



Newsletter of the Central Oregon Chapter of OSU Master Gardeners™





Agapostemon virescens halictid bee

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Tresident's message

Have you asked someone in COMGA, "Why did you become a Master Gardener?" The answers are very revealing and, yet, familiar.

Many of us have taken the classes, as I tell people, to stop killing plants. But why are some of us still here, volunteering hundreds of hours, spending our free time to learn about diseases and insects so we can help homeowners figure out how they can stop killing plants?

Is it too much to say we love being the faces and the voices and the spirit of OSU Extension Service's Horticulture program? Is it that we're proud to be able to make our small Central Oregon world healthy, productive and even beautiful, in spite of living in such a challenging environment?

The Redmond Demo Garden is such a beautiful garden, it's a pleasant contrast to working in my own yard, but the other Master Gardeners have made the 'work' anything but that. Last week, removing the hop vine (it filled a pickup truck bed!) was a communal event since we were sweating and groaning and pulling as one.

After three hours hard work, birthday cupcakes arrived (Happy Birthday, Rocky and Amy Jo!). And for me, it became a real Master Gardener moment when Amy Jo ran into the Office for napkins and we all laughed, wiped our hands on our jeans and ate some great treats (thank

you Toni and Liz!). By the time Amy Jo came back with the napkins, we were all looking for a second cupcake.

And that's why I remain a Master Gardener – Amy Jo is a sincere, gifted, fun teacher and we're the happy goofs in the back of the room, eager to be in her class but unable to resist our own silly inclinations. And that's why we'll all be celebrating her hard-earned, well-deserved professorship.



Please Join Us in Celebrating Professor Detweiler! Saturday, June 22nd, 5 p.m.

Please join the Central Oregon chapter of OSU Master Gardeners[™] and guests to honor Amy Jo at this milestone in her career. You are invited to a casual but festive potluck dinner on June 22, 2019. Family members are also invited.

Please bring a dish to share and your own alcohol if you want it. Soft drinks, plates, cups and utensils will be supplied.

You can RSVP using evite: http://evite.me/Be8TSyHGXS You can find directions to the Celebrations at: www.gocomga.com/celebrationdirections

Getting to Know You! By Carolyn Tate

What words of wisdom do Police Officers and Master Gardeners share? At least in the case of retired Portland Police Officer and current Master Gardener Kris Wagner, quite a few!

With her BS from Portland State in Administration of Justice, Kris worked in several law enforcement settings, beginning with the Multnomah County Sheriff's Department. Then she spent 24 years in the Portland Police Bureau, taking calls as a patrol officer, later working as an investigator, a detective, a hostage negotiator, and finally in training. "I liked it because it was different every day. Being a Police Officer is a great job for a curious person who sees something that doesn't look quite right and wants to find out why that is. You can follow the strings and put the puzzle together." Hoedown readers, I ask you, does this describe Plant Clinic?

When Kris started working in Law Enforcement in the late 70's, there were not many women on the force. Often, she would be the only woman on shift, on a call, or in the training. She got used to it. Thankfully, some very competent women had preceded Kris on the job, paving the way for her. And most of the time, her attitude of "I'm just here to help out" encouraged cooperation among her fellow officers. She reports that when she wore a uniform she was treated well by other officers. "You get what you give," she said.

"When I was a Police Officer," she continued, "we were trained to enter a situation by expecting the best but being prepared for the worst." When this writer heard that she had to laugh. These words make a lot of sense for Central Oregon gardeners, for example, when trying to grow tomatoes!

Since retiring, Kris has spent 11 years in Central Oregon, on some acres near Tumalo Reservoir road. She began the Master Gardener program first to improve her own knowledge of her new home.

"The science-based approach and advice is really appealing to me. It is all about helping people with their own gardening in a way that is not anecdotal. Here's the research, here's why this approach works. This is different from police work, which is more about assessing the emotional dynamics of a situation. Police work is much more squishy." So now, she really enjoys spreading the word about science-based approach to gardening.

Kris has lots of praise for the online advanced training. She recently participated in Gail Langellotto's webinar on bees, for example. "It was so interesting, with some review but lots of new information. I really enjoy those classes."

Kris finds that gardening is a microcosm of life in general. "My philosophy is simple, leave it better than you found it. If I can bring joy to the bees, the people who drive by my garden, and joy to myself for working in it, that would fulfill me."

I think she is succeeding – it made me smile just to have tea and talk with her.

COMGA Calendar for contact persons go to gocomga.com

<u>June</u>

1 COMGA Plant Sale, 9-noon

4 OSU Demo Garden workday, 9am 4 KPOV, 88.9 FM, 9-9:30am, Colchicum—Autumn Crocus 6 Board meeting, 5:30pm, OSU Extension Office, Redmond

8 OMGA board meeting, Jackson County

8 Hollinshead class, Organic Weed & Insect Control, 10am, Bend

11 KPOV, 88.9 FM, 9-9:30am, IPM part 2

12 Hollinshead class, Waterwise Series, 6-8pm

13 Waterwise Education Garden workday, 10am

18 OSU Demo Garden workday, 9am

18 KPOV, 88.9 FM, 9-9:30am, Invasion!

19 Hollinshead, Waterwise Series, 6-8pm 25 KPOV, 88.9 FM, 9-9:30am, Garden Pollinators

26 Hollinshead, Waterwise Series, 6-8pm

27 Waterwise Education Garden workday, 10am

27 Hollinshead Community Garden meeting, 10:30am

July

2 OSU Demo Garden workday, 9am

2 KPOV, 88.9 FM, 9-9:30am,

6 NWXCG class, Kids in the Garden, 9:30am

9 KPOV, 889 FM, 9-09:30am, Hot Weather Vegetables

11 Waterwise Education Garden workday, 9am 11 Board meeting, Liz Anderson's home, 5:00pm, potluck

13 Hollinshead class, Kids in the Garden, 10:00am

16 OSU Demo Garden work day, 9am 16 KPOV, 88.9 FM, 9-9:30am, High Desert Garden Tour

20 OSU High Desert Garden Tour

23 KPOV, 88.9 FM, 9-9:30am, Pollinators 24 Hollinshead class, Select & Maintain Water Wise Shrubs, 10:00am

25 Waterwise Éducation Garden workday, 9am

25 Hollinshead Community Garden meeting, 10;30am

30 KPOV, 88.9 FM, 9-9:30am, Powdery Mildew

<u>August</u>

- 1 Board meeting, Rocky & Toni's home, 5:00pm
- 3 NWXCG, Open garden, 9:30am-12:00pm
- 6 OSU Demo Garden workday, 9:00am
- 6 KPOV, 88.9 FM, 9-9:30am, TBD
- 8 Waterwise Education Garden workday, 9:00am
- 13 KPOV, 88.9 FM, 9-9:30am, Tending Arborvitaes 17 Hollinshead Open Garden, 10:00am-2:00pm
- 20 OSU Demo Garden workday, 9:00am
- 20 KPOV, 88.9 FM, 9-9:30am, TBD
- 22 Waterwise Educational Garden workday, 9:00am
- 22 Hollinshead C G meeting, 10:30am
- 27 KPOV, 88.9 FM, 9-9:30am, TBD

Newsletter Notes: Deadline for submission of material to the HoeDown is 1st Friday after the board meeting. All articles, notices and other journalistic efforts are welcome and appreciated. All information provided by the "HoeDown" is believed to be accurate but readers must assume all responsibility for their own actions based on this information.

Occasionally a product or company may be named in an article but this does not necessarily constitute an endorsement of said product.

Published by : COMGA Send ideas & articles to:

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COMGA 2019 PLANT SALE

Another successful year for the COMGA Plant Sale on June 1st, from 9 am until noon. The waiting line started forming about 8:15 am and by 9:00 am there were 200 potential customers lined up when the sale opened. By 9:15 am, 274 customers had passed through the line and by noon, there were 568 customers attending our event. We started with 1376 plants some varieties sold out within 20 minutes! We transplanted 450 tomato seedlings but had to discard 85 that didn't survive. The last 7 Pak Choi sold at 11:50 am leaving us with no unsold leftover plants.

After purchasing COMGA plants many customers stopped by the booths set up near the cashiers to see and discuss issues about Insect ID and Integrated Pest Management, Mobile Plant Clinic with Professor Detweiler and 2 Veteran MG's, OSU Master Food Preservers and our book sale table. Many customers also took a self-guided tour through our OSU Demonstration Garden taking pictures of the landscape plants including the plant labeling for their ID purposes.

There were 10 vendors out in Parking Lot J and most did really well with their sales and some even went back to their nursery to bring more plants to sell that

Here's the figures you've been waiting for:

Total Gross Income was \$ 4,684

This includes: 3-4" potted plants (1376) row cover (14 x \$10) soil thermometers (8 x \$5) Vendor fees (10 x \$25) book sales donations	\$ 4118 \$ 140 \$ 40 \$ 250 \$ 122 \$ 14
Expenses: seeds seed germination mix potting soil blank labels OSU greenhouse utilities Ads and postcards greenhouse door sweep & sealer Pay Pal OR Dept. of Ag. Nursery permit misc. items-bleach, fert. & copies Lots of volunteer work!!! Total Expenses:	\$ 122 \$ 48 \$ 220 \$ 110 \$ 400 \$ 135 \$ 33 \$ 30 \$ 5 \$ 23 priceless \$ 1126

Net Income of \$3,558

Thank you everyone that volunteered working in the greenhouse in April and May, sorting and pricing books, teaching and assisting classes for seed starting in April and for seedling transplanting in May and of course volunteering for the COMGA Plant Sale Day!

Vicky Kemp, Plant Sale Project Coordinator,



Project updates

Hollinshead Community Gardens By JoAnne Abbott

As the HoeDown goes to print this month, Hollinshead Community Garden (HHCG) will have been open a short 6 weeks for the 2019 growing season. We're already seeing loads of veggies and flowers showing *their* hardiness, even with the downpours and cooler weather we've been receiving.

This years HHCG *hardy* volunteers include Nancy Glick as coordinator

Mentors: Patty Achterman, Cathy Coutin, Evie Cox, Nancy Crossan, Sheila Dell, Kathi Keller, Mary Ann Hart, Jeff Orr and Anne Perce

Mentor Assistants: Kate Applegate, Donna Brandon, Sharon Buell, Marilynn Friley, Susanna Harrison, Nathalie Smith

Food donation: Mary Ann Hart, Marilynn Friley and Evie

Cox

HoeDown: JoAnne Abbott

Lynn Adamo in charge of the Bulletin Board

Raised demo beds: JoAnne Abbott and Susanne Harrison HHCG Handbook brought to you by Kris Knoernschild & JoAnne Abbott

COMGA's mission is *to TEACH, PROMOTE and SUPPORT*. We take this mission seriously at HHCG too! We offer classes for our gardeners *AND* the community at large throughout the gardening season. This year is no different. We began the season with JoAnne teaching a class on May 11, about choosing veggies for a short season garden. There were approximately 10 people who attended. Following the 'didactic' part of the class, we toured the garden to see what was planted *early* in the season and discussed the need for season extenders. We even had a conversation about lady beetles, aphids and earwigs! Fun stuff!

This past Saturday, June 8, Pat Kolling, JoAnne Abbott, Janet Dart and Rosie Metcalf presented a class on **Organic Weed and Insect Control**.

In the following weeks, there are three classes brought to you by our Water-wise coordinators, Pat Kolling and Chris Miao, in conjunction with the City of Bend:

6/12/19, 6:00-8:00 p.m.: Water-wise Drip Irrigation Basics

6/19/19, 6:00-8:00 p.m.: Water-wise Landscape Transformation

6/26/19, 6:00-8:00 p.m.: Water-wise Pollinator Gardens

The classes start out in the Hollinshead Barn, and many times move out into the Water-wise garden. The classes put on last year were very popular, so I hope you'll attend.

In July and August we have more classes planned, such as Kids in the Garden, another Water-wise class and our annual HHCG Open Garden. Believe me, the planning for these events have already begun. Mark your calendars!

We look forward to seeing you in the garden.

2019 Hollinshead garden early stages

Northwest Crossing Community Garden

Gardeners have been squeezing between weather patterns to get their planting done. A killing frost mid-May reminded us that in spite of warm summer-like weather, caution should be exercised when selecting cold vulnerable veggies for transplanting when it is still early on the calendar. A few tomato plants were lost, but everyone has recovered. As we walk around the garden we can see lots of lettuce, radishes, peas and even a few bean sprouts coming up from seed and growing well. Transplanted veggies, including tomatoes, show excellent growth. Multiple beds have big, robust stalks of garlic getting ready to send up their scapes. As of this writing there will be a couple of nights with lows near freezing, so cloche covers should be lowered and other plant protections like walls of water, put in place. Our rodent friends have been keeping a low profile till now, but here and there little teeth marks are visible. They're only just wetting their appetites. Many gardeners have most of their planting done, so now it is time to bring on the heat and watch it grow.







Project updates

Water-wise Education Garden

Submitted by Pat Kolling and Chris Miao

The Hollinshead Water-wise Garden is in bloom! Many of the plants that bloom early are making a great showing now – so if you haven't seen the garden, now is the time to visit.

Another great reason to visit the garden: COMGA is partnering with the City of Bend to hold a series of classes at the garden in June. They are from 6-8 PM starting at the Hollinshead Barn, 1235 NE Jones Road, Bend and will include instruction in the water-wise garden. The topics and dates are: June 12 – Water-wise Drip Irrigation Basics, June 19 – Water-wise Landscape Transformations and June 26 – Water-wise Pollinator Gardens. For more information go to the COMGA website. Registration is required at www.extension.oregonstate.edu/deschutes. Scroll down to Upcoming Events and register. See you there!

IT'S KPOV TIME GARDENING: GET GOOD AT IT

Tune in to The Point on KPOV 88.9 FM, every Tuesday between 9:00 and 9:30 AM.

Here is our lineup of upcoming Gardening: Get Good At It segments.

June 4 Colchicum—Autumn Crocus

June 11 IPM Part 2

June 18 Invasion!

June 25 Garden Pollinators

June 30 Powdery Mildew

OSU Extension Demo Garden

The 2019 Master Gardener trainees are AMAZING in their positive spirit to volunteer at the various gardens and in their enthusiasm to "learn more" each workday. A big thank you to all.



Our next scheduled workday is Tuesday June 18. If all goes well, there will be a major planting of the OSU Demo Garden annual beds. Bring water, sunscreen and energy!

Vicky Kemp & Liz Douville



No matter how big or small a garden is, There is never enough time to get everything done.

Texas Bix Bender



Phacelia species



LOWDOWN FROM THE BOARD

MEMBERS PRESENT: Nancy Glick (President), JoAnne Abbott (VP-Community Education), Vickie Minor (Secretary), Jan Even (Historian), Gary Weber (OMGA State Representative), Rocky Bessette (Communications Liaison), Liz Douville, Carroll Minium, Nathalie Smith, Vicky Kemp, Kirsten Hinton, Rosie Metcalf, Donna Brandon and Karen Finney.

The meeting started at 1:00 PM and adjourned at 2:35 PM. The board discussed the following items:

Approval of minutes of previous meeting (Nancy Glick)

Motion to approve the minutes made by Rocky Bessette, seconded by JoAnne Abbott; motion approved.

OSU Report (Amy Jo Detweiler/Toni Stephan)

There was no OSU report this month.

BOARD REPORTS:

Treasurer's Report (Tim Schindele)

Tim was absent but he circulated the report prior to the meeting. Income in May was primarily from the community gardens opening. The major expense was for reprinting the Vegetable Gardening in Central Oregon booklet, which COMGA agreed to help fund from the Opportunity Fund. JoAnne Abbott moved to accept the report, Jan Even seconded the motion, which was approved by the board. Nancy noted that COMGA will give a donation to the horticulture program sometime in July or August.

Membership Report (Jolene Dodge)

Based on the membership income in the budget report, it appears that membership has not changed from last month.

OMGA Rep Report (Gary Weber)

Gary has spoken to Brooke Edmonds about the funding to continue the webinars. All webinars are approved for advanced training so there is interest in continuing them. Brooke advised Gary that she has received enough funding to keep creating and broadcasting the webinars, so there is no need for our chapter to donate at this time. Her intent is to create ten new webinars per year and to have them available on You Tube after broadcasting. The expenses of creating and broadcasting the webinars are primarily the production costs and the cost for the subscription to Zoom to host the live webinars. Gary also reported that OMGA is aware of the funding issues for the webinars.

Advanced Training: Fire Season (Kathy Geary)

The next COMGA general meeting will be held at Kathy Geary's house, 19210 Doe Lane, Bend, on June 29, 2019, from 1:00 - 3:00 PM. Ruth Mulligan and Chris Miao will be presenting information on emergency preparedness and fire safe landscapes. Although the topics do not qualify for advanced education credit, they are important to all of us with fire season starting. If you plan to attend, beverages will be provided but please consider bringing a picnic lunch and/or food to share.

Next Board Meeting (Nancy Glick)

The next board meeting will be July 11, 2019 at Liz Anderson's house in Powell Butte. Directions will be included on the agenda for the July meeting. This will be an evening meeting, potluck style.

ACTION ITEMS:

Request for new proposals (Nancy Glick)

Nancy mentioned this last month and is revisiting it again to clarify the process. Our policies and procedures note that new project proposals may be submitted at any time. The form is available on the COMGA website. Once the proposal is submitted, it goes to a review committee, which discusses, rates and approves or denies the project. Approved proposals then go to the budget committee to assess financial commitment and once approved there, the proposal is submitted to the board. The form is simple to complete and includes all the information needed for consideration. Through these minutes, we are asking if anyone has a new project and if they do, to complete the form and send it to Nancy Glick.

Inventory Update (Nancy Glick)

Nathalie Smith has been working on an initial draft of questions we need to consider for an asset management system. Vickie Minor noted that we need to identify what we have, where it is, and to determine what information we want and need to collect. Nancy briefly described Nathalie's draft document. After discussion, Vickie will send an email to the people who volunteered to be on the inventory committee, to get the process started. A meeting will be set for later in the summer. Vickie will also ask that if anyone already has existing lists of tools and equipment at a location, to forward those lists to her.

Plant Sale Project Review (Nancy Glick)

Sherry Marler, Martha Rogers, Victoria Butler, and Liz Douville have volunteered to do the review. Vicky Kemp will be available to provide information. Nancy has a description of the project review if anyone is interested.

Open forum (anyone)

There will be a gathering at Kris Knoernschild's house, 18850 Couch Market Road, Tumalo, on June 22, 2019 at 5:00 PM, to celebrate Amy Jo being promoted to full Professor of Horticulture at OSU. For more information, contact Nancy Glick.

PROJECT STATUS REPORTS:

Community Education (JoAnne Abbott)

Two classes were held on growing short season veggies, taught by Patty Achterman at NWX and JoAnne Abbott at HHG. Jennifer Gold did a transplanting class at the extension office and Pat Kolling and JoAnne will do a session on Organic Pest and Weed Control at HHG. The classes have been well advertised but attendance has been low. Despite the low attendance, we are getting good evaluations on the sessions. Susanna Harrison is scheduled to do Gardening with Kids at both community gardens and she will need help with these sessions.

Continued on page 7

LOWDOWN FROM THE BOARD continued

Discussion followed on other experiences we have had doing sessions at some of the senior facilities. The consensus is that we are spending a lot of time in preparation and presentation, where there are few participants or the facilities are not prepared for us, even though they asked us to come.

OSU Demo Garden (Vicky Kemp/Liz Douville)

The All American Selection was transplanted last week, there are three trays that will be ready for transplanting next week, and some direct seeding will be done. Vicky and Liz noted that there have been more people helping with the garden work days this year. As a result, the garden is looking better. When the addition is finished, there will be more garden areas to take care of through the season. Our discussion included how the garden represents the master gardeners and OSU, and the educational tool it is for the public.

Hollinshead Garden (Nancy Glick)

Nancy noted that there are challenges managing the irrigation needs of the garden remotely. Mary Ann Hart is keeping track of the weather and a key issue is knowing when the garden needs water. Evie Cox and Elizabeth Weide will be running the Open Garden in August.

Home and Garden Show (Vickie Minor)

164 people attended six free classes, and 615 people visited the plant clinic booth. The classes offered were Best Vegetables for Central Oregon (offered on Friday and Saturday), Growing Tomatoes, Waterwise Gardening, Growing Strawberries, and Planning Your Garden. Vickie noted that at least half of the people we saw were completely new to the area. For the full report, see the May issue of the HoeDown.

NW Crossing Garden (Gary Weber)

Gary reported that things are going well this year. A key objective was to get the gardeners engaged so they would set up their beds and cloches. He reported that most are doing well, people are getting their beds planted and the irrigation system is up and running. Some gardeners did not do barricades against the critters so there may be a learning curve with them. One of the raised beds in the middle of the garden has been turned into a demo bed and has a "day of planting" study going on with beans. Only one variety was planted, but on different dates so it will be a good educational exercise for everyone. Gary noted that about \$500 worth of materials that have been sold to the gardeners.

Plant Sale (Vicky Kemp)

This is Vicky's 4th year doing the plant sale and if anyone is interested in taking over for her, let her know. A full report is attached to the paper copy of the minutes. The sale was June 1st, from 9:00 - 12:00 and 568 customers attended. 1376 plants were available and some varieties sold out within 20 minutes. At the end of the day, there were no unsold leftover plants. There were 10 vendors in the parking lot and most of them did extremely well with their sales. There was also a mobile plant clinic, a used book sale and the master food preservers had a booth. The total gross income was \$4,684, and net income after expenses was \$3,558. Vicky noted that it helped to have

the conference room available the two days before the sale, to do the book setup and to stage things for Saturday morning. Vicky thanked everyone for their help. Karen Finney reported that she thought more people attended than the "clicker" noted because people were parking all over the fairgrounds. JoAnne reported that it was helpful having someone available until the end to explain about transplanting tomatoes. The Redmond Garden Club also had a tomato planting station. We discussed the issues with the water in the greenhouse and even though there were new nozzles and mats, there were still problems getting water to all the plants consistently. There were also some problems with the way the seeds were started, which caused some plant losses early on. There will be a post-sale meeting to critique the sale and how everything worked. This is in addition to the project review.

Waterwise Garden (Chris Miao/Pat Kolling)

No one was present to report.

Nancy noted that elections will be coming up in August. The Treasurer, Secretary and VP of MG Education have agreed to continue. We will need a nomination committee for President, VP-Community Education, and Historian. The President appoints all other positions.

No other business was discussed and the meeting adjourned.

Respectfully submitted,

Vickie Minor, Secretary



Meet the Trainees

Ed Mierjeski

Does this guy look familiar? You may have seen him around — in the courthouse, at Cascade Theatre, or declaiming lines while hiking Pilot Butte in the evening.

Ed Mierjeski said goodbye to Ithaca NY and arrived in Oregon in 1978, in a VW bug with his dog and all his boxes. An Oregon State Trooper welcomed him with a speeding ticket.

Upstate New York had offered him lots of opportunities, like photo journalism in the *Good Times Gazette*, caring for 30,000 chickens, and selling fire alarms. But he decided that odd jobs were for the birds. So with his political science degree he applied to, and was accepted by, several law schools. He chose Lewis and Clark in Portland because it had a good reputation and was about as far as he could get from Ithaca.

To pay his way, he worked in the Law School cafeteria. One day a fellow student, who was clerking for a judge in Oregon City, asked him to take over his job. He did, and there Ed witnessed many trials and lawyering styles, which put him in a great position to be a public defender.

Upon graduation in 1982, Ed became a Public Defender in Deschutes County. For 31 years, he served as a courtappointed attorney for thousands of indigent people. "I felt like I was making a difference in people's lives," Ed explains.

However, about three years into his career, Ed felt he needed a creative outlet. He discovered community theatre and a new passion. While he raised his son Alex he took a hiatus from acting. But then he and the family saw an outdoor production of *Cyrano* in Ashland. As the flags fluttered against the setting sun and the blare of trumpets caused Ed to tingle all over, he recognized that his passion for theatre had reignited. Since 1985, he has performed in over thirty plays at Cascades Theater, Second Street Theater, and Tower Theater. These include *Spamalot*, the musical, *The Producers*, and an original production of Studs Terkel's *Hard Times*.

Once he decided to retire, it took six months to wrap up his cases and exit the world of law. Now, however, he can return to some of the interests he had put on the back burner. He bakes sourdough rye and enjoys cooking. He had loved gardening since his childhood on Long Island and had even considered a Horticulture degree.

He had wanted to do the Master Gardener program for several years. "The program is great," Ed says. "I loved the presentations, the binder, the mentors, the guest speakers. I'm impressed with the handouts and visuals. Now I take photos of plants in odd situations. And Amy Jo is a great organizer."

He says knowing more about plants helps him appreciate them at a deeper level. It also aids his contributions to the garden at Higher Ground, where he and his wife live.

He and Sarah are avid travelers. They have taken jungle adventures along the Amazon and have explored Amsterdam and Copenhagen, where the government has developed efficient technologies to allow people to travel largely on bicycles.

Looking toward the future, Ed has a pragmatic view. He wants to become more self-sufficient and to leave a smaller carbon footprint, which has included getting rid of one car. And he wants to inspire young people to become environmentalists and citizen activists. Whether his feet are on the stage, his mind is focused on legal assistance, or his hands are in the earth, it's hard to imagine a more energetic and inspiring person.



Star Lily or Sand Lily



What a delight to find this diminutive lily along a path where we live in the Shrub/scrub habitat that surrounds southeast Bend. In Oregon it is only found in east side forests. Nationally it occurs in prairies, sagebrush grasslands and deserts in western North America from Oregon east to South Dakota and south to Utah, California and New Mexico. Only about 3" high, each flower has 6 white tepals (petals and sepals are alike) clustered in groups of 4-8 in the center of a small mound of green linear flat leaves.

The plant is monotypic with only one species in the genus. Once the plant has flowered, its above ground parts wither away and the ripened fruit remains underground. There is much speculation as to how the fruit is dispersed although the most plausible is by animals who transport it beyond the parent plant.

Photo credit: Samantha Shearer https://www.fs.fed.us/wildflowers/

Submitted by Judy Shearer

Ward's Weed



Ward's Weed (*Carriachtera annua Capparales/Brassicaceae*) is a new introduced invasive species that has been located in three separate infestations in San Diego County California. While not an immediate concern to central Oregon, it could pose a considerable risk if it were to spread to our region. It is well adapted to a Mediterranean climate surviving dry conditions (10-15 inches of rain per year) and temperatures between 30 to 75° F. It is capable of invading rangelands, grasslands, pastures or any disturbed site. An annual, it can produce as many as 30,00 seeds per plant/per year.

Similar in appearance to the native western tansy mustard, it has small deeply divided leaves and 4 petaled light yellow flowers in the shape of a cross. Leaves, stems and fruit are bristly with small downward pointed barbs (see illustration). The seed pods 2-3" long are easily dispersed by animals, vehicles, and on clothing. Growing compactly, similar to a tumbleweed, it can form a thick mat which becomes a fire hazard.

It is hoped that eradication is a possibility because infestations are small and were promptly discovered however the plant reproduces only by seed and if it did go to seed those seeds could last for years in the seed bank so constant vigilance on the populations for newly emerged seedlings is critical over time.

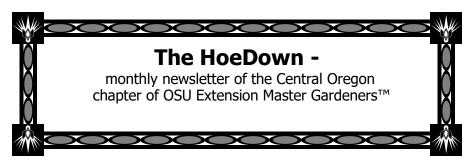
http://ucjeps.berkeley.edu/eflora/eflora_display.php?tid=82303 Submitted by Judy Shearer



Central Oregon Chapter of OSU Extension Master Gardeners^{rm} 3800 SW Airport Way Bldg.#4 Redmond, OR 97756



Crook
Deschutes &
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