Dale Chihuly glass exhibit at the Atlanta Botanical Gardens through October 31.

Rhona Watson said that Smith Gilbert Gardens in Atlanta was having a bonsai day on November 12. Admission is \$6 for seniors.

Door prizes were handed out.

There being no further business, the meeting adjourned at 11:40 am. Forty attendees were at the meeting.

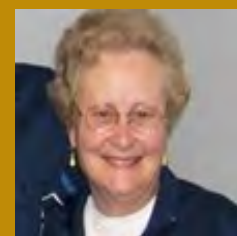
Respectfully submitted,
Anida Wishnietsky, Co-Secretary



SPOTLIGHT ON VOLUNTEERS

For October 2016

By Judy May



The Lunch and Learn on October 11 was Papercrete- Mudpies for Grown- Ups. The presenter was Carla McCune. There were 34 attendees, 25 of them Master Gardeners. Assisting were Sandi Adkison, Debbie Kelso and Bill Quailes.

Bringing refreshments to the monthly meeting were Sharon Potts, Freda Frye, Bonnie McCormick, Rhonda Miles, Robin Snyder, Marie Updike and Marjorie Hannah.

Attending the Projects Committee meeting were Rhona Watson, John Butler, Jane Mobley, Candy Jones and Linda Griebel.

Janet Lewis, Terry Chambliss, Carol Pugh, and Betty Stricker attended the Landscape Design Class in Auburn, October 17 and 18.

October 13th Maria Pacheco West spoke to the Sojourner's Club in Montgomery on Fall Flowers/ Heirloom Flowers. 40 members attended.

Helping Maria at Lanark this month were Sheila Pearson, Leslie Bingham, Carla McCune, Ann Hill, Norman Turnipseed, Peggy Gelpi, Judy May and intern Paul Richardson.

Working at the Governor's mansion this month were Sandy Rosamond, Amanda Borden and Jane McCarthy.

On October 20 Terry Chambliss, Jane Mobley, and John Barnes worked with Wetumpka Middle School students on pruning in the Heirloom Garden.

The Projects Committee hosted the Plant Swap October 14th. Working that day were Linda Griebel, John Barnes, Terry Chambliss, and Janet Lewis. Swapping plants that day were Sherri Schaefer, Janet Lewis, Terry Chambliss, Catese Chaffee, Katrina Mitchell, Leslie Bingham, Rhona Watson, John Barnes, Marie Updike, Betty Stricker, Rose

Permaculture

By: Jane Mobley



At our last meeting, clarification of the meaning of permaculture was requested. The question was in how one might explain to neighbors and friends what permaculture is about without going into systems, etc. In this article I will endeavor to make some analogies that may help in giving a more practical explanation. An analogy might be drawn between permaculture and building a house.

Let's say that you are a building contractor, and you have been awarded the contract for building a house. Once you have signed the contract, you are now responsible for making this dream a reality. While you must understand what all the jobs are and how those jobs must come together for a successful build, you will not be doing all the work yourself. Because you are making a living at this, you must do a quality job with as little expense in both money and effort as possible so that you can make what you need while doing a first rate job in order to be able to get further contracts.

The main jobs of the contractor (gardener) are site planning, gathering materials, knowing and hiring the people (plants) who will actually do the work (aeration of the soil, holding water, nitrogen-fixing, pest control, etc.), coordinating the people (plants) so that the ones needed for specific jobs are there at the correct times, checking to see that the jobs are being done correctly and efficiently, inspection of the whole to make sure that all the parts are working together, seeing to it that any tweaking that needs doing is done (some pruning, moving a plant, etc.), and turning over the keys to the owners (harvest). The contractor also must have other people (plants) in the wings in case there is a problem with any of the workers. The main jobs of the contractor fall under the headings of having the knowledge, planning, implementing, supervising, and problem solving. Basically, the contractor connects all the parts of the project. Excellent execution of those jobs means that all parts of the construction are interconnected in such a way that the house (garden) is functional and beautiful and that then reaps great rewards for the contractor.

When work starts, it must start with site preparation. The contractor may have to clear the site, grade the site, and haul in extra or different soil. He may need to locate the building to take advantage of the view or the light. He must locate and bring in a water source and an electrical source as well as deal with waste management. In permaculture the gardener must first study the site. He or she must know about the site drainage and water flow, the amount and direction of light, the type and condition of the soil and how to fix any of the problems found there before any planting begins. The gardener may have to do soil testing as would a contractor for putting in the septic.

The permaculture gardener will select natural ways and materials to help maintain water on the site, control light and pests, and deal with waste. For instance, when selecting plants, the gardener would select some that will naturally mulch the site, will select plants and plant locations for maintaining the correct amount of light, and will consider chop and drop methods for composting on site and plants that will bring up minerals while others fix nitrogen or aerate the soil. Some plants will attract pollinators and beneficial bugs while others will deter pests. Using the plants themselves to do the work saves water and watering, weeding, fertilizing and pest control. Many of the plants involved are long lived and serve to continually build up the soil while providing habitat for beneficial creatures thus making it unnecessary to repeat this every year. Hence the name, permaculture.



Permaculture Continued

By: Jane Mobley

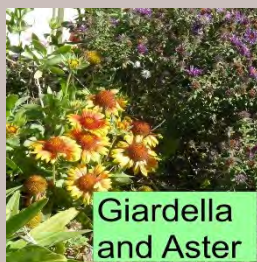
Plant selection (hiring the workers) must be thoughtful in the permaculture garden. Plants are selected for all the functions that they bring to the table and each one should be multifunctional so that all jobs are covered at all times. The plants, soil life, wildlife, and the gardener in a permaculture garden are interconnected because each helps the others in some way in order to bring about a successful harvest and a beautiful look while reducing the work having to be done by the gardener and by reducing the need for any artificial input. You may think of permaculture as companion planting on steroids with an added connection between the plants and the site and the gardener.

Permaculture gardening takes more thought and planning than the way that most of us garden, but it has many rewards. Permaculture gardening does not mean that you throw out anything that you already know about gardening. It is using what you know, but connecting it all together in one spot.

If you are like me, you have probably fallen in love with a plant and then taken it home and had to search for a place to put it, or you have found that you have to baby it, or you have found that you just could not keep up with the weeds in your veggie garden, or you have given up in disgust when the deer have mowed down everything in sight, or you have sworn you are not going to use chemicals, and the bugs have eaten what harvest the deer missed.

The thought put into permaculture gardening and its implementation means that many of the problems that we face will not occur. If we let the plants do the work together, we will not have to do that work, and we will not have to spend so much money on trying to keep everything alive and productive. We can be the inspectors and tweekers instead. We do not want or need to be a contractor building a house by ourselves, not when we have so many workers to help us if we would just use them.

Just as the contractor makes a house by connecting the work of workers with different skills, by careful planning the gardener can connect the work of different plants to accomplish a bountiful harvest or any other goal for which plants are the answer. Also, if we allow our own yards to provide us with some of what we need, we will not be as dependent on things like factory farms that destroy so much of the natural environment and trucks that burn so much gas to get it to us. And, we do not have to meet those needs by using our yards to make ugly straight rows of veggies that die down after a season separated by weeds that drive us nuts.

Giardella
and Aster

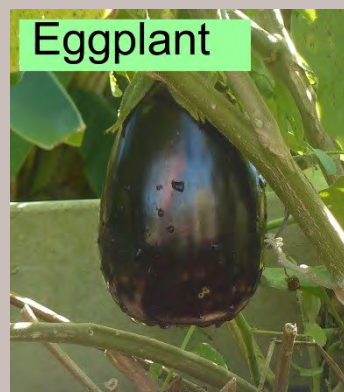
LEARNING GARDEN

By: Mary McCroan



Our volunteers in the Learning Garden for October included Linda Griebel, Amanda Borden, Sherri Schaefer, John Barnes, Rosemary Mobley, Candy Jones, Don Hoover, Kay (Red) Norman, and Mary McCroan.

This has been a great transition time for the garden. The summer tomatoes, eggplant and green beans are still producing like gang busters. They have enjoyed the extended summer. Meanwhile, we've planted various fall veggies that are just starting to show some promise for goodies to come. One surprise was that we got a great crop of *Portulaca oleracea*, also known as purslane growing in one area. This is a common weed that is totally eatable and pretty darn good. It really seems to like the area where the compost pile used to be. It is happy in cultivated, irrigated soil as well as dry gravel and is known to tolerate poor soil and drought. Although purslane is considered a weed by many people it may be eaten as a leaf vegetable. It has a slightly sour and salty taste and is eaten throughout much of Europe, the middle east, Asia, and Mexico. The stems, leaves and flower buds are all edible. Purslane may be used fresh as a salad, stir-fried, or cooked as spinach is, or added soups and stews. Purslane contains more omega-3 fatty acids (alpha-linolenic acid in particular) than any other leafy vegetable plant. So, quit throwing it away and start eating it! Feel free to stop by the garden and have an exploratory nibble.



Eggplant

We are having many Fritillary butterflies visiting the gardens. A favorite for them this month has been the zinnias. Yellow giardella and purple asters are providing a nice color contrast while also feeding various pollinators. Sad to say, sightings of Monarchs have been few and far between.

Donald and
Rosemary
Mobley picking
green beans

The ornamental gardens in front of the Extension Center have done pretty well considering the drought and minimal supplemental watering. As always, our focus there is a compromise between an attractive and inviting presentation with minimum maintenance. Right now the red and pink Knockout Roses are contrasting nicely with the yellow Lantana. Red Norman continues to frequently prune the Coral Honeysuckle to keep it from overwhelming the entry way and it has provided gorgeous blooms all summer long.



Variegated Fritillary



Purslane



Lantana and Knock Out Roses

Lunch and Learn Program For October 2016 By: Carla McCune



Papercrete, Mud Pies for Grown-Ups

The October Lunch and Learn was all about creating usable garden and home decor objects from paper, cement and perlite.

Iva Haynie and I shared items we had made from papercrete and I shared a little about the history and uses of the papercrete product. I also explained some of my journey down the mud road to creating with papercrete.

Papercrete became of interest to me because it looked fun and kept paper out of the trash bin! This interest evolved into a creative, fun, experiment that would try my patience at times but in the end has been fun and rewarding.

Papercrete is a mixture of pulped paper, Portland cement, and usually a filler of some sort. I used perlite, primarily because I wanted my end product to be fairly light weight. These ingredients are mixed together with water to form a mud that can be molded to create all sorts of usable items. Molds can be anything from a favorite pot to a galvanized trough.

The opening of the mold should be wider than the base to facilitate releasing the papercrete from the mold. Coating the inside of the mold with vegetable spray or cooking oil will also facilitate the easy release of the papercrete from the mold. In many more arid climates papercrete is even used to form bricks for building homes or retaining walls. In our more humid climate the paper content of papercrete makes it less attractive for this type use secondary to water retention and molding.

The recipe I used to make papercrete came from an article called *PAPERCRETE - a Hypertufa - Alternative* by Lee Coates. (Website: <http://www.midwesthostasociety.org/MRHS-Newsletter/2010-1.pdf>)

In his article Mr. Coates recommends using a 3-2-1 ratio for pulped paper (3), cement (2), filler (1) (perlite). I found this to be a very good ratio and any changes I needed to make in the papercrete consistency I could make by adding or subtracting water content as I mixed. For the small batches I was making, I used a 34 ounce coffee container to measure 1 ½ container of pulped paper, 1 container of cement, and ½ of container of perlite.

These ingredients are mixed together in a 3 gallon or larger bucket with enough water to make a moldable mud consistency. The finished mix when squeezed in your fist should drip a little water. This recipe keeps to the **ratio** 3 parts pulped paper, 2 parts cement and 1 part filler.

I used mostly newsprint as my source of paper, but any kind of paper, cardboard, trash mail will do. In order to pulp the paper it must be shredded. Hand shredded paper is more difficult to pulp than paper shredded with a paper shredder. For pulping the shredded paper, most sources mixing soaking makes pulping easier but the paper will mold if left too long especially in this humid climate we have here in south central Alabama.



Lunch and Learn Program (Continued)

By: Carla McCune

The shredded paper must soak in water at least 24 hours or longer prior to pulping. Longer came to pulping the paper so I put paper in the container and added water and if it did not all absorb, I simply did not have to work as hard to get the paper pulped and I could use less water when it was time to mix in the cement and perlite.

Papercrete is very forgiving if the recipe is "off" a bit or some of the ingredients do not get completely mixed in, the papercrete still molds up nicely. The papercrete, once molded should cure for 24 hours before being turned out of the mold. Once the item is out of the mold it should be allowed to cure for several weeks in a dry environment and several more in the weather prior to putting it in contact with living plants to allow the lime content of the cement to leach out.

Join us for November's Lunch & Learn Program which will be on Hydroponics presented by Ken Barber at the Elmore County Extension Auditorium at 12:00 noon to 1:00 p.m. See you then!



*October 2016
Lunch and Learn Program*

*Master Gardener Carla McCune
presented program on Papercrete for the
October 2016 Lunch & Learn Program*





Governor's Mansion Report October 2016 By: Amanda Borden



During the month of October, volunteers at the Governor's Mansion weeded the Secret Garden, the Herb Garden, the Serenity Garden, the beds in front of the mansion, and the Hill House front yard. They also worked in the shrub beds from the office up to the portico and around the front. They cut back unsightly branches in several beds and lightly trimmed the holly shrubs across the front of the mansion so they would be tidy for the Christmas open houses.

Please note beginning November 7--with the advent of standard time, work day hours will be 9:00 a.m. to 12:00 noon.

Volunteers Working at the Governor's Mansion



Left to right: Peggy Funk, Kathy Quinn, Amy Richardson, Amanda Borden, Jean Smyth, Jane McCarthy



Luke Quinn digs up and removes canna lilies in front of Hill House.



Programs Update By: Lee Borden



In October Jane Mobley, Amanda Borden, and I focused on the February permaculture seminar. We now have a name, "Designing Ecological Landscapes." Lee introduced the speakers, Toby Hemenway and Jason Powell. Amanda explored the concept of permaculture, including its fourteen key principles. And Jane brought us up to date about all the preparations for the seminar itself. We need to sell 300 tickets for it, and we think we can do that if we all work together.

In November, Candy Jones and Jane Mobley will open to us the fascinating and intimidating world of plant classification, called taxonomy.

The December meeting (December 20) will be our annual Christmas party at Mulder Memorial United Methodist Church. CAMGA will provide ham, turkey, and paper products. Everyone is invited to bring a side dish and is welcome to bring a guest. Please email Anida at anidawi@aol.com to let her know your plans. Tell her your name, the name of any guest you plan to bring, and what food item you plan to bring.

Our tentative program schedule and each meeting's evaluation results are online and available for your review at <http://bit.ly/camgaprograms>.

Upcoming Backyard Citrus Production Workshop

The Alabama Cooperative Extension System will be teaching a Backyard Citrus Production meeting at the Elmore County Extension Office, Thursday, November 10th, 8:30 a.m. until 11:30 a.m.

Topics that will be discussed include site selection, cold protection, irrigation, disease management, insect management, weed management, pruning, training, and harvesting.

Cost: \$10. Please make payment to:
Elmore County Extension Office

Address:
340 Queen Ann Road,
Wetumpka, AL 36092

For more information contact the Elmore County Extension Office at 334-567-6301



Photos from October Master Gardener Activities

Master Gardener Fall Plant Swap



October CAMGA Meeting



*Master Gardeners who attended the Fall Landscape Design
Class in Auburn are: Janet Lewis, Betty Stricker,
Melanie Barry, Terry Chambliss, and Carol Pugh*



*Carla McCune presenting
October Lunch and Learn Program*

Upcoming Designing Ecological Landscapes Workshop

Wednesday — February 15, 2017
Wetumpka Civic Center — Wetumpka, AL



DESIGNING ECOLOGICAL LANDSCAPES

Wednesday, February 15,
2017

9:30 am to 4:00 pm
Wetumpka Civic Center, 410
S Main St., Wetumpka, AL
36092

\$25 per person

REGISTRATION IS FROM

9:00-9:30

YOU MUST PRE-REGISTER IN ORDER TO ATTEND. **NO MONEY WILL BE TAKEN AT THE DOOR.** Registration must be sent by check or money order made out to CAMGA to the address below. Use the attached registration form at the bottom and mail with your check or money order by January 31, 2017. You will receive email confirmation of your registration!

Door prizes will be given!

We would love to see you there!



- Do you want to learn how to get the most out of your gardens with the least amount of work?
- Are you tired of tilling and weeding?
- Do you want bountiful harvests without the use of tons of chemicals?
- Are you concerned about how your practices affect our pollinators and water supply?
- Are you looking for a sustainable landscape and gardens?

Then join us on February 15, 2017 to listen to a nationally recognized expert in permaculture as he teaches us how to address those concerns and stay to learn what plants in our area are perfect to meet these concerns...

DESIGNING ECOLOGICAL LANDSCAPES

A seminar brought to you by the Central Alabama Master Gardener Association under the auspices of the Alabama Cooperative Extension Service



Do you want to learn how to get the most out of your gardens with the least amount of work?

Wednesday, February 15, 2017

9:30 am to 4:00 pm

Wetumpka Civic Center
410 S Main St., Wetumpka, AL
36092

\$25 per person

DESIGNING ECOLOGICAL LANDSCAPES

Introducing:

Toby Hemenway, author of the acclaimed *Gaia's Garden* and *The Permaculture City*, has been an adjunct professor at Portland State University, Scholar-in-Residence at Pacific University, and has taught over sixty 72-hour permaculture design courses. He has presented lectures and workshops at major sustainability conferences such as Bioneers, SolFest, and EcoFarm, and at Duke University, Tufts University, University of Minnesota, University of Delaware and many other educational venues. His writing has appeared in magazines such as *Natural Home*, *Whole Earth Review*, and *American Gardener*. He has contributed book chapters for WorldWatch Institute and to several publications on ecological design. He comes to us from Sebastopol, California.



Toby's topics for this seminar are:

1. Permaculture Basics: Ecological Landscapes for Town and Country
2. Food Forests: Edible Landscapes That Benefit Both Wildlife and People
3. Designing Polycultures and Guilds: Creating Our Own Plant Communities for Food, Habitat, Medicine, and More.
3. Designing Polycultures and Guilds: Creating Our Own Plant Communities for Food, Habitat, Medicine, and More.

DESIGNING ECOLOGICAL LANDSCAPES

YOU MUST **PRE-REGISTER BY JANUARY 31, 2017** IN ORDER TO ATTEND.
NO MONEY WILL BE TAKEN AT THE DOOR.

REGISTRATION FORM (DUE TO LUNCH SELECTIONS, PLEASE SUBMIT SEPARATE FORM FOR EACH PERSON.)

Name _____
Address _____

Email address _____
Phone _____

Preferred Lunch (check only one)
_____ beef sandwich
_____ turkey sandwich
_____ vegetarian sandwich

Make checks (\$25 per person check or money order) out to CAMGA and send to

CAMGA
c/o Janet Lewis, Registrar
403 Covered Bridge Rd
Wetumpka, AL 36093



Also featured, **Jason Powell**, owner of *Petals From the Past* in Jemison, AL, and expert in local landscape plants, will share his advice on choosing plants from our area, suitable to putting Toby's knowledge to work in our landscapes.

DOOR PRIZES will include selections from *Petals From the Past*!

CENTRAL ALABAMA MASTER
GARDENER ASSOCIATION



CAMGA 2017 DUES

CAMGA 2017 dues are due December 31st. They are \$20 (local & state) or \$12 (local only).

Current CAMGA interns do not need to pay dues for 2017.

Please make the check out to "CAMGA" and bring it to the November meeting or mail it to our treasurer at the address below.

Mail check to:
Becky Ashurst
775 Morgan Trace
Wetumpka AL 36093

Don't forget to input your 2016 volunteer hours to the Service Reporting web site by Dec 31st to be counted under the Reach for the Stars Program. If you do not use the web site, contact Anida Wishnietsky.

CAMGA Garden Buzzzz

Carol Pugh — Editor
 pughdia@aces.edu
 334-567-6301



Master Gardeners Association

LUNCH & LEARN 2017

2ND TUESDAY OF EVERY MONTH
 ELMORE COUNTY EXTENSION OFFICE
 340 QUEEN ANN ROAD, WETUMPKA, AL
 12:00-1:00 P.M.


FREE PROGRAMS

- 10 January** **Monthly Gardening at a Glance**
 Maria Pacheco-West, Adv. Master Gardener
- 14 February** **Pruning Pointers**
 Dr. Chip East, Horticulturist, ACES
- 14 March** **Gardening without Injury**
 Bill Jackson, PT Solutions
- 11 April** **Backyard Tomatoes**
 Mallory Kelley, Horticulturist, ACES
- 9 May** **Propagating Plants**
 Rhona Watson, Advanced Master Gardener
- 13 June** **Hydrangeas**
 Rhonda Flowers, Aldridge Gardens
- 11 July** **Name that Tree- Tree Identification**
 Patrick Cook, Autauga Forestry Commission
- 8 August** **Preserving your Garden's Bounty**
 Janet Johnson, Food Preservationist, ACES
- 12 September** **Fall Gardening and Harvest**
 Lee and Amanda Borden, Advanced Master Gardeners
- 10 October** **Sweet & Sour Facts of Citrus**
 Dr. Arlie Powell, Petals From the Past
- 14 November** **Holiday Plants & Forcing Bulbs**
 Karen Webber, Master Gardener
- 12 December** **Orchids**
 Judy May, Master Gardener

Calendar of Events

November 2016

Sun Mon Tue Wed Thu Fri Sat

		1	2 <i>Lanark Workday 8 to 12 noon</i>	3 <i>Elmore County Extension Office Learning Gardens Workday 8 to 12</i>	4	5
6	7 <i>Governor's Mansion Work Day 9 to 12 noon</i>	8 <i>Lunch & Learn 12-1 p.m. Elmore Co. Ext. Office</i>	9 <i>Lanark Workday 8 to 12 noon</i>	10 <i>Elmore County Extension Office Learning Gardens Workday 8 to 12</i> <i>Backyard Citrus Production Workshop 8:30-11:30 Elmore Co. Extension Office</i>	11	12
13	14 <i>Governor's Mansion Work Day 9 to 12 noon</i>	15 <i>CAMGA Meeting 10-12 noon Elmore Co. Extension</i>	16 <i>Lanark Workday 8 to 12 noon</i>	17 <i>Elmore County Extension Office Learning Gardens Workday 8 to 12</i>	18	19
20	21 <i>Governor's Mansion Work Day 9 to 12 noon</i>	22	23 <i>Lanark Workday 8 to 12 noon</i>	24  Happy Thanksgiving!!	25	26
27	28 <i>Governor's Mansion Work Day 9 to 12 noon</i>	29	30 <i>Lanark Workday 8 to 12 noon</i>			