

November 2016

garden time

A Digital Monthly Magazine for Your Garden & Home

**Al's Evening of Lights
Prince of Yuletides**

Horseradish
Easy Deck Coverings
SOLEXX GREENHOUSES'
Michelle Moore



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Casting Your Vote

(No, this is not about politics!)

I cannot tell a lie, the end of the eleventh season of *Garden Time* is nearly here. Our broadcast season is wrapping up in just a few weeks. Don't worry, we still have four more shows for November! Thank you for 'electing' to watch our show each week. 'Voting' for us by watching every week means that we will be back for another season. With the election just days away, just know that your garden is also casting its ballot for a long quiet winter. Hopefully we will all enjoy it as well. During the month of November I'll be working with our television station partners (KPDx, KWVT and KEVU) on another two-year contract. If all works well we will be back in March of 2017 for another season of great gardening information. If you get a chance, let them, and our advertisers, know how much you appreciate our little program.

This month we can all recover from the election by enjoying the fall season and the upcoming holiday season. We have a couple of tasty stories this month with stories on horseradish and cranberries. We find out that horseradish is not just something spicy that you can add to your meat dishes, it is also a great plant for your vegetable garden. In fact it can be planted and harvested in small portions for many years. Then Chef David shares some recipes for the holiday favorite, cranberries that include cranberry mayonnaise and homemade cranberry liqueur. Speaking of holiday favorites, we preview the Evening of Lights at Al's Garden Centers for our adventure of the month. This holiday open house is the perfect kickoff to the holiday season. People mark their calendars so they can get the freshest poinsettias and even 'ice apples' (when in season). It has been one of the signature events of the holiday season.

Not to forget the plants, Therese introduces us to the phygelius. This plant is not only beautiful; it is one of the favorites of the summer and fall garden. It is loved by all types of wildlife, especially hummingbirds! Plus with all the newer varieties on the market, you're sure to find one that will fit in your garden!

We hope everyone has their gardens put to bed for the season. Time is running out for all your tender plants. So mulch, protect and batten down the hatches for the coming weather ahead, and cast your vote for a great gardening season in 2017!

Happy Gardening,

Jeff Gustin, Publisher

Garden Time Magazine • November 2016 • Volume 8, No. 11, Issue #92

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Poinsettias abound at the Evening of Lights

Rev-up your seasonal spirits in this uniquely festive holiday habitat.

by Robin Burke

PRINCE OF YULETIDES


I T'S TIME. Time to take in the sights, sounds and smells of the holiday season. Sure, the Thanksgiving stuffing hasn't been served yet, but you can't hold off on a transformation as big and wonderful as this one.

Al's Garden Centers in Sherwood, Woodburn and Gresham completely redefine their stores' interiors by first clearing everything out, then starting fresh from floor to ceiling. Countless hours and hard work go into each renovation. The result is a uniquely festive, holiday habitat for shoppers and enthusiasts of the season.

The unveiling, Al's "Evening of Lights", is a celebration with live music, food, prizes and surprises.

*Please join Al's Garden Center
for our 16th Annual*

**EVENING
of LIGHTS**



Let the Holidays Begin!

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Local Events November 2016

Evening of Lights

Thursday, November 3, 2016 • 4:00pm-9:00pm

Al's Garden Center, Sherwood, OR

Friday, November 4, 2016 • 4:00pm-9:00pm

Al's Garden Center, Woodburn, OR

Saturday, November 12, 2016 • 3:00pm-7:00pm

Al's Garden Center, Gresham, OR

Stroll through designer decorated Christmas trees as you listen to live holiday music from Basso a Deux. Relax in the warm greenhouses filled with colorful, Grown By Al's poinsettias. Enter to win one of several festive prizes, and enjoy delicious food from Up N Smoke BBQ & Savor Soup House, beer from Ancestry Brewing, and wine from St. Joseph's Winery. Arrive early in Gresham for our popular Poinsettia Greenhouse Tour. We're opening up our growing greenhouses and allowing tours through our thousands of beautiful poinsettias.

• www.als-gardencenter.com

Christmas in the Garden

November 25, 2016 - January 1, 2017

The Oregon Garden, Silverton, OR

Ice skate with your family, shop with 18 artisan vendors at a traditional German Christmas Market, walk through 400,000+ Christmas lights in the forest, sip gluhwein and other holiday beverages listen to festive music & carolers, enjoy the smells and tastes of holiday foods, warm up next to fire pits, and take photos with Santa.

• www.oregongarden.org



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SHERWOOD
Thursday, November 3rd

Begin with a stroll through the twenty designer-decorated Christmas trees, each with a special theme. Thousands of ornaments adorn the trees, all of them available to take home to spruce up your own tree.

This year, shoppers will be serenaded with live music from Basso a Deux, a Portland up-tempo jazz and blues duo playing festive, holiday tunes from 6:00 PM to 8:00 PM.

Poinsettias are the plant of the season and here you will find 20 different varieties. Al's is a literal breeding ground for the beautiful, leafy blooms and the decades-old cultivation process is on display in the Seasonal Greenhouse.

Enjoy live Christmas music during the Evening of Lights



Mrs. Claus & Elf



Christmas train

Watch the Sherwood transformation at:
www.youtube.com/watch?v=Z6L7MfCsWGg

AL'S EVENING OF LIGHTS

November 3, 2016
 4:00pm–9:00pm
 "Evening of Lights"
 Al's Garden Center of Sherwood
 16920 SW Roy Rogers Road,
 Sherwood, OR 97140

November 4, 2016
 4:00pm–9:00pm
 "Evening of Lights"
 Al's Garden Center of Woodburn
 1220 N. Pacific Highway,
 Woodburn, OR 97071

November 12, 2016
 3:00pm–7:00pm
 "Evening of Lights"
 Al's Garden Center of Gresham
 7505 SE Hogan Rd,
 Gresham, OR 97080
 Greenhouse Tour 2:00pm &
 3:30 pm

Register at
www.als-gardencenter.com

Available Now!
Garden Time Flowers

In honor of Garden Time, three brand-new flowers have been named in our honor. The *Garden Time Tulip* is available through Wooden Shoe Tulip Farm. The *Garden Time Dahlia* comes from Swan Island Dahlias and the *Garden Time Rose* was introduced by Heirloom Roses.



Garden Time Tulip



Garden Time Dahlia



Garden Time Rose

ORDER TODAY!
 More information at The Garden Time Store
www.gardentime.tv/store



Garden Time

Pick out a unique variety as a gift or a few for yourself.

In the Main Greenhouse things get more playful. The Rose City Garden Railway Society delights children of all ages with its elaborate Christmas train display. The Society intertwines the joy of gardening with the indelible hobby of model trains, creating realistic scenery along the tracks with mountains, tunnels and streams. The Christmas theme makes it a memorable experience tied up with a bow!

Another treat for the senses—this one for the taste buds, Al's exclusive Ice Apples from Walla Walla. Allowed to ripen on the tree until after the first frost, these Fuji apples are indescribably sweet and juicy. Al's son, Jack, will be there to whip up a batch of Ice Apple Applesauce for the tasting.

Also on hand for the evening; Up N Smoke BBQ, Savor Soup House, St. Joseph's wine and Ancestry Brewing.

WOODBURN
Friday, November 4th

At Al's of Woodburn, the scene the following night will look and sound equally festive with music, trees, decorations galore, food and prizes.

GRESHAM
Saturday, November 12th

The following week, Al's of Gresham will host their "Evening of Lights" with an afternoon addition: a tour of the impressive Poinsettia Greenhouse. Al's own, Mark Bigej will be the tour guide. Registration for the tour is required at www.Als-gardencenter.com.

****All three nights are free and open to the public. Registration is appreciated at www.Als-gardencenter.com.***



Christmas cookies



Santa's helpers incognito,
Barb Florig and Judy Alleruzzo

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Hit the Deck!

Come rain or come shine, enjoy the outdoors more with these five affordable ways to transform your deck or patio into a year-round, livable space.

by Robin Burke

PHOTO CREDIT: SHADESAILS.COM



Sail Shade

Too much sun, not enough shade; too much rain, not enough cover. It's the same problem, just different seasons.

Our moderate fall and winter temperatures allow us to enjoy more time outdoors—if you can stay dry. A cover over a patio or porch creates the feel of adding square footage to your living space, giving you an extra room to spread out, to entertain and to enjoy where you otherwise wouldn't brave the elements.

What causes most people to pause at the door isn't the rain; it's the price. An overhead structure can easily run into several thousand dollars. Fortunately, there are options that are as extravagant or as minimalist as you can imagine, while staying within a budget.

Sail Shade

The hot choice right now is a sail-shaped shade, which offers small reprieve from the rain, but is big on style. Depending on the fabric, size and color, the sail

shade creates a casual, breezy, even whimsical atmosphere in any outdoor space.

Commercial sail shades started the trend and now manufacturers are heeding the call of the homeowner. The sail shades come in various sizes and shapes, though most are trian-

gular. They can be mixed and matched to overlap for full coverage or spaced out in a pattern for intermittent shade and cover.

Not all sails available on the Internet are waterproof. Be sure to research the materials and choose a high-quality, durable sail with reinforced corners. In-



Sail Shade

PHOTO CREDIT: SHADESAILS.COM



Sail Shade

stallation is key to the durability as well. The sails must be very taut and hung so water doesn't accumulate causing it to sag and tear.

Canopy Umbrella

Large-scale patio umbrellas are a good choice if your space is somewhat protected from the wind. They provide shelter and shade while creating a cozy place to gather.

Umbrellas that sit in the center of a table are what we generally think of on a home patio. But, on a larger scale, a canopy umbrella can cover your entire deck and can be left open except in very high winds.

The best choices for canopy umbrellas are free-standing and cantilever styles that provide cover for an outdoor lounge area, over a hot tub or pool. The cantilever style has an arched arm, which allows the base of the umbrella to be off to the side, while the umbrella itself sits over the desired area. Can-



Patio Umbrella

tilver umbrellas generally have a heavy base, up to 200 lbs, and are not easily moved around.

A freestanding umbrella has a center pole that supports the canopy and is anchored in a stand. The advantage over the offset style is that it's easier to collapse and to maneuver because of a lighter weight stand.

Consider the Options – fabrics, lifts, ribs and poles

Umbrella fabrics come in a wide variety of grades, which determine the quality and durability. If you are looking for an all-season umbrella, it is important to choose rain resistant fabric with a water repellent finish incorporated into the weaving process. Look for 100% acrylic or polyester, solution-dyed fabric.



Crank Lift

How often you put up and take down the umbrella is an important consideration when choosing a lift method. Crank lifts have a handle that turns clockwise and counter clockwise to open and close the umbrella. Cranks are generally quite user-friendly, but not the most sturdy option. The push up mechanism, much like a personal sized umbrella, utilizes a pin that is inserted into the pole to keep it open. This is the recommended style by manufacturers for large patio umbrellas that may be subjected to strong wind gusts.

The arms, or ribs of the umbrella support the fabric panels. The more ribs, the more support the umbrella has to keep it stable. Ribs made of stained wood are an attractive aesthetic, but they perform



Canopy Tent

an important function, so consider flexible fiberglass ribs. Some manufacturers guarantee they will withstand 70 mile an hour winds.

The type of pole is also another important component to consider. Again, if you are going for a large canopy umbrella, the sturdiest choice will be a solid one-piece pole. Two-piece poles are easier to store, but do not stand up to high wind as well. Poles are made of a variety of materials including wood, aluminum, fiberglass and steel.

A pole with a hinge that tilts the umbrella helps block the sun throughout the day, but if the main concern isn't constant shade, forgo the hinge for a sturdier, one-piece option.

Portable Shade Canopy (Tent)

When you think of using a tent as a shade or rain cover on your patio don't let thoughts of a camping tent cloud your vision. Think wedding reception and party tents. The sides of the structure can be pulled back like drapes, allowing for open views, while still providing overhead protection.

Canopy tents are widely available at home centers and big box stores as well as upscale patio furniture dealers. Narrow down your options, by considering the following:

- Size. Measure the area and think about how you will stake the canopy tent. If you plan to drive stakes into the ground, be sure the poles extend to soft ground. (There is the option of tent weights if the tent will be set up on a deck or patio surface.)

- Frame. Aluminum or treated steel to prevent rust. If the canopy tent will be set up for long periods of time in changing weather, consider a heavy-duty weight of more than 40 lbs.

- Cover Material. Materials vary in price, quality and weight. Polyester is a common choice or polyester with a vinyl coating. Fade and water-resistant materials, such as Sunbrella brand fabrics, are weightier and longer lasting.

- Assembly. The heavier the canopy tent the more people it takes to assemble and break down. Also, keep in mind storage space when not in use.

Retractable Awnings

Retractable awnings are a convenient and attractive option for a deck or patio cover. They come in a wide variety of colors and designs and can be the focal point of your outdoor landscaping plans.

The one drawback is that retractable awnings are designed for sun protection only. They are not designed to withstand rain or windy conditions. If you are looking for a summer option only, be sure to do your homework on



Cantilever Canopy



Pergola Shade

the size, operating system and installation details of the awning.

This type of deck cover is a great choice for smaller condo or apartment balconies. Be sure to check with homeowners associations or apartment owners before installing to the outside structure.

Pergola

Pergolas work as cover and add architectural interest to a patio/deck space. The slated, rafter-style roofs provide intermittent shade and when closed in, protection from the rain.

There are many styles and ways to accomplish this and not all of them need to be permanent.

Using fabric sails interlaced with the wood slats add color and texture to the pergola. They can also be removed and changed out for the season. A solid weather-resistant canopy can be installed under the slats of the roof that retracts on a pulley system. You lose the ambiance of the wood rafters when a cover is installed underneath them, but you gain the option of the cover not impeding on climbing vines planted to grow over the structure.

Aluminum or Plexiglass covers are also permanent roofing options.

Draping all-weather fabrics from the corner posts or from one vertical post to another, adds a colorful, inviting effect to your entire landscape while providing even more protection from the elements, a definite advantage over an open deck or patio.

Pergola Do-it-yourself kits are widely available or contact your local lumber, fencing or landscaping company for builder recommendations.

Thinking outside the box (or just thinking outside) can give you an affordable deck cover solution that will last for years while enhancing your landscape and extending your enjoyment of the outdoors.

After June Delight

Attractive to the eyes and to hummingbirds, *Phygelius capensis* deserves a second look.

By Therese Gustin



Phygelius 'Devil's Tears'

Want to attract hummingbirds to your garden? Be sure to plant at least one phygelius! Every summer the hummers give us a show from our front window, dive bombing each other to get at the phygelius in our flower bed.

Phygelius capensis, commonly known as Cape fuchsia is a fabulous shrub-like perennial native to South Africa. The name Cape fuchsia refers to the Cape of Good Hope, a rocky headland on the southern tip of South Africa. The fuchsia comes from the slight similarity to the fuchsia flower although they are not related.

What makes it so fabulous? Besides attracting hummingbirds to your garden, it provides abundant, colorful tubular flowers arranged in clusters atop sturdy stems rising above bushy foliage. They flower throughout the summer until frost. Not many perennials have that long of a bloom time. In cooler climates, *Phygelius* are treated as tender perennials in colder climates but they are fairly hardy in the Willamette Valley where they often remain evergreen throughout the winter. They prefer full

sun and well draining soil and consistent water during dry spells. They grow from 3 to 5 feet tall and can spread to 4 to 5 feet wide. Pruning off the spent blooms will encourage more flowering. They tend to root where a stem touches the ground so to keep the plant a bit smaller you can pull up these rooted stems. *Phygelius* are mostly pest and disease free. I haven't ever experienced any insects or diseases on mine.

More and more cultivars are showing up at garden centers adding to the lovely array of flower colors. 'Devil's Tears' features dark red buds that open to red flowers with a yellow throat, 'African Queen' has a deep salmon blossom while 'Salmon Leap' is closer to an apricot color. 'Moonraker' and 'Yellow Trumpet' display a yellow flower while 'Lemon Spritzer' features dark pink flowers over chartreuse leaves with darker green spots. The smaller variety 'Pink Elf' only grows to two feet and is perfect for borders or containers.

By adding a *Phygelius* to your garden you can delight the hummingbirds as well as your eyes.



Phygellus 'Salmon Leap'



Phygellus 'African Queen'



Phygellus 'Lemon Spritzer'



Phygellus 'Pink Elf'



Phygellus 'Moonraker'

Winter Heat



If you like horseradish, you should try it fresh from the garden.

by Therese Gustin

PHOTO CREDIT: FOODING AROUND VIA FLICKR.COM

Want to heat up your garden? Plant some horseradish! This flavor packed perennial root is easy to grow and adds intense flavor and great health benefits to a wide variety of dishes.

Horseradish, thought to be from Central Europe has been used for thousands of years medicinally and for culinary use. The Egyptians used horseradish as long ago as 1500 B.C. The early Greeks used it as a rub for lower back pain and an aphrodisiac. Jews used it and still use it as a bitter herb in their Passover seders. The name is believed to have come from the Germans. They called horseradish "meerrettich (sea radish) because it grows by the sea. The English may have mispronounced "meer" as 'mare'radish and its eventual became known as horseradish. From the 14th to the 17th cen-

tury horseradish spread north to the Scandinavian countries and to England. At first only the laborers and country folk in England ate horseradish but eventually it became the common accompaniment to beef dishes and oysters throughout England. The early settlers brought horseradish with them to America where it was cultivated in the colonies and eventually transported to the Midwest. Illinois holds the title as the location where most of the commercially grown horseradish is grown in the United States today.

The health benefits of eating horseradish are many. The cancer fighting compounds known as glucosinolates are prevalent as well as antioxidants. Horseradish has also been found to have antibiotic properties. Studies have shown that horseradish aids

in helping relieve muscle and joint pain, urinary tract infections, chest congestion and sinus infections, headaches, water retention, tonsillitis, colds, flu and even dandruff. All these benefits from one simple root!

Spring is the best time to plant horseradish. Whether you purchase crowns, from a nursery, grocery store or like me...get a root from a friend, it's easy to grow this sinus clearing culinary flavor enhancer. Horseradish or *Amoracia rusticana* is best planted in a sunny location in well draining soil. Be sure to pick a place in your garden where this plant can spread as it is a perennial and spreads vigorously. Digging it up each year and either using or sharing portions of the root will keep it in bounds. Plant your root cutting deep enough to stand the root up. Hold the



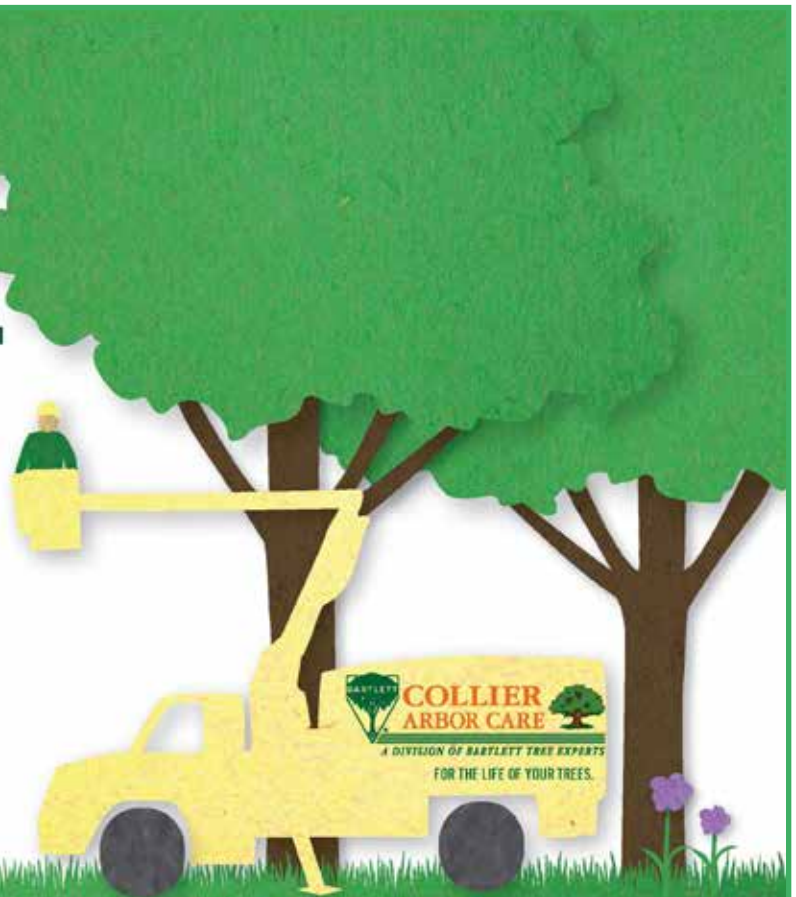
Horseradish plant

PHOTO CREDIT: EDSSEL LITTLE VIA FLICKR.COM

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root upright in the hole and back fill the soil until all but the crown of the root is covered. Water it in and just forget it. Horseradish needs very little care. Mine looked great all season until late October when I noticed some slug damage to the leaves. There was no damage to the roots however.

Horseradish can be harvested either in the fall after the first frost or in the spring. Dig deep around the plant and carefully lift the root out of the ground. You can break off the amount you would like and replant the rest of the roots. Prepare the horseradish by removing the leaves and rinsing off the dirt. Peel the outer skin off the root using a vegetable peeler. Chop the

root into small pieces and place in a food processor. Add a small amount of water and pulse until well ground. By adding about a tablespoon of vinegar per 8 inches of root, you can cut the level of heat in the horseradish. Fresh horseradish is much more potent than what you get at the store so adding the vinegar tones down the excessive heat. Be careful not to stand over the mixture as the potent horseradish vapors can hurt your eyes. Add a pinch of salt to taste and pulse again to mix. If the mixture is too wet you can strain out the excess. Transfer the mixture with a spatula to a jar. Cover tightly. It will last 3 to 4 weeks in the refrigerator.

10 Ways To Enjoy Horseradish

1. Use with sushi instead of traditional wasabi.
2. Add to hummus or guacamole.
3. Mix with mayo and spread on a wrap or sandwich.
4. Add about a teaspoon to your salad dressing
5. Slice a tomato thin, add a small amount of horseradish and fresh chopped basil and sea salt as an appetizer.
6. Add to scrambled eggs
7. Add a small amount per bite the next time you enjoy fish.
8. Mix horseradish with a jar of chili sauce and the juice of ½ lemon for a cocktail sauce.
9. Mix about a tablespoon with 1 cup of sour cream to accompany roast beef.
10. Mix with mustard for a hot zingy sandwich spread.



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Time is running out! Space is limited! Book now!

Surprise! Our February Hawaii Garden Tour is no longer one island but 4, not just a land tour but also a 7-night cruise around the islands and instead of 5 days it is now a 10-day cruise and tour, but the price is only slightly higher than the original trip. The price is being held for a very short time and airfare, hotel and cruise are not confirmed until deposit is received. Experience the cultural revival of Hawaii's past. Explore farms, gardens and unique locations on 4 Islands with private guides, land and cruise experiences and full-day itineraries designed just for Garden Time guests. See below for our itinerary and check out the videos to some of the destinations of this fabulous journey. If you've been waiting to go to Hawaii, **THIS IS THE TRIP OF A LIFETIME**, with special destinations and tours you won't find anywhere else. It's a trip you'll never forget, and you'll be joined by your favorite hosts, William McClenathan and Judy Alleruzzo. Come join us!

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TRIP BOOKED THROUGH



To Think and Grow Differently

Solexx's Michelle Moore has a mission: To wholly re-imagine — and change — how the world grows food.

by Judy Alleruzzo



Michelle Moore

Gardeners love gadgets don't we?

The biggest gardening gadget I know of and would love to own-- is a greenhouse.

Michelle Moore is our 'Hortie of the Month' and she is the CEO of Adaptive Plastics, the parent company of Solexx™ Greenhouses in Salem, Oregon.

She is the leader of the team that wants to help farmers and home gardeners grow more plants especially veggie plants all year round!

Michelle's Mom and Dad, Bev and Mike Perry, started a business in 1986 that made plastic boxes for the commercial picking of fruit. Michelle states, "Apples, peaches and cherries, picked directly into the containers, weren't dumped into other bins. The quality of the

fruit increased dramatically and the labor decreased." These boxes are made out of a tough corrugated polyethylene plastic that takes the abuse of commercial farm harvests.

Michelle remembers how her Dad, a biologist by education, came upon the leap from harvest boxes to greenhouses. Her family went on a vacation and "When we left, he'd left a picking tote upside down on the lawn. When we came back, the grass was inches taller than everything around it and a deep green. You could clearly see where the box had been. He's a bit of a mad-scientist type and disappeared into this shop for days creating a greenhouse." Mike Perry tweaked the construction and changed the structural materials until the final design was ready to go to mar-

ket. The Solexx™ Greenhouse was created.

This is the Solexx website description of the unique material that makes up the greenhouses. "Twin-wall Solexx™ greenhouse covering is a high density polyethylene plastic (HDPE) that reduces your heating costs while providing 98-100% diffuse light to your plants. The strong shatter-proof glazing protects your plants from harsh weather conditions without cracking or discoloration." The design of the greenhouses also had to take into account packing and shipping as efficiently as possible. The whole greenhouse is shipped in flat boxes and tubes. Solexx Greenhouses can be shipped across North America, and have even gone out to Russia and Saudi Arabia.

The Solexx Greenhouses are pretty easy to erect. Several years ago, Garden Time filmed a segment in Michelle's back yard. William and Michelle put together the greenhouse in a few hours.

In other segments with Michelle, she showed us the new research to efficiently grow veggies in Solexx Greenhouses.

Michelle joined the family businesses of Solexx and Adaptive Plastics in 2002.

She had attended Pacific Lutheran University as a Business Major and then received her MBA from Thunderbird School of Global Management. She worked and traveled extensively in other companies in an assortment of positions in manufacturing and finance.

Last year Michelle was named CEO of Adaptive Plastics which also



Early Bloomer Greenhouse

produces 'CropBox' which are the agricultural totes mentioned earlier and tree guards used in the nursery industry.

One of Michelle's missions is to improve food production on a large and small scale.

"We recently hired Kayla, a Biosystems Engineer. She is helping us to develop a growing system so all employees will have food to take home. We hope to learn from this project to help small farmers

grow more with less space and resources and to help home gardeners grow more for themselves."

Other research is ongoing too. "We are always testing new methods. Employees grow food, testing different methods in our current test greenhouse. We've done quite a bit of testing with outside resources too. One very interesting test, done by the Center for Applied Horticultural Research (CAHR), showed more compact and even growth under Solexx with a multi-crop test. The most interesting finding though was that there were fewer pests with Solexx and all were controlled biologically. We are hoping to use this research to find ways to dramatically reduce the use of pesticides."

Michelle is a strong proponent of improving food production through science based research but she says she isn't a natural born home gardener. She works, as we all do, at becoming a better gardener. She related this story to me. "My favorite garden memory was the moment I realized I was going to be a gardener. I was at the Garden Writer's Conference in Vancouver, BC. We were at a beautiful botanical garden and the writers were gathered around a beautiful plant and having a lively discussion about Latin names. It was intimidating

Watch the Garden Time story on Solexx Greenhouses from October 30, 2010
www.youtube.com/v/1Dbr_kWwUKk



Solexx Garden Master Greenhouse



help to garden at home and this spring they helped plant heirloom tomatoes and cucumbers at their Gramma and Grampa's home garden.

Michelle and her brother were raised to enjoy the outdoors and her family is following in that legacy. She remembered about a project her brother, Steve Perry created at the Solexx warehouse. He "used Solexx to create an ice-climbing wall in the warehouse. He layered multiple sheets on top of each other and screwed them into the side of the building. He then used his ice axe and crampons and would climb the solid vertical wall just as one could climb ice. He and his friends climbed this wall for months."

to a non-gardener! When asked what I liked to grow, I sheepishly replied that I liked to grow herbs but pretty much had a brown thumb—which is a bit embarrassing as the daughter of a Biologist, a Plant Scientist and the owners of a greenhouse company. One of the women who heard me say that replied, "Nonsense! There is no such thing as a brown thumb. You just haven't killed enough plants to be any good at it yet." She then told me not to worry about killing anything but to keep practicing. It completely changed my approach and interest. After that, I became an OSU Master Gardener and designed Grow4it, the 4-season food growing system. My approach has been similar to that of my father's, and that is to learn about the plant and what the plant wants instead of what we think it wants."

I think this revelation has so helped her keep improving Solexx Greenhouses, researching growing techniques and to develop the Grow4it System.

Grow4it is an all inclusive, 4-season food growing system. All the research has all been done to make you successful in growing vegetables in a greenhouse. The system includes all the seed starting supplies, the FlexiPot™ breathable containers, LED lights and the

whole Solexx Greenhouse. Directions for all the Grow4it Steps are included, to help you produce delicious tomatoes and vegetables.

Michelle is a business leader and has an active family life. She and her husband, Hunter have twin girls that attend an outdoor school, plus family activities are centered around being in natural surroundings as much as possible. Michelle and Hunter know how important it is for kids to be at home in nature whether it's in a backyard garden or woodland setting. The girls

You've got the idea about Michelle's personal and work ethics. Over the next months, she is spearheading new re-branding of her companies. I asked what is on the agenda for the next year. "We have quite a few upcoming projects for 2017. Most are for large-scale production, but our hope is much of the technology we develop will eventually work for the home gardener too. We are focused on reducing energy and water consumption while creating



healthier more productive environments for plants.

"We are currently rebranding Adaptive Plastics and the related brands."

Michelle told me of a new movable greenhouse being designed as a covered space to "include larger plants and even small trees." This new type of greenhouse can allow people to sit and relax in a protected environment. I think it will feel like being in a tropical setting right in our own backyard!

The Solexx distributing and greenhouse supply company, The Greenhouse Catalog, is next up for a new look and feel! Michelle is excited about all these new changes. "Here is our mission statement: To wholly re-imagine — and change — how the world grows food. To protect plants and trees and the harvest. To inspire everyone who grows our basil, our rosemary, our prize tomatoes and carrots, our kale and cannabis, our dazzling flowers and everything in-between. To think and grow differently. To use the least and get the most. Less energy, pesticides, water, labor, precious resources. More sensitivity, stewardship, courage, imagination and intelligence."

Michelle Moore has a lot of new projects on tap for 2017 and beyond in her role as CEO of Adaptive Plastics. She is moving forward to help farmers and the home gardener increase food production while being good stewards of the land, natural resources and the environment. The research she is supporting will be so important to helping us all grow more food all year round!



Solexx Staff 2009



Tomato plants in a Solexx Geenhouse



Michelle's girls

Solexx Greenhouses
www.solexx.com

The Greenhouse Catalog
www.greenhousecatalog.com

Grow4it
www.grow4it.com

They're Cran-tastic!



'Tis the season to experience the amazing taste of fresh cranberries.

by David Musial

Oranges and apples are a few of the things that pair well with cranberries.

With the arrival of fall comes the rain, leaves changing color and fresh cranberries in your grocer's produce section. We know to stay indoors when it rains, to admire the beauty of the leaves' autumn colors, but what are we supposed to do with the cranberries...other than make cranberry sauce?

Cranberries seem to fall under the category of love them or hate them. For me, as a child, I hated them, but loved whipped cream and whipped cream was served with cranberries. No cranberries, no whipped cream. I learned to like cranberries.

So what do we know about cranberries?

- They are native to North America
- They are available fresh for a short period of time
- They are sour
- They stain
- They pair well with oranges, apples, poultry and pork
- They are versatile



Store up on fresh cranberries as the season is short.

The cranberry, *Vaccinium macrocarpon* is a plant native to North America. Native Americans knew the plant by many names, sasumuneash or sassamenesh, ibimi and atoqua. The cranberry was an ingredient of pemmican, the original energy bar created by Native Americans. It was made by pounding cranberries with dried deer meat and fat. It would last for months on long journeys.

Cranberries are available fresh during the fall. Although they store well in the refrigerator; one to two months, freezing is the best way to extend the availability of cranberries. Placed in tightly sealed bags, cranberries can be frozen for up to one year.

Cranberries are very sour and I think that sugar may have been invented to tame the cranberry. Cranberries have a wonderful flavor; but the sourness is

a little too strong to eat without a little sweetener added. The natural sweetness of apples combines to make a wonderful cranberry juice and honey can be used for those who prefer to avoid white sugar.

Cranberries have a dark, rich and beautiful color that will leave a stain. I don't believe that there is a family's heirloom Thanksgiving tablecloth that doesn't have a stain from cranberries. The solution is to wash the tablecloth as soon as possible. However, that is not always possible, since as soon as the table is cleared, it is set up for dessert. This is followed by an after dinner rousing family game of Catch Phrase (at my house anyway) with the tablecloth left in place. So, just remember before you go to bed to at least spot treat the stain so most of it will come out when it's washed in the morning.

Besides combining naturally with sugar, cranberries pair well with several foods. The bright tanginess goes well with the sweetness of apples and the citrus notes of orange or lemon zest and juice combine perfectly. They go well on the appetizer plate with goat cheese and nuts and are completed by spices like cinnamon and clove. In addition to going well with the Thanksgiving turkey, they also go well with pork and other

poultry like chicken.

Cranberries are versatile and can be used for more than the dinner table. One such use is decorating the Christmas tree by making garland out of popcorn and fresh cranberries. I remember well the fun and pain. The fun was in the family gathering to make the garland while eating half the popcorn. The pain came from the multiple times I stabbed myself with the sewing needle. With their high pectin level, cranberries can be used to make jellied candy. To take advantage of their beautiful color, try making cranberry liquor. A winter warmer and a beauty in the glass. Makes a wonderful holiday hostess gift.

So before the season is over, we have three recipes for your fresh cranberries on the next page.



Cranberries with whipped cream; great, between a biscuit, even better.

PHOTO CREDIT: WWW.SHAREDBITES.BLOGSPOT.COM



PHOTO CREDIT: WWW.NATUREFORKIDS.NET

Making homemade garland can become a family tradition.

Cran-Apple Pie

Cranberry pie earns big points, but the addition of apples creates a truly classic flavor combination. Makes one 9" pie

1 ¼ C sugar
¼ C flour
1 t cinnamon
¼ t nutmeg
¼ t clove
3 C tart apple, peeled,
cored and sliced ¼"
2 C fresh cranberries
2 t fresh squeezed lemon juice
2 T butter cut into several small pieces
Pastry for a double crust 9" pie

Preheat oven to 425°.

Combine dry ingredients in a bowl and mix. Place apple slices and cranberries in a bowl, add lemon juice and mix. Add dry ingredients to the cranberry apple mixture and combine to coat.

Prepare bottom crust; add the pie filling and dot with the butter pieces. Add top crust and cut four or five small slits on the top to allow steam to escape. Bake until golden brown and the filling is bubbling.

After removing from the oven, place on a rack and allow to cool before serving.

Cranberry Liquor

A wonderful winter cordial, straight up or blended into a cocktail. Makes about 3-4 cups



Making your own cranberry liquor is simple.

PHOTO CREDIT: WWW.DISHMAPS.COM



Cranberries and apples combine to make a wonderful pie.

PHOTO CREDIT: WWW.DELISH.COM

1 ½ C sugar
¾ C water
16 oz fresh cranberries
½ orange peel
½ lemon peel
1 ½ C vodka
half gallon glass jar, cleaned and sterilized

Combine the sugar and water in a pot and bring just to a boil to dissolve the sugar and create a simple syrup. Remove from the heat and allow to cool.

Place cranberries in a food processor and pulse until chopped. Place the cranberries into the glass jar. Add the cooled simple syrup, orange and lemon peel (without any white pith), and the vodka. Seal mix thoroughly and store in a cool dark spot.

Mix the ingredients daily and after four weeks strain through a fine sieve lined with cheesecloth. The liquor is now ready to drink.

For a thoughtful hostess gift during the holidays, find a festive eight ounce bottle to fill. Include a handwritten label with a cocktail recipe.



Homemade cranberry liquor is the perfect holiday hostess gift.

PHOTO BITSANDBREADCRUMBS.COM



PHOTO CREDIT: WWW.PINTEREST.COM



Cranberry mayonnaise is perfect for the after Thanksgiving turkey sandwich.

Cranberry Mayonnaise

To elevate the day after Thanksgiving turkey sandwich, try using Cranberry Mayonnaise made from your leftover cranberry sauce. Makes ¼ C

¼ C mayonnaise
1 ½ T cranberry sauce
1 t fresh squeezed lemon juice
salt and pepper to taste

Combine mayonnaise, cranberry sauce and lemon juice. Mix thoroughly. Taste. Add salt and pepper to taste. Use on sliced turkey or pork sandwiches. Store in the refrigerator for up to one week.

W T D I T G

We know the days get shorter beginning in June, but somehow it becomes most evident in November. Suddenly, it's dark when we get up and dark when we come home. For many gardeners, their time in the yard is confined to weekends. But less time doesn't have to mean unproductive time. There are many simple tasks you can perform in the fall that will improve your garden next year.

PLANNING

- Consider purchasing a live tree this year. Live trees brought in the house for the holidays are such a great tradition. Discuss the idea with your family this month and then get set to pick out this year's tree early while the selection is best.



begin to send up foliage. The alcohol helps to keep the growth shorter, not so tall and lanky that they fall over.

- Watch for very wet areas and begin planning how to tackle your poor drainage issues. One solution is to create a rain garden, something you see more and more in new developments and commercial sites. An area of a depression in the ground that collects the rainwater and allows the water to percolate downward instead of running off. You can plant red and yellow twig dogwoods, small bush type willows, like Arctic or Dappled willow to help soak up the water.



- Force some Paperwhites for some great smelling indoor flowers for the holidays. Pick them up this month before they are all gone. A tip; give them a shot of vodka (really) after they



PLANTING

- Get the garlic planted. Fall is the time to plant garlic and if you haven't gotten them planted yet, do so this month. You'll be harvesting the tasty garlic next July.



long so plants don't mind being tucked into the soil now. In fact, they'll like it much more than sitting above ground this winter in a pot!

- Plant a cover crop in the veggie garden if you haven't yet. This is the last chance to get a green manure crop growing in winter.



- Feel confident to plant your landscape plants this month. Roots will grow a little all winter

- There is still time to get the spring bulbs planted. Don't put this off much longer. The sooner you get them in the ground in the fall the better the root development will be encouraging the best blossom display for next spring.



What To Do In The Garden NOVEMBER

TASKS, MAINTENANCE & CLEAN-UP

- Time to clean out the Mason Bee condos and clean up the cocoons. Many of your local garden centers have information on how to manage your overwintering bees.



a registered spray. Dormant oils help to smother overwintering insects.

- Don't freak out when the evergreen conifers get some brown foliage showing now. Every fall the evergreens lose their oldest foliage; from the bottom upward and the center outward. This is normal and there is no need to panic.

- WAIT! Don't trim back shrubs and evergreens hard now. Cutting back plants now cuts away the parts of the plants that are signaling the rest of the plant that

cold weather is coming.

- Cut the roses to about 3-4' tall, no shorter. Cutting back too hard now exposes too much of the lower portions of the bush to the winter cold. You can cut them back lower next March.

- Don't cut back ornamental grasses. The seed heads are super pretty with frost on them and the birds get the seeds when they are ripe. The plants go through winter best



when intact. Next spring, the end of January or the first week of March, cut back the growth to 3 to 6 inches tall.

- Mulch the beds for winter cold protection. Leaves work well or a compost mulch. Mulches are great at stopping soil erosion and keeping the soil from compacting as a result of all the rain. Mulch-



ing the beds includes; the cane berries, shrubs, bulb areas and perennial flowers.

- Rhubarb and asparagus beds: Protect and insulate these plants with a good dose of manure for winter.

- Lawn mower cleaned up and set for next year. If there is gas left in the tank you can get something called Sta-bil to add to the tank. This helps keep gas fresh for up to 12 months in stored equipment like lawn mowers.



- Get the irrigation system put away or blown out so no freeze damage takes place.

VEGETABLE GARDEN



- Check the stored potatoes to make sure nothing is rotting. Discard anything that is soft or rotting before it affects more of the stored tubers.

- Create a row cloche over crops of winter vegetables. A cloche is a small structure made of glass

or clear plastic or with reemay cloth, like Harvest Guard. It's placed over the top of cold sensitive

plants. Harvesting veggies all winter is going to be so yummy!



- Keep weeds from taking over in the winter. If you didn't plant a cover crop in time for winter protection, consider laying down wet black and white newspapers, 6 layers thick and covering with an organic compost mulch or manure.



PLAY TIME

Gardening Events Around Town

Sherwood's Evening of Lights
Thursday, November 3, 2016 • 4:00pm-9:00pm
Al's Garden Center, Sherwood, OR

Stroll through designer decorated Christmas trees as you listen to live holiday music from Basso a Deux. Relax in the warm greenhouses filled with colorful, Grown By Al's poinsettias. Enter to win one of several festive prizes, and enjoy delicious food from Up N Smoke BBQ & Savor Soup House, beer from Ancestry Brewing, and wine from St. Josef's Winery. Let the holidays begin! Admission is FREE. Registration is appreciated.

Woodburn's Evening of Lights
Friday, November 4, 2016 • 4:00pm-9:00pm
Al's Garden Center, Woodburn, OR

Stroll through designer decorated Christmas trees as you listen to live holiday music from Basso a Deux. Relax in the warm greenhouses filled with colorful, freshly grown poinsettias. Enter to win one of several festive prizes, and enjoy delicious food from Top O' Hill, local brews from Shattered Oak, and wine from St. Josef's Winery. Let the holidays begin! Admission is FREE. Registration is appreciated.

Ninth Moon Floral Design Showcase
Premiere Evening
Friday, November 4, 2016 • 6:30pm-8:30pm
Lan Su Chinese Garden, Portland, OR

Be one of the first to view fabulous floral exhibits, created by the Northwest's most gifted floral designers and staged within the magical beauty of Lan Su Chinese Garden. See a live floral design demonstration from featured artist Gerard Toh, listen to live music, sip champagne, enjoy decadent desserts, and meet the floral designers at this magical evening. Go to www.lansugarden.org for ticket information.

Caring for our Feathered Friends:
Make a Pinecone Birdfeeder
Saturday, November 5, 2016 • 11:00am
Al's Garden Center, Woodburn, OR

continued next column

As the weather turns colder outside, it is important to remember our feathered friends. We will use large sugar pine cones from Central Oregon as our base and cover them with Crisco and birdseed for a delightful treat. Learn more about our Pacific Northwest birds and what they need to survive the winter. Cost: \$7.50.

Gardening with Native Plants
Saturday, November 5, 2016 • 11:00am-12:30pm
Portland Nursery (Division), Portland, OR

With Linda Hardison, Director of Oregon Flora Project. Learn about native plants, what constitutes a 'native', and how they can be used in cultivated settings. We will explore the resources offered by the Oregon Flora Project and how they can inform native plant gardening choices and design through lecture and slideshow. The Oregon Flora Project is a comprehensive resource about the native and naturalized plants of our state that grow in nature. Through its Flora book, wildflower identification app, Facebook page, and theoregonflora.org website, users can find photos, maps, and details about Oregon's plants, including garden species and where to purchase them. Volume One of Flora of Oregon will be available for purchase at \$75 in class directly from instructor, cash or check written to BRIT press preferred.

Winter in the Vegetable Garden
Sunday, November 6, 2016 • 1:00pm-2:30pm
Portland Nursery (Division), Portland, OR

With Marc Scheidecker. Your garden needs a good foundation, just like your house. Though it seems like winter should be time off for a gardener, it is the best time to work on your garden's foundation. There is a lot of planning, planting, and preparing that can and should be done in winter. Marc Scheidecker, a year round, full time gardener, will cover soil preparation, cold frames and trellises that will be needed in the spring. Join us in laying a good foundation for next year's garden.

continued next page



Holiday Mini-sessions

with Crystal Genes Photography

Saturday, November 12, 2016 • 10:00am-2:00pm

Al's Garden Center, Woodburn, OR

This year Crystal Genes Photography has partnered up with Al's Garden Center at Al's of Woodburn to bring you quick and easy holiday mini-sessions! We will have a custom designed holiday set, just for this event! Cost: \$35.00.

Garland Nursery's Annual Open House

Saturday & Sunday, November 12 & 13, 2016

• 10:00am-4:00pm

Garland Nursery, Corvallis, OR

As we were busily preparing our plants and nursery for the chilling temperatures, we were taken by surprise to see the Garland Nursery Holiday Elves transforming the barn in preparation of our annual Holiday Open House. With the warm scent of spice in the air, beautiful and unique poinsettias set out, and new gift ideas displayed for our holiday shoppers, we could not be more excited! We welcome the community out to celebrate the arrival of the holiday season. Join us for warm spiced apple cider and tasty samples as you stroll through the barn, decorated with traditional Christmas and Holiday wonders and displays. We have an amazing array of poinsettias, both traditional and creatively decorated wreaths, fantastic gifts for gardeners and non-gardeners alike, and everything you'll need to deck-out your home with Holiday Spirit. Along with these traditional and exclusive gifts we will have fun drawings for exciting prizes and special classes and workshops throughout the weekend for the whole family. See workshops below. Website: www.garlandnursery.com.

Backyard Habitats

Saturday, November 12, 2016 • 11:00am-12:30pm
Portland Nursery (Division), Portland, OR

With Nicky West of the Audubon Society of Portland. Learn how to make your yard a sanctuary for birds and other wildlife! The Backyard Habitat Certification Program is an effort in the Portland

continued next column

Metro area that supports residents that want to create habitat that invites and supports pollinators and wildlife in their yard. Support includes site visits, technical assistance, discounts and incentives that build real habitat, while connecting urban residents to their yards, to local ecology, and to broader conservation initiatives. We will go into depth on the key elements for building great habitat like identifying and removing invasive species, planting native plants, pesticides reduction and wildlife stewardship. From simple to elaborate – learn how to attract more species diversity, which berry-producing shrubs are bird favorites, and how to naturally provide 3 seasons of nectar for hummingbirds. Get inspired to attract more birds to your backyard.

Caring for our Feathered Friends:

Make a Pinecone Birdfeeder

Saturday, November 12, 2016 • 11:00am

Al's Garden Center, Sherwood, OR

As the weather turns colder outside, it is important to remember our feathered friends. We will use large sugar pine cones from Central Oregon as our base and cover them with Crisco and birdseed for a delightful treat. Learn more about our Pacific Northwest birds and what they need to survive the winter. Cost: \$7.50.

Little Sprouts: Fresh Green Centerpiece

Saturday, November 12, 2016 • 11:00am

Al's Garden Center, Sherwood, OR

Our young gardeners will be taking fresh greens and creating beautiful centerpieces they can take home and display on their holiday tables or give as a gift to a friend or family member. Cost: \$7 per child.

Gresham's Evening of Lights

Saturday, November 12, 2016 • 3:00pm-7:00pm

Al's Garden Center, Gresham, OR

Arrive early in Gresham for our popular Poinsettia Greenhouse Tour. We're opening up our growing greenhouses and allowing tours through our

continued next page



PLAY TIME

Gardening Events Around Town (CONTINUED)

thousands of beautiful poinsettias. Space is limited. Stroll through designer decorated Christmas trees as you listen to live holiday music from Basso a Deux. Relax in the warm greenhouses filled with colorful, freshly grown poinsettias. Enter to win one of several festive prizes, and enjoy delicious food from Up N Smoke BBQ, local brews from Shattered Oak, and wine from Leaning Star Winery. Let the holidays begin! Admission is FREE. Registration is appreciated.

Jumpstart Your Propagation Skills

Sunday, November 13, 2016 • 1:00pm-2:30pm

Portland Nursery (Division), Portland, OR

With Marc Scheidecker. Vegetable gardening, and the self sufficiency it brings, can be deeply satisfying! Increase the satisfaction by starting your vegetables from seed. Winter is a time to start many of our vegetables indoors or in a greenhouse. When we plant our seeds our garden begins! It is also, as Steve Solomon said, the single most important, and the trickiest skill to learn. This class will cover seeds, a simple nursery set up and more. A thorough check list will be distributed at the class by the instructor – a full time, year round gardener.

Wine & Workshop Wednesday:

Everlasting Autumnal Wreaths

Wednesday, November 16, 2016 • 4:30pm

Al's Garden Center, Sherwood, OR

Need a great centerpiece for your Thanksgiving table? Or perhaps a lovely welcoming wreath to hang on your door for fall? This Wine & Workshop Wednesday project will help you create just the thing. Our Al's Custom Creation experts will help you create the perfect wreath for your door or table that will last you for years to come.

Cost includes everlasting wreath, ribbon, autumn themed decorations, wine, and a light dinner 21 and over only, please. Cost: \$35.00.

Holiday Open House

Friday, November 18, 2016 • 5:00pm-7:00pm

continued next column

Smith Berry Barn, Hillsboro, OR

Join us for our annual Holiday Open House and help us kick off the holiday season in style! Enjoy hot apple cider and seasonal hors d'oeuvres while you shop amidst our tree-lit barn. Mingle with friends and neighbors, enjoy live holiday music and sip local wines. We will have several vendors on hand, offering samples and expert advice on some of our favorite gourmet products. Provincial Vineyards will be here to sample an array of local wines. Complimentary samples will be provided or wine may be purchased by the glass or bottle. Receive 10% off all purchases during this evening's event. Surprise gifts will be given throughout the evening to random shoppers. Every \$25 spent will earn an entry into our raffle drawing. Two winners will receive a prize valued at \$50.

We will be hosting a private event in conjunction with our open house this year. Friends of Firdale Road will be joining us for this special evening from 6pm-8pm.

Holiday Mini-sessions

with Crystal Genes Photography

Saturday, November 19, 2016 • 10:00am-2:00pm

Al's Garden Center, Gresham, OR

This year Crystal Genes Photography has partnered up with Al's Garden Center at Al's of Gresham to bring you quick and easy holiday mini-sessions! We will have a custom designed holiday set, just for this event! Cost: \$35.00.

Caring for our Feathered Friends:

Make a Pinecone Birdfeeder

Saturday, November 19, 2016 • 11:00am

Al's Garden Center, Gresham, OR

As the weather turns colder outside, it is important to remember our feathered friends. We will use large sugar pine cones from Central Oregon as our base and cover them with Crisco and birdseed for a delightful treat. Learn more about our Pacific Northwest birds and what they need to survive the winter. Cost: \$7.50.

continued next page



**Plant Your Own Mixed Succulent Dish
Saturday, November 19, 2016 • 11:00am-12:30pm
Portland Nursery (Division), Portland, OR**

With Tiffany Garner, Portland Nursery. Bring gardening and planting fun indoors for the chilly season in this hands-on planting workshop. Portland Nursery staff member, Tiffany Garner, will guide the group through a creative hour of selecting, arranging & planting indoor succulents to display in a sunny, indoor spot. All materials provided. Cost: \$30 (pay at register on day of class).

**Holiday Mini-sessions
with Crystal Genes Photography
Sunday, November 20, 2016 • 10:00am-2:00pm
Al's Garden Center, Sherwood, OR**

This year Crystal Genes Photography has partnered up with Al's Garden Center at Al's of Gresham to bring you quick and easy holiday mini-sessions! We will have a custom designed holiday set, just for this event! Cost: \$35.00.

**Thanksgiving Floral Arrangements
Sunday, November 20, 2016 • 1:00pm-2:30pm
Portland Nursery (Division), Portland, OR**

With Jolie Donohue, Gardening Goddess. Create your own fresh and beautiful floral arrangement with Jolie Donohue, Gardening Goddess. In this hands-on workshop, you will make and take home a wonderful centerpiece for your thanksgiving table. She will guide you through the process of making a table centerpiece that is unique to you and guaranteed to bring cheer into your home! All materials are included in the class fee. Feel free to bring your own special decorative elements to add to your centerpiece. Cost: \$30 (pay at register on day of class). Bring gloves and pruners.

**Christmas in the Garden
November 25, 2016 - January 1, 2017
The Oregon Garden, Silverton, OR**

Christmas in the Garden is an award-winning event featuring ice skating, a traditional German Christmas Market and light display in the charm-

continued next column

ing Rediscovery Forest. Upon arrival, you will enter the Garden and board the Holiday Express, where you will be whisked to the beautifully decorated Rediscovery Forest. Here, you can: ice skate with your family, shop with 18 artisan vendors at a traditional German Christmas Market, walk through 400,000+ Christmas lights in the forest, sip gluhwein and other holiday beverages listen to festive music & carolers, enjoy the smells and tastes of holiday foods, warm up next to fire pits, and take photos with Santa, who will visit regularly. Be sure to also visit downtown Silverton to enjoy shopping, restaurants and more in the charming historic district. Schedule: Ice skating: Daily, November 25, 2016–January 1, 2017; Market, lights, fire pits, carolers, Santa & ice skating: Thursday–Sunday, November 25–December 18, 2016; Daily December 19–23, 2016 and Day after Christmas; Lights, fire pits & ice skating, December 26, 2016–January 1, 2017. Visit our Schedule page for more details. Website: www.oregongarden.org.

**Zoolights
November 25, 2016-January 1, 2017 •
5:00pm to 9:00pm**

The Oregon Zoo, Portland, OR

It wouldn't be the holidays in Portland without a visit to the Oregon Zoo's annual winter festival ZooLights. As you walk around the zoo, you'll see a dazzling display of a million and half lights, and experience your zoo in a whole new light. The zoo opens each day at 9:30am, and ZooLights tickets are valid after 4:00pm. ZooLights hours are 5:00pm to 9:00pm; Value Night hours are 5:00pm to 8:00pm. Grounds remain open for one hour after gates close. Ride MAX and skip the parking.

LOOKING FOR MORE?

You will find more events and updated information on the Garden Time Events Calendar
www.gardentime.tv/events.htm

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These are just some of the companies we've produced videos and commercials for:
**America's Mattress • Al's Garden Center • Chown Hardware
Clark County Fair • Exercise Equipment Northwest • Ludeman's
Neil Kelly • Parr Lumber • Portland Nursery • Salem Hospital
Terra Casa • Taggart's • Tsugawa Nursery**

"Together, We Create the Message"



www.GustinCreativeGroup.com

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