

The Grapevine

September 2018

The newsletter for Yamhill County Master Gardeners



Oregon State University
Extension Service
Yamhill County

In this Issue...

- YCMGA Calendar 3
- Heather's Highlights..... 2
- Community Garden 4
- Bronze Birch Borer 5
- Photos from G2 6, 7
- More G2 photos 8
- SIG Help Wanted 9
- Facts & Fallacies 10
- Ghost Trees..... 11
- Ghost Trees Cont'd12
- Mac Community Garden13
- June Board Meeting 14, 15

SAVE THE DATE

On **Wednesday, September 12th**
After the Board of Directors' meeting
from 10 to 12, lunch will be provided
from 12 to 12:30.

From 12:30 to 1:30

Jeannie Taylor
will give a talk about

Native Plants

LOTS OF OPPORTUNITIES TO EARN MASTER GARDENER ACCREDITATION HOURS

- Help in one of the demonstration gardens
- Help in the greenhouse
- Write an article for the Grapevine
- Work in the clinic office at Extension Office
- Help on Saturdays in the Community Garden
- Participate in webinars
- Attend and participate in a Board Meeting
- Sign up to help at "Spring into Gardening"
- Watch (and join?) any of the committees

- YCMGA
COMMITTEE
CHAIRPERSONS:**
- Community Garden**
Linda Mason
- Demo Garden**
Gail Price
- Education Outreach**
Nancy Woodworth
- Newsletter**
Donn Callahan
- Farmers' Mkt. Mac.**
Tom Canales
- Farmers' Mkt.
Newberg**
Peter Steadman
- Greenhouse**
Linda Coakley
- Hospitality**
Polly Blum
- Insect Committee**
Robert Grossman
- Library**
Beth Durr
- Photography**
Nancy Woodworth
- Plant Sale**
Pat Fritz
- Propagation**
Ruth Estrada
- Publicity**
Tom Canales
- Scholarships**
Susan Nesbitt
- Seed-to-Supper**
Gene Nesbitt
- Spring into Garden**
Gene Nesbitt
- Social Media/
Website**
Tom Canales



Scenes from the entomology underworld

Salem Hardy Plant Society

FALL PLANT SALE

Saturday, 9/08, 9 am to 3 pm

7185 Lakeside Dr. N. E., Salem

Heather's Highlights

The summer of 2018 is slowly drawing to a close which means Jade and I are starting to think of Master Gardener Graduation. We are beginning to make plans for the event and Jade is tabulating hours from VRS.

Remember that this year we have a **5-hour clinic desk requirement** for veterans (this fits in the direct hour requirement), so if you do not yet have your hours, check out the link to the office desk sign up or the Newberg Farmers Market sign up. (Our desk clinic at the McMinnville Farmers Market ended at the end of

August).

If you would like to come into the office clinic note that our intake load for the season is already starting to slow down, therefore if you wait until closer to the Oct 31st deadline, it will likely be pretty slow in the office.

REMEMBER...

Recertifying veterans need **20** hours of volunteer service (**10** or more direct/indirect hours and up to **10** support hours) with **10** hours of continuing education.

Trainees need **32** hours of desk clinic and **33** hours of volunteer service hours.

Please let Jade or me know if you have questions or are struggling to get your hours completed.

Newberg Market:

<http://signup.com/go/ppFmrKu>

Office Desk Clinic:

<https://teamup.com/ksuivsqe29g6ctjnv1>



YCMGA ICE CREAM SOCIAL



**SATURDAY
AUGUST 11TH**

YAMHILL COUNTY MASTER GARDENER CALENDAR

SEPTEMBER 2018

5 Wednesday

 **NEWBERG FARMERS' MARKET:** NEWBERG, 2 PM TO 7 PM

6 Thursday

 **INSECT COMMITTEE MEETING:** 10 AM TO NOON, PUBLIC WORKS AUDITORIUM

8 Saturday

 **SALEM HARDY PLANT SALE:** (SEE TIME AND LOCATION ON PAGE 1 OF THIS ISSUE)

11 Tuesday

 **"SPRING INTO GARDENING" COMMITTEE MEETS:** 10 AM UNTIL (UP TO) NOON, PUBLIC WORKS AUDITORIUM

12 Wednesday

 **YCMGA BOARD MEETS,** 10 AM TO NOON, PUBLIC WORKS AUDITORIUM
ALL YAMHILL MASTER GARDENERS ARE INVITED TO ATTEND THE MEETING.



SPECIAL EVENT: * 12:00 TO 12:30 FREE LUNCH PROVIDED

* 12:30 TO 1:30 SPEAKER JEANIE TAYLOR ON "NATIVE PLANTS"

* EARN ONE HOUR OF EDUCATIONAL CREDIT AND LEARN SOMETHING NEW!

 **NEWBERG FARMERS' MARKET:** NEWBERG, 2 PM TO 7 PM

19 Wednesday

 **NEWBERG FARMERS' MARKET:** NEWBERG, 2 PM TO 7 PM

20 Thursday

 **INSECT COMMITTEE MEETING:** 10 AM TO NOON, PUBLIC WORKS AUDITORIUM

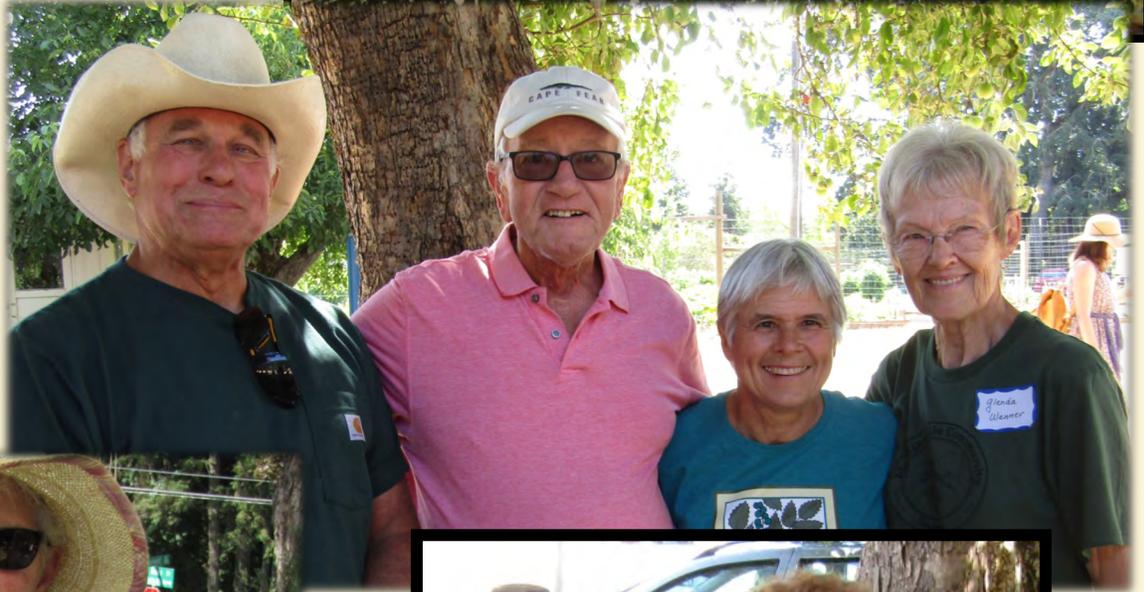
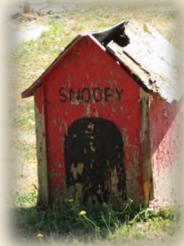
26 Wednesday

 **NEWBERG FARMERS' MARKET:** NEWBERG, 2 PM TO 7 PM



EVERY SATURDAY 9AM - COME HELP OUT AT THE McMINNVILLE COMMUNITY GARDEN

"TO THE ROOT OF IT" PROGRAM @ 9:00 AM. ON RADIO KLYC AM 1260 WITH SHARON & KYLE.



PESKY PROFILES



By Heather Stoven

Keep trees hydrated to Thwart this Invader

The bronze birch borer (*Agrilus anxius*) is an aptly-named beetle which is brown/coppery in color whose larvae bore into birch trees, potentially causing tree death.

Bronze birch borer is an invasive insect that was first detected in Portland, Oregon in 2003 and has been migrating south since this time. In recent weeks I have noticed a great deal of dieback and emergence holes from this borer in birch trees in our county.

This pest prefers European white birch, Himalayan birch, paper birch and others. Least affected is river birch. The dry, hot summer that we are experiencing has stressed our trees, making them more susceptible to attack by this pest. Keeping trees well hydrated, especially those species with high susceptibility, is the best way to prevent the presence of this pest in your trees.

The adult beetles, which are about 1/2" long, lay eggs on the surface of the tree and the hatched larvae bore into the cambial layer under the bark. The feeding disrupts the movement of water and nutrients through the xylem and phloem which can eventually kill the tree.

After pupation in the tree, the adults emerge from 1/5" D-shaped holes, which is a very distinctive symptom of this pest along with the

presence of branch dieback. Also note that sapsucker damage can be confused with bronze birch borer emergence holes; however, these holes are larger (1/4") and often are drilled in rows versus the randomly distributed birch borer emergence holes.



Trees which are experiencing lower-level borer damage can often be saved with insecticides; however you may want to consult an arborist first and be cautious about bee safety if using systemic products. Please see the resources below for more information.

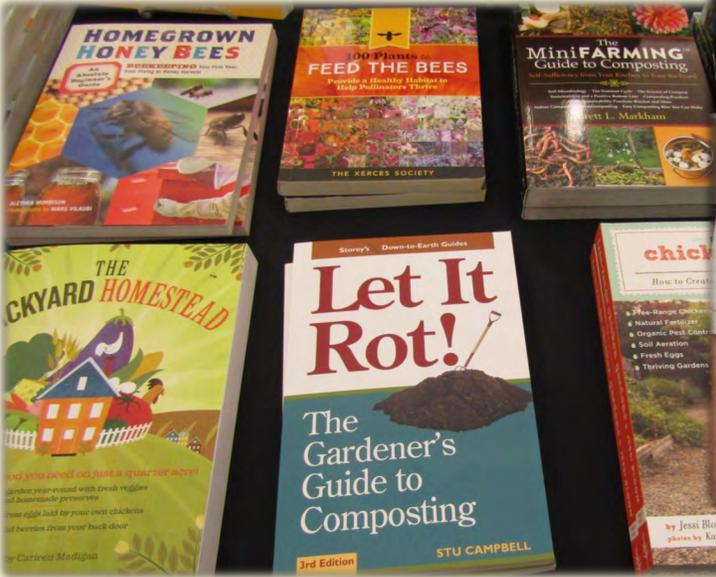
<https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/em9189.pdf>
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsbdev2_043665.pdf
<https://pnwhandbooks.org/insect/hort/landscape/hosts-pests-landscape-plants/birch-betula-bronze-birch-borer>



BORER DAMAGE ON BIRCH BARK



CLOSE-UP OF BORER EXIT HOLES IN TREE

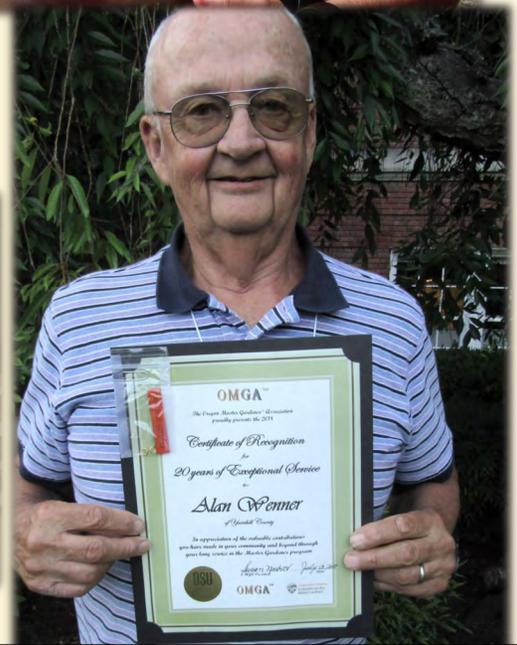


ENTHUSIASTIC G2 Participants

Yamhill: Rita Canales

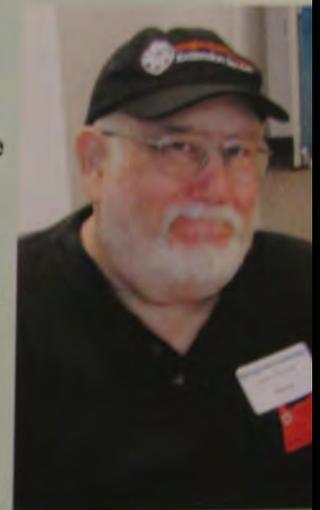
❖ A former California Master Gardener, Rita has been an Oregon Master Gardener since 2015. Since then she has amassed over 655 volunteer hours. Overflowing with ideas and enthusiasm, Rita is the creator and administrator of the YCMGA Facebook page, coordinates plant clinics, and is on several committees. An educator at heart, she's on the Education Outreach Committee, organizes "Lunch and Learn" sessions, and gives a very good talk on vermicomposting. Rita is also the co-chair YCMGA annual educational "Spring into Gardening" workshop. The largest educational project she undertakes is the research and printing of the 13,000 plus plant tags for the plant sale. If all that wasn't enough, Rita is current president elect, for the second year in a row. Her passion is inspiring and contagious.





Yamhill: Terry Hart

❖ Terry has been a Master Gardener for 8 years. He is involved in a variety of committees and has co-chaired the Mentoring Committee. He is also involved in the Scholarship Committee, the Insect Committee, Spring into Gardening, and Master Gardener clinics and desk training. He is always ready to mentor new trainees and is helpful, approachable, and encouraging. His commitment to the Master Gardener program is always fulfilled by him in dependable and complete way. In addition, Terry is always there to offer positive and realistic suggestions to improve activities and programs.





AND MORE YCMGA G2 Participants...



“SPRING INTO GARDENING” LOOKING FOR HELP

(from the “Spring Into Gardening” Committee)

Rita will be stepping down as co-chair due to her new duties as President of YCMGA. We are looking for 2 **Co-chairs in training** to work with Gene for the 2019 Spring Into Gardening Seminar.

Thus far, we have had two members express interest. The 3 co-chairs will share the responsibilities for coordinating the planning and providing support to the various sub-committees. Planning will start in September and culminate with the 2019 seminar on March 16, 2019. The Spring Into Gardening Co-Chairs will also be members of the Education/Outreach Committee.

We also need new members to serve on the various sub-committees including:

- | | |
|-----------------------|-----------------|
| 1. Speakers | 6. Graphics |
| 2. Sponsors | 7. Hospitality |
| 3. Decorations | 8. Registration |
| 4. Raffle/Door prizes | 9. Logistics |
| 5. Publicity | 10. Displays |



All YCMGA members, veterans and trainees, are encouraged to consider becoming involved with the primary YCMGA public educational event. There is a place for your expertise and interest, be it graphic arts, project management, marketing, etc.

If you have any questions, please contact Gene (email: ghnderm@gmail.com) or call: 503 883-9187 or tell Jade you are interested. You will be included in our contact list for a September organizational meeting to be held September 11 at 10 A.M. at the PWA.

THIS IS A GREAT WAY TO LEARN ABOUT THE EVENT, AND TO EARN ALL KINDS OF HOURS FOR ACCREDITATION. WE ARE LOOKING FORWARD TO YOUR INVOLVEMENT!



YCMGA rose demonstration garden



Extreme Topiary

Facts and Fallacies: Sterilizing Pruning Tools

Linda Chalker-Scott PhD. of Puyallup Extension, Washington State U. has researched pruning tool disinfection.

NEVER USE BLEACH TO CLEAN TOOLS! IT IS:

- **Corrosive**, and will pit and discolor blades.
- **Hazardous to health**, aggravating lung problems (such as asthma) if inhaled.
- **Phytotoxic** to living tissue: any bleach left on a blade will damage the plant tissue it touches.
- **Destructive** of clothing, and your skin.
- **Awkward to use**, requiring rubber gloves and safety glasses, and being very difficult to carry with you without spillage.

HERE ARE SOME TIPS FOR STERILIZING PRUNERS

- ⇒ Isopropyl alcohol is one of the best disinfectants: use alcohol dips or a bottle and towel.
- ⇒ Household cleaners (Listerine, Lysol, Pine-Sol) are safe and very effective. Lysol is the best.
- ⇒ Be sure to clean tools of dirt, debris, etc. before disinfecting.
- ⇒ After dipping your pruning tools, be sure to wipe away excess disinfectant to avoid injuring the next plant.
- ⇒ A longer soaking may be needed for pruning surfaces that are not smooth.
- ⇒ Loppers and saws should be disinfected both before and after use.
- ⇒ Like pruners, increment borers should always be sterilized before and after use.
- ⇒ Never use disinfectants on pruning wounds; disinfectants are phytotoxic and cause more harm than good.



See this website for all the details and research involved:

<https://puyallup.wsu.edu/lcs/>

NEW WEBINARS SCHEDULED

NEW! Monday 10/22 at 11am PT

'First Look': OSU Research on Native Plants in the PNW Garden

Speaker: Aaron Anderson (OSU graduate student) <https://learn.extension.org/events/3494>

NEW! Monday 11/19 at 11am PT

The Weird and Wonderful World of Plant Galls

Melodie Putnam (OSU Plant Clinic) <https://learn.extension.org/events/3493>

[Missed a webinar?](#)

Catch up with the 2018 series here: <https://tinyurl.com/yczwxjvr> (opens in YouTube)

THE "GHOST TREE" SEQUOIAS

There have always been some albino redwoods, but only recently has research been done on them. Of course the albino tree lacks chlorophyll, so that it is unable to make food from light via photosynthesis. It is incapable of the one thing that all trees must do to live.

Some look like haphazardly spray-painted bushes, while others resemble the artificial white trees sold around Christmas. Still others are little more than single, luminous branches high up in the canopy.

Albinos are exceedingly rare — there are only 406 in existence, by researchers' latest count. And redwoods as a species are notoriously complex. The trees' genomes have 32 billion base pairs to humans' 3.2 billion, and they carry six copies of each chromosome instead of two. No one has suc-

cessfully sequenced the redwood genome, making it impossible to pinpoint the mutation that causes their albinism.

Redwoods can also clone them-

selves, further complicating scientists' understanding of them. Vast rings of related plants communicate via their roots,

and during the hard months of winter and early spring, they'll distribute nutrients evenly among themselves. Scientists have spilled dye onto trees at one end of a grove and traced it through the root network all the way to the other side.

To stay alive, albino redwoods take advantage of their shared root system by siphoning off sugars produced by their healthy neighbors. People used to think the albinos were parasites, and called them "vampire trees."

But that interpretation doesn't make sense, as redwoods are ruthless about sloughing off unproductive branches. It seems unlikely that they would tolerate a parasite year after year.

Researchers found that the albino needles were saturated with what should have been a deadly mix of cadmium, copper and nickel. On average, white needles contained twice as many parts per million of these noxious heavy metals as their green counterparts; some had enough metals to kill them ten times over. There is a theory that faulty stomata — the pores through which plants exhale water — are responsible: plants that lose liquid faster must also drink more, meaning that the albino trees have twice as much metal-laden water running through their systems.



Albino Sequoia sempervirens

So these albino trees are sucking up large quantities of heavy metals from the soil, basically poisoning themselves, besides being unable to photosynthesize. And, the albinos are more common in areas of worse soil, where there are enough heavy metals to ordinarily prevent any trees from thriving.

Studies have just begun on this phenomenon. Upcoming experiments will involve dousing lab-grown green and white redwoods with nickel to see whether the plants with an albino partner stay healthier. Scientists also want to test whether the heavy metals in albino trees stay bound up in the plants or eventually leak back into the soil.

If this theory of a symbiotic relationship does turn out to be

Trees that store and live with fatal amounts of heavy metals

THE "GHOST TREE" SEQUOIAS, CONTINUED

valid, there could come a time when albino redwoods are planted in polluted areas to help make the soil safer for other trees.

But first the albinos themselves must be kept safe. There is a lengthy list of threats to the rare trees. Overzealous visitors may trample the roots and damage the trees' ability to pump water; a profiteer might see an opportunity to sell naturally white Christmas trees. Years of unrelenting

drought have already taken their toll on California's redwood forests. And even if each albino could be guarded and preserved, what is going to happen to the green Sequoias they depend on for survival?



Comparison: normal vs. albino Sequoia

This article is a condensation and synopsis of an article by Sarah Kaplan of the Washington Post, reviewing research by a doctoral student at University of California, Davis.

Donn Callaham

"CRIMES AGAINST NATURE"



VIEWS OF McMinnville COMMUNITY GARDEN, SUMMER 2018

← (NOT INCLUDING PHOTO ON LEFT)



*A Few short notes due
to the heat,
and about the heat...*

McMinnville Community Garden



We are in the peak of the harvest season with over **1000 lbs.** of fresh produce harvested and delivered to YCAP **WEEKLY**. The majority being tomatoes.

The Grand Opening of the Community Garden was a great success both for Public Relations and as a fundraiser. Special thanks go to Cathy Burdett and Polly Blum for their superb contributions to our silent auction. Also to Polly for serving food and beverages.

On a non-scientific note: on a 90 degree sunny afternoon, the temperature on top of our black ground cover was 140 degrees, on top of the wood chips, it was 100 degrees. This most certainly contributes to our growing success on the hot weather crops.

The photos below are from the 4 corners of the garden in early August from as high as I could fly.



Alan Wenner



YCMGA Board Meeting Minutes**June 13th 2018****The President called the meeting to order at 9:57 on 6/13/18****IN ATTENDANCE:**

Donn Callaham	Pat Fritz	Gail Price	Heather Stoven
Polly Blum	Rita Canales	Linda Coakley	Carol Parks
Ruth Estrada	Nancy Woodworth	Marilyn McGregor	Jan Coleman
Mary Murphy	Alan Wenner		

Secretary's notes for January: Rita motioned the notes for April be approved, Carol seconded, and no one objected.

Treasurer's Report: Carol sent out the financial reports via email several days ago. Gross from the MGA plant sale was \$28,000. Net is not available but less than \$10,000 was budgeted and not all of that was used. At the end of May YCMGA had about \$50,000, with major expenses already paid.

President-elect report: Anticipating that she will win the election and become president, Rita opened the floor to anyone to volunteer to be president-elect for next year.

Heather Report: Heather is pleased that the desk coverage is now going very well with the new calendar set-up. Time at the desk is covered completely by Master Gardeners, and some of the trainees are now working on their own.

Education/Outreach Committee: Both the clinic at Kraemer's and the one at Edwards Elementary were cancelled, because no one signed up for either. Nancy rescheduled the Kraemer's one; Fuchsia Day went well. At the Farmfest the clinic box appeared to be missing most of the important elements, even though both Rita and Jade had inventoried and updated the box. No one has signed up for the Mac Garden Fair (taking place Sunday, June 24th, from 8:30 am to 4:30 pm.) The Pollinator Day at Michael's farm is booked solid, so no more attendees are allowed. There is a chance that Heather will do a one-hour talk on her ongoing work with Neil Bell. It will probably take place in August, date TBA, perhaps at a board meeting. There will be a native plant talk by Jeannie Taylor either at the Sept. 12th board meeting, or the weekend before at her place. RE: field trips: Polly tried to set one up with Heirloom Roses, but they no longer accept the public. Ruth brought up the FarWest Nursery Show. It is a trade show, but there are some tours and lectures. There will also be an August meeting at Will's winery and on 8-11 Rekha will teach lei-making at the ice cream social.

Community Garden: MV Advancement (formerly Mid-Valley Workshops) will be using all of the all-access beds; all student raised beds are taken; there are 8 new Seed-to-Supper students who are participating enthusiastically in the garden. Sixteen Duniway Middle School students spent time weeding and planting green beans. The Community Garden GRAND opening will be on Saturday, July 28th. Family Planting Day was a success, with 15 children. There were 4 successful organic gardening classes, and there are now 25 sponsors for the garden.

Fairgrounds Demonstration Garden: Gail reported that the garden is still there, though planting was late. It's mostly planted now, so work is focusing on the pavilion islands, a few of which may be removed. Various ways to try to kill the alum were discussed, with the conclusion that it is a survivor. There has been competition for helpers as the demo. garden and greenhouse activities coincide. Rose-pruning will be a group event on Tuesday June 19th at 9 am.

McMinnville Farmers' Market: Rita brought up the fact that not enough people sign up for the booth, particularly setup and teardown. When no one else does those chores, Tom does them. People agreed that that is not a functional state; if more volunteers do not appear, the future of the Farmers' Market booth will be decided at the annual planning meeting.

G2: The event will take place from July 12th to July 14th, and on the 12th there will be a 4 pm reception and welcome. Auction items are certainly needed, as are more loaned carts. (Alan promised 3). Jan, who claims she was brought out of mothballs for this task, says that help is needed for the setup phase, and between classes.

Seed-to-Supper: All programs have been completed, with a high graduation rate. All 8 students were able to reserve beds. Gene is organizing for next year, and food preservation classes will be held this summer.

Perennial Propagation: Excess plants from the sale have been donated to various entities. On July 19th there will be a presentation re: weeds and on June 26th a class on propagation by Master Gardeners from the Dalles.

Plant Sale committee: Pat had an appointment to talk with fairgrounds personnel about setting sale dates for the future. (She did this later, and had a very successful session). County Commissioner Stan Primovich is the liaison now for the Fair Board, but to date his participation is not needed.

Unfinished Business: The ideal date for graduation would be November 14th, though November 7th or December 12th would work. Members informally voted for the 14th, and Heather will confirm Heritage Center availability for that date with RaeLinda.

Fall Planning Meeting: The group informally agreed upon October 27th (Saturday) for the meeting, which will begin at 9 am and end when it is finished. Our very special Public Works Auditorium has been reserved for this event. As usual, there will be potluck.

McMinnville Community Garden Grand Opening: MG volunteers are needed to operate a plant clinic at the event, which is on July 28th from 10 am to noon. Signup is online, and Alan promised that people can just show up unannounced, there is no work involved, and there will be treats!

OMGA report: Tonia, Sue, and Nancy spent the first 2 days of June in Roseburg at the OMGA meeting. Ideas are needed as to how to divide the responsibilities of G2 evenly among the chapters. Plans are to have the event in different regions of Oregon, not only at Linfield as in the past. The general feeling is that Yamhill MG's have been too accommodating and thus burdened with most of the responsibilities, even this year. The representatives found it interesting how different chapters have widely different expectations and requirements for volunteers, from very strict to quite lenient. Nancy mentioned that the 3 representatives got along well on this trip, and Tonia slowly agreed, seemingly reluctantly. (Sue was not present). At the end of the meeting Nancy shared a slide presentation she had prepared, showing the totally impressive Demonstration Garden in Roseburg. The garden is located in a public park, covers one acre and is stunning in everything from variety of gardens to signage. Nancy's presentation was very successful in making the Yamhill M.G.'s jealous and depressed.

At 11:55 Carol happily motioned that the meeting be adjourned, and Tonia seconded the motion. Next meeting will be on the usual date- - July 11th.



BOARD MEETING





Yamhill County Extension
2050 NE Lafayette Avenue
McMinnville, OR 97128-9333

<http://extension.oregonstate.edu/yamhill>



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The Grapevine

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GENERAL MEETINGS OF THE YAMHILL COUNTY MASTER GARDENERS™ ASSOCIATION ARE ANNOUNCED IN THIS NEWSLETTER AND ARE OPEN TO THE PUBLIC.

CONTRIBUTORS VARY BY MONTHLY EDITION.

GRAPEVINE EDITOR: DONN CALLAHAM

<http://extension.oregonstate.edu/yamhill/>

Yamhill County Master Gardener™ Association Executive Board

President: Pat Fritz

President-Elect: Rita Canales

Secretary: Donn Callaham

Treasurer: Carol Parks

OMGA Rep: Nancy Woodworth

OMGA Alt.Rep: Tonia Beebe

Members at Large: Tom Canales
 Susanne Beukema

Heather Stoven, Yamhill County Extension Faculty for Community Horticulture

