MG Training of 2013

The class of 2013 “plowed” through their training with impressive work, so we have reason to expect good things from them (interns, did you read this?) They were a fun and bright group to train and came to class with much to offer. Personally, I think all of us, presenters, students, and I had a lot fun working with this class, and I’m pleased to welcome them as Interns to our organization.

However, good students can’t take all the credit for the class being such a pleasure to train. They have to share this honor with the angels that are doing so much to support the program and see to it that each day goes smoothly.

The notebooks are waiting for each student at their desk due to the hours of work Deborah Carpenter and Madelene Weinberger spend getting them ready before the first day of class. Then, on the first day of class, they spend a couple of hours with the class helping them fill out their forms, explaining the referrals, and answering questions that come up. Mary Grant and Terry Thir help with every session of the class, and they begin working with me in late November planning the schedule, discussing changes, and patiently letting me sound off ideas I may have, some good, others not so.

Before the first day of class they have the student’s name and contact information ready. They are responsible for: having the refreshments ready for our advanced training classes, keeping the attendance, evaluations, and collecting or handing out homework for a.m. and p.m. sessions, running off handouts or other papers when needed, and any other thing that may come up during class.

It sounds miserably inadequate, but I truly thank all my helping angels for their contributions to the training program.

Barbie Walter, Training Coordinator
April

23 (Tuesday)  10 a.m.; Membership Meeting, Extension Office, Open to all MGs
27 (Saturday)  1 p.m. – 4 p.m.; Celebrate La Plata Day at La Plata Town Hall, Contact Brenda Elmore Christmas in April, Contact Carol Teets

May

1 (Wednesday)  9 a.m.; Preliminary Detention Center vegetable garden preparation, La Plata Contact Gale Kladitis or Dave Lewis
8 (Wednesday)  9 a.m. - 12:00 p.m.; Detention Center Program
11 (Saturday)  8 a.m. - 1 p.m.; MG Annual Plant Sale, La Plata Farmer's Market and Waldorf West Library, Contact Gale Kladitis or Terry Thir
15 (Wednesday)  9 a.m.- 12:00 p.m.; Detention Center Program
22 (Wednesday)  9 a.m.- 12:00 p.m.; Detention Center Program
22 (Wednesday)  Master Gardener Annual Training Day
28 (Tuesday)  10 a.m.; Membership Meeting, location TBA, Open to all MGs
29 (Wednesday)  9 a.m.- 12:00 p.m.; Detention Center Program

June

5 (Wednesday)  9 a.m.- 12:00 p.m.; Detention Center Program
12 (Wednesday)  9 a.m.- 12:00 p.m.; Detention Center Program
19 (Wednesday)  9 a.m.- 12:00 p.m.; Detention Center Program
25 (Tuesday)  10 a.m.; Membership Meeting, Extension Office, Open to all MGs
New MG Recognition Program

We did a new thing this year. I had planned to do this new thing two years ago, but Life happens, so it had to wait. Longevity Pins are recognition of how long one has been a Master Gardener, and that’s a good thing. But they don’t require any extra effort, or contributions to the MGs, and really don’t say anything about you. It was my opinion that many of you deserved recognition for more than minimal service.

So after shopping around, and mulling this idea over in my brain for months, I decided this recognition had to be something that showed your accomplishments to others, and it had to be sustainable so we could do it year after year.

Hence, the black ribbon you’ll see on some MGs’ necks with playful flowers and bugs around an embroidered Black-eyed Susan. Each flower or bug represents 50 hours of service, and below is the list of MGs who received recognition awards.

Of special note was one Intern from the 2012 class who fulfilled his 40 hours of Intern volunteering before the end of 2012, but kept on to do 70 more, so he has finished his first year as a MG as well. Very special congratulations to Bob Peregoy! Others receiving recognition and their hours are:

<table>
<thead>
<tr>
<th>Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Marty Eldridge</td>
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<td>Sally Hopp</td>
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<td>Pam Van Tassel</td>
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<td>Dianne Goodrich</td>
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<td>Esther Reaves</td>
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<td>Debbie Sindt</td>
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<td>Sandra Womack</td>
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<td>Jan Lakey-Waters</td>
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<td>Yvonne Irvin</td>
<td>69</td>
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<td>Bob Peregoy, Intern (40)+</td>
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<td>Pat Biles</td>
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<td>Madeleine Weinberger</td>
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<td>Dave Lewis</td>
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<td>Beth Grem</td>
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<td>Pauline Spurlock</td>
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<td>Terry Thir</td>
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<td>Jessica Milstead</td>
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<td>Barbie Walter</td>
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<tr>
<td>Gale Kladitis</td>
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<td>Cindi Barnhart</td>
<td>305</td>
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Barbie Walter, Training Coordinator

The University of Maryland, College of Agriculture and Natural Resources programs are open to all and will not discriminate against anyone because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry, or national origin, marital status, genetic information, political affiliation, or gender identity and expression.
Charles County Fair 2013

Even though September is six months away, it is a transition month for Master Gardeners. Many projects are winding down for the year, and volunteer hours become scarce. Volunteering at the Charles County Fair may just be your ticket to earning those still needed hours.

The Charles County Master Gardeners provide two educational displays at the Fair, and staffing the displays provides plenty of opportunity for volunteer service hours. The displays publicize the benefits of the Master Gardener Program to the community and regularly earn red and blue ribbons from the Fair judges. We also need creative and dedicated people to help design this year's displays.

The 2013 Charles County Fair runs from Thursday, September 12 through Sunday, September 15, with Wednesday, September 11 as set-up day. If you would like to help design this year's displays, please contact Bob Peregoys (301-645-5079). If you would like to help staff the display areas during the Fair, please contact Doris Santimays (301-645-4594).

Robert Peregoys, Class of 2012

MGs participate in the kickoff of the Waldorf Beautification Project Above: Mary Gaskins, Sherie Zimmer, Terry Thir, Gale Kladitis; Below: Sherie Zimmer, Commissioner Debra Davis, Cindi Barnhart, Gale Kladitis, Commissioner Ken Robinson, Terry Thir, Mary Gaskins and Commissioner Rueben B. Collins II, Esq.
(Photos courtesy of Gale Kladitis)
Body of Christ Farm

Dr. Gouin has entertained and taught us for some years now, but he pulled a rabbit out of a hat on Saturday, April 6. An instructional pruning session had been scheduled at Body of Christ Farm, with Dr. Gouin coming to instruct us on the proper pruning of apple trees. As it turned out, we arrived at the farm only to find that the apple trees we were going to prune were badly diseased and dying; pruning was not going to help these trees.

So, instead of a class on pruning, Dr. Gouin spontaneously did a wonderful presentation on easy to grow alternative fruits for which there is a developing market. Apparently, apple trees are not doing well in this area. You might say Dr. G. turned lemon into lemonade, or made persimmons out of apples.

If you need volunteer hours, BOC is a beautiful and peaceful place to get them. You’ll get to play with the little goats, and have fun. Contact Annie Sires, Intern, for information about what is needed, or if you have an idea for a class or project on the farm.

The following are very good notes taken by MG Sherie Zimmer who is gracious enough to share them with all of us.  **Barbie Walter, Training Coordinator**

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**Notes from Sherie Zimmer . . .**

**Dr. Gouin at Body of Christ Farm April 6, 2013**  
Always informative and entertaining, Dr. Gouin shared useful information about five good choices for planting at Body of Christ Farm in Malcolm.

**Persimmon Diospyros**  
Oriental persimmon is much sweeter (less astringent) than American persimmon. There are five varieties that are suitable. They require no spraying, no pruning and stink bugs do not like them. Trees are either male or female so a pollinator is necessary. The variety Lantana is a good pollinator. Plant 20 feet apart. Oriental persimmon is a good crop fruit as it is sought after for Asian cuisine. It is also a more manageable size than the American variety. Life expectancy is about 20 years. (Do not plant Asian pears as a substitute as stink bugs are a real problem.)

**Pawpaw Asimina (triloba)**  
There are 14 cultivars in the trade. The fruit is larger and there are fewer seeds than with the native or wild varieties.
Figs (ficus)
Variety Brown Turkey and Egyptian Golden are good choices for our area.
Plant 8 feet apart with rows 10 feet apart.

Blackberry (Rubus)
Capital (thornless) Good performer

Blueberry (high bush) (vaccinium)
Rabbit eye variety good for our area. Blueberries like acid soil – pH around 5.5.
They need calcium (gypsum)
Do not use black plastic as a mulch around blueberries.
Hartman Plant Farm in Missouri good source for blueberry plants.

Other information:
Apple trees are susceptible to cedar-apple rust. Without a regular spraying program, trees will be afflicted if there are cedar trees in the area-within 5000 feet!

Plants need 3-5% organic content for health and to take up nutrients properly

To lower pH in the soil use iron sulfate (not aluminum sulfate)

Pine fines is excellent mulch for acid lovers. Its’ pH is 3.5 This is different from pine needles-do not use.

Do not use hardwood mulch as it pulls nitrogen from the soil to decompose.
Make Your Log Hours Count!

As we start 2013, I wish all of you gardening success. We had a great 2012 year with 4,051 volunteer hours, and 1,231 continuing education hours.

As soon as I have access to the year 2013, I will be sending you an updated directory. In the meantime, if any of you have any personal changes to make, please forward them to me at mgcharlesrecords@umd.edu.

If you have any questions about record keeping, please do not email Beth Grem (she just forwards the emails to the membership); email me directly for a prompt response at the above email address, or at spurlockp@gmail.com. Feel free to contact me by telephone at (301) 932-0167.

Here are some ways to make sure your valuable volunteer hours get recorded correctly:

◊ All volunteer hours should be recorded on your personal log sheet and totaled by activity. You can make the entries in 15-minute segments of time if you wish. Log hours include planning meetings and events, committee and administrative work, and time spent preparing for activities. Log hours may include travel time for volunteer activities and MG membership meetings.

◊ The database for volunteer hours is set up by single dates, so please record your hours by single days rather than a block of time. For example, if you volunteered on Tuesdays and Thursdays in April for 2 hours each day, indicate which individual dates and how much time each date, rather than saying you did 16 hours for April.

◊ Log hours must be for activities approved by the Steering Committee and the Executive Board.

◊ Log sheets will be due quarterly – end of March, June, September, and December. The last quarter ending December will be due mid-January. After the January deadline, hours will not be accepted for entry into the State database.

◊ Three ways to submit your hours:
Mail or Hand Delivered to: University of MD Extension, Charles County Master Gardeners (CCMG), 9375 Chesapeake St., #119, La Plata, MD 20646. Fax: Charles County Extension (301) 753-1857. Do not email them.

What Counts as Continuing Education: Completion of at least 10 hours of continuing education can be obtained through classes, seminars and other educational activities offered by UME, plant societies, botanical gardens and arboretas, colleges, nature centers, or presentations made at MG meetings, etc. (Do not count travel time for education.)

Codes for MG Projects:

Bay-Wise – 5
Christmas in April – 7
Detention Center – 8
Dr. Mudd House – 9
MG Monthly Meeting – 11
Nanjemoy Creek Environmental Center – 4
Newsletter – 11
Plant Sale – 11
Arts Fest – 10
CC Fair – 10
Thomas Stone HS Project (green school advisory) - 7

Pauline Spurlock, Record Keeper
United States Botanic Gardens (USBG) are a blast!

If you’ve never been to some of their programs you should give USBG a try. They offer many FREE opportunities to enjoy plants.

I signed up my youngest daughter (she is now 10 years old) and her BFF Katelyn for a Botanic Garden Night Adventure. The age group calls for 8-12 year olds with a chaperoned adult (me). I thought this would be both perfect for a sleepover and something mom might enjoy as well.

Katelyn arrived at our home about 1PM with her overnight things. After dinner we made sure we had snacks, drinks and flashlights. At about 6:30PM we took off for the USBG. The city does have some nice evening sights. As we passed the Nationals’ stadium we were treated to beautiful blue lit trees to go with the red and white stadium colors. How patriotic is that! We were able to park right next to the USBG. A wind turbine exhibit whirled in the night and the new outside gardens looked mysterious.

A sign stating ‘Night Adventure Tour’ led us to our destination for learning and fun. First we were escorted to the teaching area where we found our round name tag. Dried, pressed plant leaves and flowers were used to decorate the tags. These were then made into keepsake button nametags. As a parent and former homeschooling mom I wondered how are these wonderful people to entertain 8-12 year olds for 2 ½ hours?

It was a whirlwind of fun, educational activities. It started with talking about genetics and extracting DNA from strawberries, looking at day lily flowers (which aren’t even in the lily family), flower parts and pollinating, and looking at desert plants and leaves through a microscope. Then we toured the plant exhibits. They have cocoa fruit, papaya fruit, pineapple, and it looked like banana growing in the gardens. There was a plant that takes 35 years to flower, but then it dies. Two of the original plants (from the 1800’s) are still in the exhibit. One is a fern, the other is a small palm tree. I am sorry to say I did not get the Latin binomial or even the common name of these plants.

After the plant tour we were treated to a strawberry smoothie or a chocolate milkshake. The last plant tour included flashlights and headphones. We were escorted into the darkened candle-lit prehistoric plant area. The leader turned out to be a great storyteller which we heard on the headphones. I was worried I’d have to sit out the story but it turned out the headphones were compatible with my hearing aids. Whoo, hoo! I am quite deaf without the aids so being able to hear the story was a very special experience for me.

We turned in our headphones and flashlights and... wait the night was not over. The last activity was ‘make and take’ lavender oil bath salts. It was a great time for all. Thank you USBG and volunteers.

Pat Biles, Class of 2009
A Visit to Dr. Gouin’s Upakrik Farm

On February 25th, my husband and I attended a pruning demonstration given by Dr. Francis Gouin at his farm in Deale. While the primary focus of the demonstration was to share tips for pruning blueberries, Dr. Gouin graciously showed us how to prune fruit trees and provided a variety of helpful hints on many other gardening topics.

**Blueberries.** Dr. Gouin grows high bush blueberries and likes a northern variety called “Herbert”. He uses a pencil pH meter to check the soil and his research shows that a pH of 5.0 to 5.5 is ideal. If pH is around 5, plants sometimes use less of the magnesium in the soil. If the soil test indicates the need for magnesium, he recommends adding magnesium sulfate in the form of Epsom salts. He cautioned us to use iron sulfate, NEVER aluminum sulfate. Compost is used around plants, never mulch, and Preen is applied and watered in between plants in the summer to control weeds.

Plants are aggressively pruned to encourage large fruit. Canes should have straight branches off of them, and any branches that “branch” into several stems should be removed. Canes with multiple branches, even if the branches were straight, were reduced to 3-5 branches per cane. His research indicates that the volume of fruit stays consistent after pruning but that the berries are larger and fewer in number.

**Peach trees.** Dr. Gouin also showed us how to prune a peach tree. He advises pruning the trees in February, as the weather allows. Branches longer than 12 inches should be pruned and any branch that hangs down should be eliminated regardless of length because it will not support a fruit. Large branches are encouraged to grow at 90 degree angles from the trunk. If a branch has less of an angle, he attaches a stick with a nail at each end to the branch to act as a “splint” for the branch. Over time, this trains the branch to the correct angle.

**Other tips.** As we walked through Dr. Gouin’s farm, other questions arose. A number of his responses are captured in the bullets below:

- Cut pussy willow for display after the catkins appear. Hang them upside down for 2 weeks to dry and then spray them with a mixture of 1 part white Elmer’s glue to 9 parts water, which protects and extends their life.

- One application of Milky spore bacteria will eliminate grubs in the soil over a 2-3 year period. Since grubs are the food of moles, these disappear as well. He suggests an application of ½ tsp. every 2-3 feet in a grid pattern over your lawn. Never put Milky spore down with a broadcast spreader. Apply before a forecasted rain if possible. His source is Southern States.

- If old trees are declining, he recommends making 12 inch deep holes around the tree and filling them with compost.

- When using urea nitrogen to break down a compost pile, use a 5 gallon bucket to mix ½ to 1 cup urea with 1 shovelful of dirt and fill it 2/3 full with water. This mixture will be readily available to break down compost.

- Dr. G. recommends Glory and Sparta varieties of strawberries. He covers his strawberries with straw at end of January, which protects the new crowns and allows clean fruit. He uses Preen for weed control between rows, watering it in after application.

- Heritage is a primary cane raspberry which has been very successful in our area. He cuts the canes to the ground in February and keeps the weeds down with Preen. His source is Miller Nurseries.

- If a whole plant turns yellow-green, it has a magnesium deficiency. If only the top leaves are yellow, it has an iron deficiency. If a soil test shows low calcium, use gypsum.

- Dr. Gouin still writes for the Bay Weekly. His column is the Bay Gardener. Find this at http://www.bayweekly.com

_Sue Brewer, Class of 2008_
Northernmost Garden

Recently I spent three weeks enjoying Alaska, and I could write a book about all I saw and did while there. Besides watching a mama grizzly and her two cubs frolic, along with caribou, moose, black bears, and Dall sheep high up in Denali, I visited some wonderful gardens, two of which I’d like to tell you about.

En route to the Alaska cruise ship, we visited the Dr. Sun Yat-Sen Classical Chinese Garden in Vancouver, BC. Every pebble, stone, piece of wood, et al. was brought from China to construct a 100% authentic Chinese garden. It is the only such garden in North America, and it is truly a work of art and love.

I purchased a book about this garden while there, and will donate it to the MG library after I’ve read, and re-read, every page. A Chinese garden is designed to exhibit the philosophical principles of Feng Shui and Taoism, in order to create a place of peace and tranquility. This is a philosophy of balancing opposites: soft and hard, smooth and rugged, loud and quiet, everything nature has to offer. Such gardens are always built with water flowing through, connecting the different parts. The water is always a soft milky green, jade colored, because of what is on the bottom and the plants that grow in it. The koi which swim through it, passed down through generations of a family, come from China.

As our docent moved us through the garden, we entered a courtyard, paved in a geometric pattern with river stones from China. Growing in between these patterns was a very small-leaved plant which the docent referred to as “the moss-like plant”. Well, immediately my hand flew up, so she stopped her presentation to give me a chance to speak. I asked, “Isn’t that Corsican mint?” and our docent excitedly said, “you are the only person I’ve ever had who has known what that plant is!”

Needless to say I was tickled to show off for a minute, but I didn’t expect what happened when the tour was over. Almost everyone in our group gathered around me wanting to know more about “that plant”, where you can get it, how do you grow it, etc. I ended up practically doing a seminar on Corsican mint, but it was fun.

You might enjoy googling Dr. Sun’s garden in Vancouver to learn more and see a few pictures. Go to http://vancouverchinesegarden.com/

After disembarking from our cruise liner we traveled into Alaska, and in our travels visited the Georgeson Garden in Fairbanks. This garden is the furthest north botanical garden in the world, and is part of the University of Alaska at Fairbanks. Besides beautiful landscaping, I saw corn 8 feet high, prolific green beans, and flowers the size of dinner plates. Apparently their extended daylight (23 hours at the summer solstice, June 21) encourages plants to grow like crazy for a short time, but long enough to produce some food. As you would expect, cool weather vegetables such as kale, chard, cabbage, beets, and turnips do best, but they are experimenting with agriculture at this land grant university to learn just what can be grown that far north.

It was a very comfortable, serene garden. There was a lovely water garden with a waterfall and bridge that had been designed by a local elementary class, and subtly staked Blue Lake green beans were growing in decorative planters on each side of an entrance to another walkway. Who would have thought a lowly green bean plant could look so pretty? I don’t think I ever grew one that prolific; it was full of beans gracefully dangling from the stems.

A side note: while walking through the garden we ran into a man out for his daily exercise. We struck up a conversation and small-world stories began to unfold. This gentleman was stationed in Indian Head while in the Navy some years back, had taught landscape design at the University of Alaska, AND had worked with the MGs, so we had a lot to talk about. I brazenly tried to encourage him to come here to teach a class for us on landscaping with vegetables, and he said if I would buy his plane ticket he would do it. Unfortunately, fare to Alaska is a bit pricey for our MG budget, so I had to put that away for now.

Again, this garden can be googled at http://georgesonbg.org/ if you want to know and see more.

It was a wonderful and adventurous trip, and I wanted to share some of it with all of you. Barbie Walter
Master Gardener Annual Training Day – Wednesday, May 22 - University of Maryland, College Park

You can still register for MG Annual Training Day online until 5/15/13. ($69 rate is in effect until 4/30, $79 rate thereafter). Please make every effort to register by 5/7/13 because we will be mailing out the confirmation letters soon thereafter. After this date, we will have to process confirmations individually rather than in bulk.

- http://extension.umd.edu/mg/annual-training-day will have links to all workshops, speakers, MG Merchandise (Identity Items, brochures, and registration forms).
- Online registration can be found at https://webtools.moo.umd.edu/mgatd/

MG Advanced Training Classes for May-June 2013

For full detail about each class and for registration forms, go to http://extension.umd.edu/mg/advanced-training

FLOWERING SHRUBS  This class is being offered in 2 remaining locations:

LOCATION #1: 4-H Center in College Park
Dates: Wednesdays, Jun 12, Jun 19, Jun 26  Time: 6-9pm; Presenter: Wanda MacLachlan; Fee: $45

LOCATION #2: UME Washington County, Boonsboro
Dates: Thursdays Jun 13, Jun 20, Jun 27  Time: 9:30am-12:30pm; Presenter: Wanda MacLachlan; Fee: $45

Course Description: This class will cover approximately 45 flowering shrubs. We will go over identifying characteristics, distinguish between confusing look-alikes, and discuss cultural requirements and use in the landscape. Spring flowering shrubs are among our most beautiful and interesting landscape plants: itea, kerria, crape myrtle, mahonia, spirea, viburnums and so much more. Join us!

LANDSCAPE DESIGN FOR WATER MANAGEMENT  (2 remaining locations)

Registration Fee: $49  Registration Deadline: one week before start date for each course.
Goal of the course: To increase the knowledge and capacity of Master Gardeners so that they can effectively conduct water management outreach in their communities and provide assistance to other organizations and individuals who may wish to undertake a water management project, but not have the horticultural knowledge or critical understanding required for a successful project. You’ll learn how to do site assessment, install water barrels and rain gardens, and how to advise the public on choosing conservation plants.

Queen Anne’s County - Wye Rec in Queenstown; Wednesdays, May 8, 15, 29 9:30-1:30 plus optional field trips and exercises

St. Mary's County - Soil Conservation office in Leonardtown Wednesdays, Jun 5, 12, 19; 9:30-3:30 plus optional field trips and exercises

ASK A MASTER GARDENER PRACTICUM

Location: Univ. of MD Extension, Carroll Co.
Tues. 4/30; Mon. 5/6, Tues. 5/7; 10am 2-pm
Registration Fee: $45  Registration Deadline: April 23; Class limit: 25
Course Description: We would all like to be able to better answer questions at our “Ask a Master Gardener” events. Some of us don’t even sign up to help out at these events because we feel like we don’t know enough. Now’s your chance to learn more, hone your diagnostic skills and feel comfortable with your abilities and with the public. Two field trips and hands-on diagnostic exercises included. This class fills the Ask an MG practicum requirement for the Plant Diagnostic certificate.

Presenters: Dave Clement, Ph.D- Extension Specialist, Plant Pathology; Mary Kay Malinoski- Extension Specialist, Entomology; Steve Allgeier, Horticulture Consultant and MG Coordinator, Carroll Co. and Master Gardeners.
PLANT ID TAXONOMY

This class will be offered in 3 locations in 2013

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<tr>
<th>County</th>
<th>Dates</th>
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<td>Washington County</td>
<td>Th. 5/30, Tues. 6/4, Th. 6/6 5/23</td>
<td>UME, Washington Co. Boonsboro</td>
<td>9:30am-12:30pm</td>
<td>Wanda MacLachlan</td>
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<td>Howard County</td>
<td>Weds. 7/10, 7/17, 7/24 7/3 9:30am-12:30pm</td>
<td>UME, Howard Co. Ellicott City</td>
<td>9:30am-12:30pm</td>
<td>Wanda MacLachlan</td>
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<tr>
<td>Montgomery County</td>
<td>Mon. 7/22, Tues. 7/23, Wed. 7/24 7/15</td>
<td>UME, Montgomery Co. Derwood</td>
<td>10am-1pm</td>
<td>Steve Dubik</td>
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This course is a very important basic tool for Master Gardeners in that it teaches all of the basics needed to identify woody plants in the landscape. Being able to identify plants is the first step in knowing how to diagnose problems or give growing advice. Whether you want to learn 200 plants, 20 plants, or just want to learn techniques to identify plants in the field, this is the course for you. The course will be made up of approximately 9 hours of class work with lots of hands-on practice with dichotomous keys. You will also receive a specially prepared booklet of course materials.


Certificate Information: This course helps fulfill the requirements for both the MG Plant Diagnostics Certificate and the MG Woody Plants Certificate.

ENTOMOLOGY – ECOLOGICAL IPM

Location: Wye Rec, Queenstown, Queen Anne’s County
Thursdays June 6 and June 13, 9:30am-3:30pm

Presenter: Presenter: Mike Raupp, Ph.D., Professor and Extension Specialist, Entomology, University of Maryland

Reg. Fee: $49; Reg. Deadline: 5/30

Bugs are fascinating. Learn how to recognize them, how they work, and how to safely deal with them as you begin to better understand how they fit into the ecology of the garden. Join the University of Maryland’s “bug man”, Mike Raupp, as he teaches you the wonders of the bug world and Integrated Pest Management (IPM) as only he can do. We are planning some hands-on experiences, outdoor explorations and new learning tools.

In addition to some fascinating insect CSI, this year’s expanded 2-day course will include the fundamental concepts of population biology, community ecology, ecosystem functions and services as they relate to urban ecosystems and IPM. Some topics to be highlighted:

Role of of native plants; Planting to conserve diversity and attract pollinators and other beneficial insects; Managing water and soil resources for maximum benefit of insect populations and ecosystem function; Changing public perception of what constitutes a healthy attractive landscape.

This class will satisfy the Entomology requirement for the MG Plant Diagnostics certificate and will be of great help to those of you working at Ask a MG events.
ORNAMENTAL TREES AND VINES

**Location:** Anne Arundel County Public Libraries and Field trip to the National Arboretum
Monday June 10, Tuesday June 11, Wednesday June 12; 10am-1pm

**Presenter:** Steve Dubik, MG Coordinator, Montgomery County; Instructor, Montgomery College

Registration Fee: $45; Reg Deadline: 6/3

This class will cover approximately 45 ornamental trees and vines. We will go over identifying characteristics, distinguish between confusing look-alikes, and discuss cultural requirements and use in the landscape. We’ll be learning about serviceberries, hornbeam, hackberry, larch, magnolia, snowbell and more - plus vines.

PLANT DISEASES

**Location:** UME, Baltimore County (Cockeysville)
Tues. June 11, 9:30am-3:30pm

**Presenter:** Dave Clement, Ph.D., Plant Pathologist, University of MD Extension

Registration Fee: $35; Reg Deadline: 6/4

Plant diseases often seem like exotic mysteries left up to the experts to solve. Well, guess what- we MG’s can now begin to unravel some of these mysteries ourselves. In this course you’ll learn all about the bacteria, fungi and viruses that cause plant problems. You’ll also learn about their symptoms, cycles and controls. In addition to the lecture and handouts you will get hands-on training using samples. We hope that you’ll feel comfortable enough with the basics of plant diseases to be able to recognize problems in your own gardens and to use the information to competently help clients at plant clinics.

FUTURE CLASSES NOT LISTED ABOVE:

<table>
<thead>
<tr>
<th>Vegetables: Intensive Techniques/Small Space Gardening</th>
<th>UME Frederick Co. Frederick (almost full; we can start a wait list)</th>
<th>Tues. 6/18 &amp; 6/25 9am - 3:30pm</th>
<th>Jon Traunfeld Kent Phillips Don Ludke David Muns</th>
<th>$49</th>
<th>Reg Deadline: 6/11</th>
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</thead>
<tbody>
<tr>
<td>Plant ID/Taxonomy</td>
<td>UME Howard Co. Ellicott City</td>
<td>Wed. 7/10, 7/17, 7/24 9:30am - 12:30pm</td>
<td>Wanda MacLachlan</td>
<td>$35 (plus book)</td>
<td>Reg. Deadline: 7/3</td>
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<tr>
<td>Vegetable Plant and Pest Diagnosis</td>
<td>Howard Co. Conservancy Woodstock (wait list only)</td>
<td>Tues. 7/16 9am-3:30pm</td>
<td>Jon Traunfeld</td>
<td>$35</td>
<td>Reg. Deadline 7/9</td>
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<tr>
<td>Vegetable Plant and Pest Diagnosis</td>
<td>Charles Co. -La Plata (Department of Social Services and Detention Facility)</td>
<td>Th. 7/18 9am-3:30pm</td>
<td>Jon Traunfeld</td>
<td>$35</td>
<td>Reg. Deadline 7/9</td>
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<tr>
<td>Plant ID/Taxonomy</td>
<td>UME Montgomery Co. Derwood</td>
<td>Mon. 7/22, Tu. 7/23, Wed. 7/24; 10am-1pm</td>
<td>Steve Dubik</td>
<td>$35 (plus book)</td>
<td>Reg. Deadline 7/15</td>
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<tr>
<td>Plant Diseases</td>
<td>UME Howard Co. Ellicott City</td>
<td>Th. 9/5 9:30am-3:30pm</td>
<td>Dave Clement, Ph.D.</td>
<td>$35</td>
<td>Reg. Deadline 8/29</td>
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