

garden time

September 2019

A Digital Monthly Magazine for Your Garden & Home

Fort Vancouver Heritage Garden A Pioneering Effort

Hardy Ferns
Cannabis

RADIO & TV PERSONALITY

Mike Darcy



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Dealing with Loss

The summer seems to be wrapping up as we approach Labor Day and the return to school for a lot of our younger fans. Even though the calendar says we have about three weeks left, there is that sense of things coming to an end. The weather was little 'goldilocks', not too hot and not too cold, for most it was just right! Yet, for some the changing of the seasons represents a loss. So many things to do that have been left undone. For our family this summer was one where 'loss' really hit us hard. My wife and I both lost our mothers this summer, which was very difficult, but to balance that out we also had the wedding of our eldest daughter. What a wonderful occasion! This summer has been really crazy! I guess the point I'm making is that there are ups and downs in every part of our lives. During this summer the garden has been our refuge. In the down times between the craziness, we have found ourselves sitting and enjoying nature. Whether it was a walk to look at flowers or pick raspberries, or talking to our neighborhood squirrels and hummingbirds, the garden has been our anchor and our island. It is a refrain that we hear from a lot of people; their gardens keep them grounded. As the seasons change we are ready for the new challenges that await. We head off in a couple of weeks for our Garden Time tour to Italy and France, recharged and renewed, knowing that with every end there is a new beginning. In life, and in the garden.

The changing of the seasons has us focused in on some cool stories for the coming month. September is the season of Oktoberfest and you can't have that celebration without beer. We just happen to brew some of the best beers right here, and it all begins with hops. Judy will fill us in on this ingredient that brings the kick to your IPA. She also shares with us a story on ferns. As a plant buyer, Judy has seen quite a few ferns and she tells us about some that are hardy for our area. We also get a chance to meet Mike Darcy in our Horties segment. I started working with Mike many years ago when he had his first TV show and there is no one nicer in the gardening community! We will also head across the Columbia River to Vancouver to visit the historical garden at Fort Vancouver. We have visited this garden for the show and it is amazing how closely they try to duplicate the types of crops grown by the settlers from the Oregon Trail.

As I mentioned earlier, we are getting ready to leave for Italy and France in a couple weeks. I invite you to follow us on Facebook where you can see me posting pictures of gardens and some of the great sites we will be visiting. This trip should be a blast and we would love to share that with all of you.

Happy Gardening!

Jeff Gustin, Publisher

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Garden Time's Iconic Spokesflower Answers Your Questions!



Ask Mortimer



PHOTO CREDIT: FINEGARDENING

Tree Wound Paint

Dear Mortimer,

I've recently cut back a few limbs from a tree that was blocking a path. A friend recommended that I use a 'sealant' on the fresh cuts to protect the tree from insects and diseases from entering the cut. He said that the tree would heal faster. I've never heard this before. Is it true?

Yours,
An arborist in Amboy

Dearest Amboy,

This is a myth. The idea of painting on a protectant seems like sound logic, but in reality it is quite the opposite. Some products/people recommend that you apply a protectant, usually a petroleum-based product, to an open wound or cut on a tree. This is supposed to prevent disease and insects from invading an open cut and damaging the tree. According to Dr. Linda Chalker-Scott from WSU, this coating can actually seal in moisture and decay. It can also prevent the tree from healing itself, which is what happens in the real world. The 'healing' process has been happening for thou-

Mortimer answers selected questions and comments every month in Garden Time Magazine. To send him your question, email
AskMortimer@GardenTime.tv

sands of years and we really don't need to help Mother Nature along in this instance.

What will happen is that the tree will create a collar of new growth that will eventually cover the wound and naturally prevent insects and disease from entering. The tree actually isolates the wound and sends a natural resistance to the area, similar to when we get a cut. You can check out Dr. Chalker-Scott's website for more great information (<https://puyallup.wsu.edu/lcs/>).

Keep on cutting,
Mortimer

• • • • •

Dear Mortimer,

With all this summer heat I've been watering a lot! I'm finding that some of our plants still have wilting leaves long after I water them. Do I give them more water? What is happening?

Sincerely,
Sweating it out in Sweet Home

Dear Sweat,

There could be a couple of things going on here.

First of all, water! If it is a new planting and



Wilting Hydrangea

PHOTO CREDIT: JYPSYGEN VIA FLICKR CREATIVE COMMONS

it gets really hot, the new plant may be struggling to take up water with a non-established root system. It is also possible that you have the wrong plant in the wrong place. A tender shade plant may not handle a lot of direct sunlight. Do your best to keep the plant alive right now and then make plans to move it to a better location in the early fall when cooler temperatures and fall rain will help establish it in a new home. How much water is 'a lot'? Dig down around your plant and make sure that the roots are getting the moisture. And speaking of roots...

Second, root problems. This is a huge area for problems to occur. As we recently saw in Jan McNeilan's garden during the Garden Time show, a mole had dug under the roots of a tomato. This plant wasn't able to recover and was dying, while the plant next to it was thriving. If the plant can't take up water because of root damage, it doesn't matter how much is being thrown on the soil. Other things to think about, is the soil too hot due to sun exposure? Is the soil healthy? Do you need a soil test to make sure that the plant has everything it needs to thrive? Do the roots look healthy or are they chewed or rotting. Are there pests present?

Take pictures and possibly a cutting from the plants and the root system to your local nursery help desk or to your local extension office to help you diagnose the problem.

Good luck and stay hydrated!
Mortimer



Wilting Plant

PHOTO CREDIT: EXTENSION.ORG

A Pioneering Effort

Between Lewis & Clark and the Oregon Trail was the establishment of Fort Vancouver and the first English garden in the Pacific Northwest.

by Ron Dunevant

The Pacific Northwest is brimming with history and historic locations, from Lewis & Clark's 1805 expedition to the Pacific Ocean to the Oregon Trail which, from 1843 to 1869 carried thousands of covered wagons on their journey from points east. But another pioneering effort, which took place in the intervening years, sits on the shore of the mighty Columbia River, just a stone's throw from Portland.

It's a fascinating story of determination, business acumen, diplomacy, foresight and courage. It also, interestingly enough for our purposes, has an English garden – the first such garden in the Northwest -- as one of its stars.

That place is Fort Vancouver and the garden is the Fort Vancouver Heritage Garden, both of which have been carefully and painstakingly recreated to give visitors the experience of life as it was nearly 200 years ago in the newly-explored Oregon Territory.

Fort Vancouver was built by the Hudson's Bay Company (HBC) in 1824, on what is now just a few blocks east of downtown Vancouver, Washing-

ton. Named after Captain George Vancouver, an 18th century explorer who charted North America's northwestern Pacific Coast region, the facility became the headquarters for a string of trading posts, and the center of the fur trading industry at that time.

The terminal point of a route that began at the southwestern tip of Hudson's Bay in northern Canada, the HBC York Factory Express followed a westward route through modern-day Manitoba, Saskatchewan, Alberta and British Columbia, before turning south through eastern Washington and connecting to the Columbia River.

The fort was originally built on the bluff above its current location. After several years of monitoring, it was determined that the plain did not flood every year, and the fort moved closer to the water. Soon after the move, a garden was started. The reasons were both logical and practical: Until that time, all of their food had to be carried in overland from Montreal along with other supplies, much of it from England. Growing what they needed on-site would save a journey of thousands of miles. In addition, the mild climate was condu-

PHOTO CREDIT: RON DUNEVANT

cive to gardening, the soil rich with sediments from the Columbia River and the land abundant in local flora.

The origin of the garden at Fort Vancouver can be traced to Dr. John McLoughlin, known as the "Father of Oregon." McLoughlin was the French-Canadian Chief Factor and Superintendent of the Columbia District of HBC from 1824 to 1845. With ships, traders and Native Americans congregating at the fort year-round, he recognized the need to establish a flourishing garden.

The endeavor caught the attention of botanist David Douglas, who enlisted the help of physicians in raising plants for medicinal use. Douglas sent for seeds from Britain's Horticultural Society. Gordon, Forsythe & Co. in London sent seeds throughout the 1820s, '30s and '40s, which included cucumbers, kale, broccoli, leeks, lettuce, mustard, onions, parsley, peas, radishes, turnips, flax, hemp, grasses, clover, oats, potatoes and wheat.

Peach trees were received from the Islands of San Juan Fernandez (located near Chile) in 1828. By 1834, the Fort's orchard was filled with apple, peach and pear trees and loaded with fruit. In fact, an American missionary, Jason Lee wrote in his journal, "The orchard is young, and the quantity is so great

Where Will a Capitol Subaru Take You?



Local Events September 2019

2019 Annual Dahlia Festival

Saturday-Monday, August 31-September 2, 2019

• 8:00am-6:00pm

Swan Island Dahlias, Canby, OR

View over 400 floral arrangements of dahlias, over 15,000 cut dahlia blooms on display, in our three indoor display rooms. This is the largest display put on by one grower anywhere in the United States!

• www.dahlias.com

Autumn Moon Festival

Saturday, September 14, 2019 • 10:00am-5:00pm

Lan Su Garden, Portland, OR

Zhong Qiu Jie, the Autumn Moon Festival, has roots back to ancient times and is an important traditional Chinese holiday.

• www.lansugarden.org

Fall Garden Fair

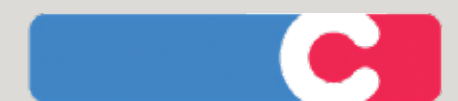
Saturday & Sunday, September 14 & 15, 2019

• 10:00am-5:00pm

The Oregon Garden, Silverton, OR

Peruse a horticultural showcase to learn more about the plants that grow in our region, attend a judged floral show, peruse local nurseries and garden artists at the plant sale and get inspired at one of our educational demonstrations.

• www.oregongarden.org



capitol SUBARU

capitolsubaru.com

PHOTO CREDIT: RON DUNEVANT





that many of the branches would break if they were not prevented by props.”

In those early days, seeds were saved from apples and grapes for later planting and portions of field crops were processed to be planted the following year. In fact, the seeds saved from the apple trees are said to be the reason Washington is the top apple producer in the U.S. – 58% of the apples grown in the country come from the state.

Some of the other plants mentioned in journals are wild strawberries, grapes, dahlias, melons, pears, plums, figs, citrons, oranges, quinces, lemons, pomegranates, carrots, parsnips, beans, corn, pumpkins, beets, tomatoes, cabbages and cherries. Not all of the seeds sent to the fort thrived, such as cotton, but clearly the gardeners were not afraid to experiment, to see which varieties grew well in this new territory.

For the residents of Fort Vancouver, the garden served several purposes. It supplied fresh produce for the employees of HBC, although some accounts indicate the majority of the harvest was served to officers, clerks and guests. It was used as a place for visitors and employees to walk and relax. Some of the output was set aside, with seeds and cuttings distributed to selected visitors who intended to settle in the region. There is also evidence that suggests some of the seeds were given to the American Indians who lived in the area. This, no doubt, helped with relations between the new settlers and the tribes, who are said to have been friendly toward the inhabitants of the fort.

At its height, in the mid-1840s, the garden had expanded to eight acres, large enough to provide produce for the fort’s

residents and visitors, as well as flowering plants, shrubs and fruit trees for their pleasure. This large operation was a symbol of the power that HBC held over the entire region, a conspicuous demonstration of their extensive agricultural enterprises.

In 1860, Hudson's Bay Company abandoned Fort Vancouver, favoring their stations in British Columbia, Canada. The United States Army, which had constructed buildings next to the British trading post in 1849, took over the facility until the fort was destroyed by fire in 1866. In 1948, Fort Vancouver was designated as a national monument by the United States, but was managed as an archaeological site. On June 30, 1961, Fort Vancouver became a national historic site, but it would not be until 1965, nearly 100 years after the fort burned down, that, through the urging of local community member, reconstruction would begin.

Today, the Fort Vancouver Heritage Garden is a smaller, interpretive representation of the original garden. A group of dedicated volunteers and staff oversee its upkeep and help visitors to understand the role the garden played during the fur trading era. Like the fort, the garden is a modern replica of the original.

But this is not just any garden. Through research, cultural landscape reports, journals and letters from the early days of Fort Vancouver, every effort is being made to accurately reproduce what likely was available and planted at the fort in the 1840s. They are not just guessing. Since the available information is often incomplete, research must also be done on what varieties of each plant would have been available at that time. Potatoes, for example, are of the oldest variety that could be found, since the jour-



ALL PHOTOS CREDIT: RON DUNEVANT



ALL PHOTOS CREDIT: RON DUNEVANT

nals did not specify.

So, the plants you see in the garden are almost certainly the types you would have seen there 175 years ago. A visit on a hot August day reveals several varieties of corn, rows of dwarf kale, acorn squash, winter squash, pumpkins, rouge vif (another variety of pumpkin), oats, barley, sunflowers, and a large assortment of colorful flowers. In many ways, it looks like a modern community garden, with a wide variety of vegetables and flowers growing next to each other.

The goal is to give visitors a feel for the abundance that was once here. And, just as it was in the 1840s, the plants found in today's garden provide produce for the fort's kitchen, as well as a place of beauty for those who walk its pathways.

Strolling through the garden in the afternoon sun, with the log walls and corner tower in the background, it is almost like going back in time. One can imagine how those original residents of the fort felt all those years ago. Thousands of miles from home, literally in the middle of nowhere, at the

edge of the frontier with unknown threats lurking just beyond the horizon. And yet, in the midst of this uncertainty, a refuge. A plot of colorful flowers, nutritious fruits and vegetables. An oasis in the desert, so to speak, and a reminder of home and civilization. It is a powerful experience that must have been felt by almost everyone who visited the fort in those early days, and it brings to life the history of this hallowed place.

The Fort Vancouver National Historic Site is among just a handful of urban national parks in the United States. With over 1.5 million visitors annually, this rich and memorable experience is educational, popular and easy to access. It makes for a wonderful outing for all ages and the story of the Heritage Garden is an added bonus for plant-lovers. Plan to add it to your list of "must see destinations," and relive the experience of those early Oregon pioneers who blazed the trail for all of us, nearly two centuries ago.

Fort Vancouver National Historic Site
www.nps.gov/fova



ALL PHOTOS CREDIT: RON DUNEVANT

That's What Fronds are For

Whether used in the landscape, as filler foliage for a bouquet or eaten as a side dish, these long-time residents of planet earth offer a lot of things to love.

Fern Spores

by Judy Alleruzzo

Don't ferns have just the most interesting leaf structure? Their fiddle heads unfurl so artistically in early spring in numerous frond forms, from many lobes to a solid 'leaf' framework. Ferns can be found growing all around the world. According to Encyclopedia Britannica, "Ferns are most abundant in the tropics. The Arctic and Antarctic regions possess few species." Wikipedia says, ferns can be found in four different habitats, "Moist, shady forests; crevices of rock faces, especially sheltered from the full sun; acid wetlands, including bogs and swamps; and in tropical trees, as epiphytes." So, not only do they live all over the globe, they are ancient plants. Research has shown that modern

ferns' ancestors lived a very long time ago, during the middle Devonian period, 383-393 million years ago and possibly even older. Researchers believe these very old fern species are extinct but their more modern cousins evolved about 70 million years ago with many still alive today.

To put all those dates and ages in perspective, Dinosaurs became extinct about 65 million years ago and Homo sapiens began to appear a mere 175,000 years ago.

Ferns developed even before flowering plants lived on the earth and reproduce via spores formed on

the underside of the fern fronds. The spores look like fuzzy dots usually arranged in rows.

Fern species number about 10,500 to 15,000 which is less than flowering plants species which total about 250,000 to 400,000. These numbers are making my head spin. Let's just say ferns are a very old species of plants and can be enjoyed in the wild and are beautiful additions to our gardens!

Speaking of our gardens, here are several tips to ensure the best growing conditions:

- add rich compost to improve soil texture and to provide good drainage
- top dress with compost to help soil retain moisture
- keep soil moist
- site ferns in morning sun and afternoon shade or dappled sunlight

Most ferns are best not planted in hot afternoon sun. Sword Ferns come to mind as a fern that can withstand a dry, sunny site but irrigate until they are established. Other ferns may survive if kept very moist. My comment to this is with the large assortment of sun loving plants available and our need to conserve water, my opinion is to not try to plant ferns in the afternoon sun.

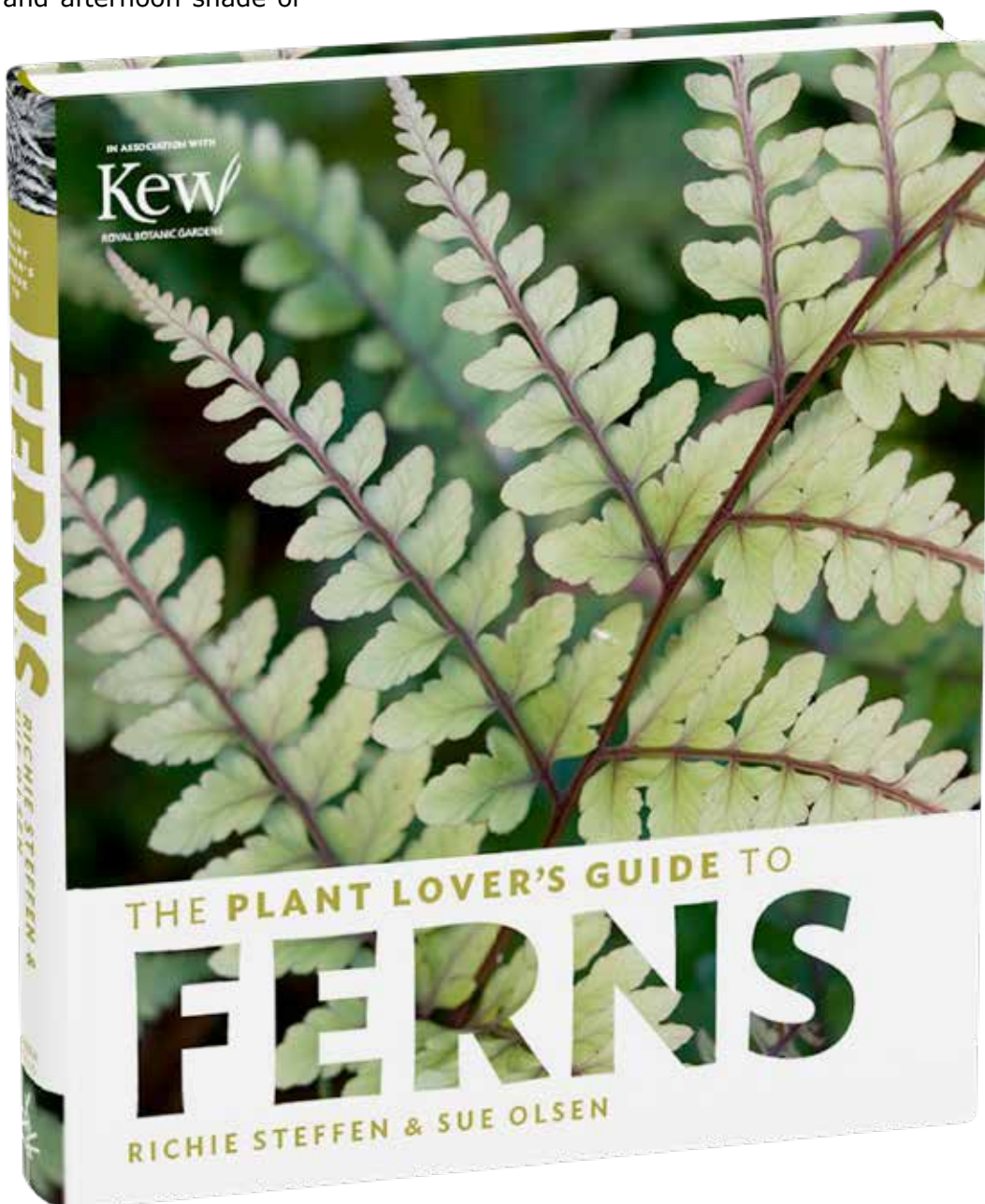
Ferns have minimum maintenance requirements once planted. They don't grow so fast that they need to be divided unless you'd like to move them around your garden or share with a friend. They also do not need to be deadheaded all summer long like flowering plants. They do all need a yearly "haircut". Trimming back both evergreen and deciduous ferns can be done either in late fall or late winter. In the Northwest, I think it's better to wait until late winter to trim off the old fronds. The fronds act as a cover for the crown of the fern and protect the plant

from the winter rains. You can wait until later in the spring but then it's a bit more difficult to maneuver around the unfurling of the delicate new fern fronds.

Ferns are also not heavy feeders but love to have leaf litter or compost sprinkled around them especially during the late fall. This mulch will protect the crown and root zone from the pounding seasonal rainfall. As the months go by, the leaf mulch degrades and enriches the soil as a natural fertilizer.

Besides being lovely plants in a garden or container, fern fronds are beautiful as filler foliage for bouquets. Gather the fronds in the cool of the morning when you are cutting the rest of the flowers. In the vase, make sure that the fern fronds are not below the water level to cause them to quickly decay.

For the chefs out there, the new fronds called fiddle heads are an edible green that can



be used as side dishes. It is best to harvest very young fiddle heads and to steam or saute them. Make sure to fully cook the fiddle heads to totally destroy possible toxic properties.

These fern species are commonly used in recipes and grow well in the Pacific Northwest:

Lady Fern *Athyrium filix-femina*

Ostrich Fern *Matteuccia struthiopteris*
(Best to Fully Cook)

Cinnamon Fern *Osmunda cinnamomea*
(Not as tasty as Ostrich Fern)

Royal Fern *Osmunda regalis*

Western Sword Fern *Polystichum munitum*

Western Bracken *Pteridium aquilinum*
(Best to Fully Cook)

Ferns are a very interesting and beautiful group of plants. I chose just three to highlight with detailed

PHOTO CREDIT: DANCING OAKS NURSERY



Hart's Tongue Fern

Asplenium scolopendrium

Evergreen Fern with wide, spear-shaped fronds

Height 12-18in, Width 12-18in

Full Shade or Morning Sun/
Afternoon Shade

Hardy to -20°F

Native to North America, Northern
Africa, Western Asia and Europe

The common name refers to the frond's
resemblance of a deer's tongue.

Jeweled Chain Fern

Woodwardia unigemmata

Evergreen Fronds can grow to
7 feet long

Reddish new growth

Height 3ft, Width 7ft

Hardy to 10°F

Full Shade or Morning Sun/
Afternoon Shade

Native to China, Himalayas,
Japan and Philippines



PHOTO CREDIT: RICHIE STEFFEN

information, but could have written about ten more favorite ferns! I left out varieties with silver and red markings, gold and green variegation, fine frond textures, black stem species and those are just the hardy ferns. There is another group of ferns to enjoy indoors but I'll leave that to another article. I encourage all to check out your favorite garden center or Sebright Gardens in Salem to see their collection of ferns. I'm sure there is room in your garden for one more plant!



Tassel Fern

Polystichum polyblepharum

Evergreen Fern with very shiny fronds especially as the plant matures

Height 2ft, Width 2 ft

Hardy to -10°F

Full Shade or Morning Sun/
Afternoon Shade

Native to Japan and Southern Korea

The common name is Tassel Fern as new fronds are covered with fine fuzz and droop a bit when unfurling, looking like a tassel.



Fiddlehead Ferns as a Side Dish

Additional Information

"The Plant Lover's Guide to Ferns"

Sue Olsen and Richie Steffen
Published by Timber Press

Sebright Gardens

Over 100 Varieties of Hardy Ferns
Salem, Oregon
www.sebrightgardens.com

Little Prince of Oregon

Sold at your favorite Garden Center
and on line
Aurora, Oregon
www.littleprinceoforegonnursery.com

American Fern Society

www.amerfernsoc.org

Hardy Fern Foundation

www.hardyferns.org

Field Museum

www.fieldmuseum.org/blog/ferns-past-and-present

Legal/Dilemma

Aside from the hype and the high, people are finding relief in the medicinal uses of cannabis.
by William McClenathan

A Cannabis Plant

The plant botanically named cannabis has a very long history, not only in America but the entire world.

Throughout its history it has been used in a variety of arenas.

Spiritual, medicinal, religious, apparel, paper, agriculture, recreational.

This article is not about those arenas in which it continues to be utilized, but rather one that is currently gaining a lot of attention: Scientific study and medicinal applications. Specifically CBD.

But first, let us clarify what CBD is and which parts of the cannabis plant it is derived from.

The popularity of medical marijuana is soaring, and among the numerous products consumers are seeking is CBD, or cannabis oils.

A wealth of marketing material, blogs and anecdotes claim that CBD oils can cure whatever ails you, even cancer. But the limited research doesn't suggest that cannabis oil should take the place of conventional medication, except for in two very rare forms of epilepsy (and even then, it's recommended only as a last-resort treatment). And, experts caution that because CBD oil and other cannabis-based

products are not regulated or tested for safety by the government or any third-party agency, it's difficult for consumers to know exactly what they're getting.

Because of its long history it makes it even more difficult to find the most current answers.

Because from the sites where prehistoric hunters and gatherers lived, to ancient China and Viking ships, cannabis has been used across the world for ages.

In a report, author Barney Warf describes how cannabis use originated thousands of years ago in Asia, and has since found its way to many regions of the world, eventually spreading to the Americas and the United States.

"For the most part, it was widely used for medicine and spiritual purposes," during pre-modern times, said Warf, a professor of geography at the University of Kansas in Lawrence. For example, the Vikings and medieval Germans used cannabis for relieving pain during childbirth and for toothaches, he said.

"The idea that this is an evil drug is a very recent construction," and the fact that it is illegal is a "historical anomaly," Warf said. Marijuana has been

legal in many regions of the world for most of its history.

But for me, what makes it most confusing is that we need to distinguish between the two familiar subspecies of the cannabis plant, *Cannabis sativa*, known as marijuana, has psychoactive properties. The other plant is *Cannabis sativa* L. (The L was included in the name in honor of the botanist Carl Linnaeus.) This subspecies is known as hemp; it is a nonpsychoactive form of cannabis, and is used in manufacturing products such as oil, cloth and fuel.

A second psychoactive species of the plant, *Cannabis indica*, was identified by the French naturalist Jean-Baptiste Lamarck, and a third, uncommon one, *Cannabis ruderalis*, was named in 1924 by Russian botanist D.E. Janischevsky. So there is not just *Cannabis Sativa*. If you count the subspecies of *C. sativa* L, we already have four varieties.

Cannabis plants are believed to have evolved on the steppes of Central Asia, specifically in the regions that are now Mongolia and southern Siberia, according to Warf. The history of cannabis use goes back as far as 12,000 years, which places the plant among humanity's oldest cultivated crops, according to information in the book "Marihuana: The First Twelve Thousand Years" (Springer, 1980).

This map shows how marijuana spread throughout the world, from its origins on the steppes of Central Asia. So then what exactly is CBD?

Simply put, cannabis oil is the concentrated liquid extract of the marijuana plant, *Cannabis sativa*.

Similar to other herbal extracts, the chemicals in cannabis oils vary depending on how the extract is made and what chemicals were in the plant to begin with. This is true of every plant on the planet. Where and how they are grown has an effect on them and their strength and value.

Cannabis plants produce thousands of compounds but the most well recognized belong to a class called cannabinoids. There are several cannabinoids but the two that are most well-known among consumers are THC (tetrahydrocannabinol) and CBD (cannabidiol).

THC is the primary psychoactive compound in marijuana and it is what people are searching for when they want a product that gives them a "high." Unlike THC, CBD isn't known to cause psychoactive effects, and is therefore attractive to those who want to avoid the high, but who believe there are other benefits of CBD, said Sara Ward, a pharmacologist at Temple University in Philadelphia.





Hemp Supplement and Hemp Infused Oil

CBD products that don't contain THC fall outside the scope of the U.S. Drug Enforcement Agency's (DEA) Controlled Substances Act, which means CBD products are legal to sell and consume as long as they don't have any THC in them. That's likely one of the reasons why CBD products, including CBD oil, are becoming more socially acceptable and increasingly popular. In 2016, Forbes reported that CBD products are expected to be a \$2.2 billion industry by 2020. That is a lot of reasons why so many growing facilities are popping up recently.

Finally, we at the show did a segment on the Cannabis used for CBD. We filmed it with the amazing Barb Iverson of Wooden Shoe Tulip Farm (www.wooden-shoe.com).

We filmed the segment at Red Barn Hemp (redbarn-hemp.net) where the products are created and which is also a part of this amazing family owned company of Wooden Shoe Tulips.

In that segment both Barb and I revealed that both her father and my mother enjoyed the benefits of their wonderful CBD products. I too have been using it for over a year now.

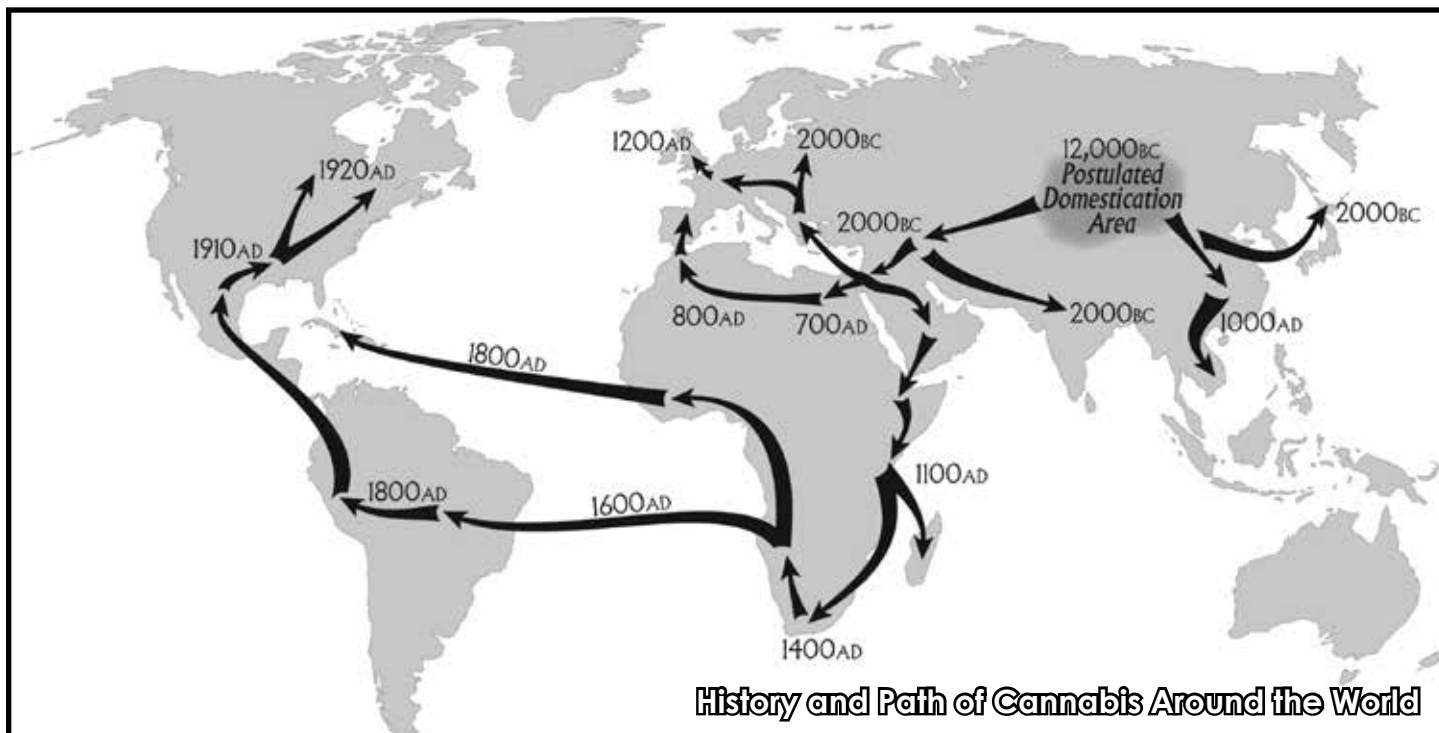
You can view the segment here: https://www.youtube.com/watch?v=IB4Z7_XBopc



Dog Biscuits



MSM Cream and Muscle Gel



In history just as in nature, things change. One thing which has not changed is my continuing passion for plants and nature and learning and expanding the most current and accurate information.

Honestly, cannabis was a struggle for me, but with the help of many people in this industry, like the owners of Wooden Shoe Tulip

Farm, I was able to fully comprehend, learn and value the multiple things which can come from this ancient plant and what certain strains of it can accomplish for the possible good of many people.

I hope if you have not already done so, you will find the information on their website about their hemp products and experience

them in your own life. They even have products for pets!

They are currently legal in Oregon and because they are made right here in our area, you can know they are completely safe and held to the highest of legal and quality standards, just like Wooden Shoe's Tulips and wines are!



Hops and Change

With farm fields covered in hops and scores of breweries, the Northwest is a great place to live!

by Judy Alleruzzo



Mounds of Hops

This article is in the "Eats" category for this month's Garden Time Magazine. When researching what Hops are exactly, I couldn't find a straight answer. Are Hops an herb, flower or fruit? I am going to call it an herb, as I see it as a flavoring of beer and as I discovered, other culinary recipes. I was amazed as I was thinking to pass on some kind of recipe using a bottle of beer in the list of ingredients and of course, I found many recipes using Hops to flavor them.

There are ingenious and talented humans who just love to invent delicious culinary artwork!

Here is a bit of background on the agricultural aspect of Hops. On any late summer drive on rural roads of the Willamette Valley or Yakima Valley, you can see acres of tall poles supporting Hop vines. Hops are a perennial vine growing up to 25 feet tall. In a garden they need an arbor or trellis and a lot of pruning to keep them in bounds. In commercial production, the trellis ropes are 15-20 feet tall in elaborate Hop Yards. They are harvested in late August/early September, dried and packaged for storage.

Living in the Northwest, we are in the midst of a huge increase in US Hops production. According to the 2018 statistics on the Craft Brewing Business website, the US produced 1.5 million pounds of Hops. The 3 main producing states are Washington 72.7%, Idaho 15.2%, and Oregon 12.1%. There are 26 other US States with Hop production that amounts to only 2% of the US production. According to Wikipedia in 2017, the US was #1 in global Hop Production with 44,324 Metric Tonnes and in second place, Germany with 39,000 Metric Tonnes. Eight other countries rounded out the rest of the world's Hop production. (1 Metric Tonne equals 2204.6 pounds) What a cool and ultimately delicious agricultural crop.

It's all around us, farm fields covered in Hops and scores of breweries! We live in a great place!

Hops has a long history, as first being mentioned as a German cultivated crop in the 8th Century. About 200 years later, they were mentioned as being added to the beer recipe. They did fall out of favor for awhile as the government decided to tax Hops. Beer makers then used gruit, a blend of herbs as a beer flavoring. Then the taxing tides turned and gruit was taxed so then Hops was back as an ingredient. Beer makers decided they liked to use Hops over gruit as Hops helped to keep the beer from spoiling too quickly and they liked the flavor.

Hop production migrated to England in 1400 and then brought to the new colonies by English and Dutch settlers in 1629. Over the next many, many years, the crop moved its way to the Northwest.

Hops, *Humulus lupulus*, is in the Cannabaceae Family which includes Marijuana. That fact was new to me. I never put two and two together to why I may get a bit sleepy from a few too

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Garden Time



Drying Hops

many beers. The medicinal use of Hops is a calmate to ease anxiety, sleep disorders, tension and irritability. Hops are also being used in treatments of breast and prostate cancers. Research on Hops is being carried out in many areas of health care.

To get back to Hops in recipes, I did find many different kinds of them. According to Food Hacks, ground Hops can be added like a bay leaf to season soups and stews. They also recommend sprinkling it on top of pasta or chicken dishes. Hops can be grown in our gardens and harvested in late August or September to make beer or for recipes. If you're not growing them, you can find dried Hops on the internet. For culinary recipes, store in airtight packages or freeze to keep them fresh.

Beer, especially micro brews are a huge favorite in the Northwest. Our Hops are world famous as Garden Time found out on our Guinness Brewery Tour. Even Irish made Guinness uses a percentage of Hops grown in the NW. We are living in an exciting time and place in regards to the Hops industry. This is

just the latest chapter in the long history of Hops.

And for Jeff Gustin, Garden Time Owner/ Producer and Ice Cream Maker, I also found a Hops Ice Cream recipe for you to try!

Additional Information

Craft Brewing Business Website

<https://www.craftbrewingbusiness.com/news/hop-growers-of-america-releases-2018-statistical-report-here-are-the-biggest-takeaways/>

Hedonistic Hops

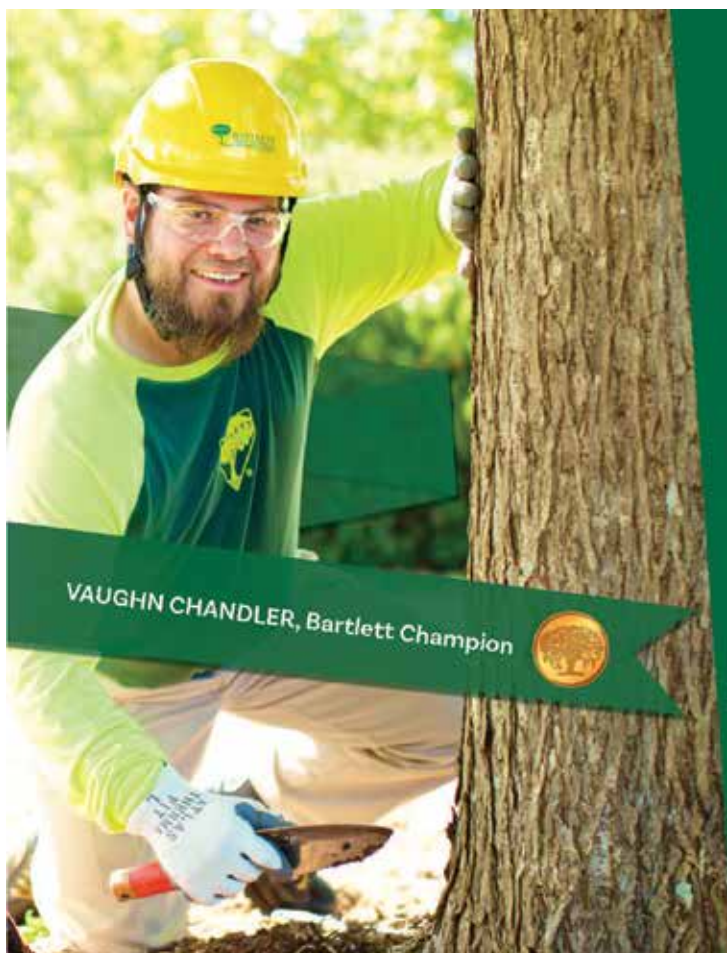
<https://www.foodbloggersofcanada.com/hedonistic-hops-cooking-with-hops/>

Food Hacks

<https://food-hacks.wonderhowto.com/news/weird-ingredient-wednesday-hops-theyre-not-just-for-beer-anymore-0160985/>



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Hopped Up Bruschetta



Hop Flowers

I like this nice and easy recipe from the Bon Appétit website, using Hops as seasoning in the bruschetta topping.

Makes 3-4 Servings

Ingredients

½ small garlic clove

Kosher salt

1 Large Tomato Chopped

½ Small Onion, Sliced

2 Tbsp Extra-Virgin Olive Oil

2-3 Hop Flowers, Torn

¼ tsp Freshly Ground Black Pepper

6-8 Toasted Country Bread

Preparation

Mince and mash the garlic to a paste with a pinch of salt.

Combine the paste with ½ tsp salt, tomato, onion, oil, Hop Flowers and pepper.

Top the toasts with the tomato mixture and serve.

I would like to offer an addition to this recipe, as a beer would be my beverage of choice!



Rogue Ales and Spirits Brewmaster John Maier inspects Freedom Hops just before picking.



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Behind the Mike



Mike Darcy and his loyal companion, Cody.

53 years of marriage, 35 years on radio and TV, a love for gardening and an easygoing style are just a few of the reasons that I like Mike Darcy.

by Judy Alleruzzo

This month's Hortie is Mike Darcy of Gardening Radio, TV and Newsletter fame. I have known him for many years, but as he told me on the afternoon we met for coffee, we had never sat down and just chatted. We recently met on a lovely afternoon and even though I was 30 minutes late, he was the perfect gentleman waiting for me at the coffee shop. The time flew by. It's funny to fill in all the details of a person that I have many times run into at Garden Centers, The Yard, Garden & Patio Show and beautiful gardens around the Willamette Valley. We had a very nice time of just visiting!

Mike is a busy guy and very involved in family life and in gardening.

He has been married to Linda for 53 years. They have two sons and one daughter with five grandsons

between them. The day we met for coffee, Mike had picked up a few of the grandsons from camp and stopped for ice cream at Salt & Straw. Nice treat for them all! Mike has another dear family member, Cody his black lab, who is in a few of the photos in this article. You can see they adore each other.

Now to get on to History. Mike Darcy started his horticulture career being a salesman for Ortho products many years ago. One day, he was asked to be a guest on a Portland radio talk show. He so charmed the viewers and station that they asked him back two more times. After the third appearance, the station asked him if he would like to host a garden themed talk show.

Mike said yes and for the next 35 years, we all listened to "In the Garden with Mike Darcy" on KXL

radio. The show had a wonderful format.

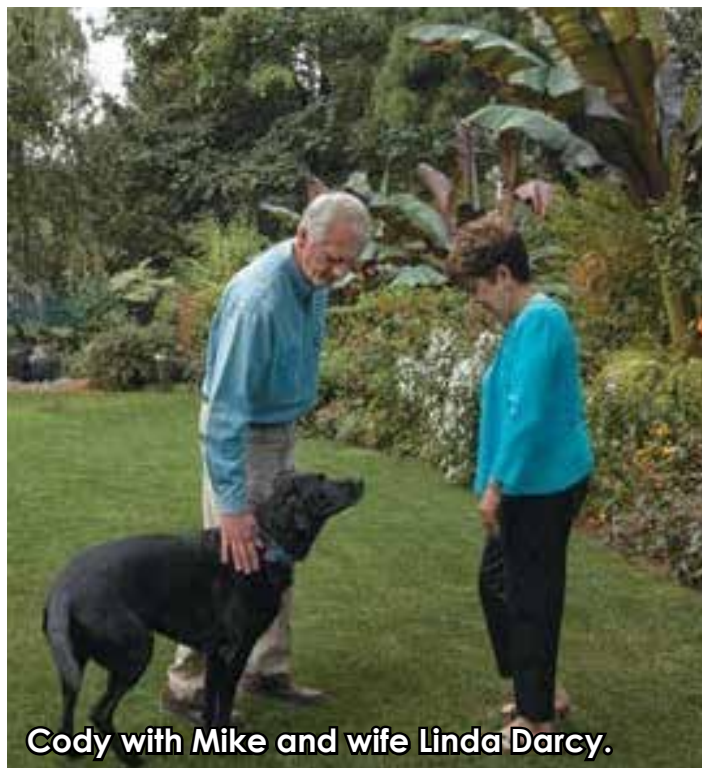
Mike opened the show talking about his garden, what he was planting or what was going on in the garden that week. He had guests in the studio or as a call in, talking about their gardens, plants, garden products or events; the subject list goes on and on. My favorite parts were the calls from listeners. In the late '90s, I was brand new to gardening in Portland and found Mike's show on KXL. I learned so much practical advice from this segment of the show. The topical questions and problems talked about were on my mind too. Mike had such an easy going, witty style to answer all questions no matter how simple or difficult the answer. I asked Mike if he was ever stumped by a caller. He said, of course there were times he didn't have a ready answer. I would say, "I don't know, but if anyone out there can help, please call in." He said he would not pretend to know the answer and give out bad advice.

He did say that over all, the callers were extremely nice.

In those 35 years, so many people were guests, so many plants were talked about, so many places were brought to life by Mike on the radio show.

It was an incredible amount of information broadcast each Saturday morning.

I did ask Mike if there was ever an awkward guest or caller. He told me, one year at The Yard, Garden & Patio Show, he hosted a live broadcast of "In The Garden Show". He had just met the guest who was to be his next interview.



Cody with Mike and wife Linda Darcy.

I asked him a question that required a detailed answer and he said 'Yes'.

That was a very long "short" segment of the show.

During the radio show, Mike ventured into a few garden TV shows. The first show was four pilots for OPB with Oregon State University. That didn't work out, but that led to a show on KPTV(12) and then to another show on KATU(2). These shows were very much like the radio show but with video. The shows started with Mike in his garden, talking about what was blooming and one or two garden tips. Mike then went to another location to tour a garden or highlight an event. I asked what he liked so much about his radio and TV shows and he didn't pause and said he visited so many beautiful gardens and learned so much and that is what "made it special".

These days, Mike writes a twice monthly newsletter that started while he was still on the radio. He encouraged listeners to send in photos of "pretty plants and problem plants". "It was a way to let listeners know in advance who my guests would be. After the radio show was terminated, I continued with the newsletter as a way to keep myself connected to the local horticulture scene and also as a way to connect others. I get many photos from other gardeners."

As I said, Mike is a busy guy as he also writes a column for The Digger magazine published by the Oregon Association of Nurseries (OAN).

The trade association approached Mike to write a column highlighting the retail division of the



Hummingbird with Salvia

PHOTO CREDIT: DAVID BARRAGAR



Mike next to a *Tetrapanax papyrifer*

organization. Articles have been on subjects like "Current Trends at the Garden Center", "Don't Overlook These Late Bloomers" and "Where do Gardeners Turn for Answers?" His column creates a nice balance of retail/home gardeners vs grower articles in the OAN magazine.

I asked Mike if he still loves to visit gardens.

He smiled and said of course! This is what happens, I visit your garden and learn about a plant you have, now I need it. I always see an interesting combination of plants. "Gardening is always learning, gardeners are always sharing. You can be drooling over a plant on a garden tour and the gardener will give you a start of it." These are a few of Mike's favorite local public gardens; The Japanese Garden, Leach Botanical Garden, Peninsula Park Rose Garden and Lan Su, The Portland Chinese Garden. Mike told me Lan Su is his all time favorite as he was one of the many local garden volunteers that helped plant the

garden. He said, Sean Hogan (Cistus Nursery) called him to be a volunteer right before the garden was scheduled to open. Mike has many great memories of that time and loves the garden because of that connection, "It is a special place as I helped."

Mike and I talked about favorite summer plants in his garden. He said it has to be my Red Banana plants and then sent me great photos along with more great comments.

"We have three very large pots in the border bed along our lawn. Every year, I plant three red leaf bananas, (*Musa ensete 'Maurelii'*), as signature plants in these pots. I love the look of the huge red leaves. The plants grow fast and by September are often 8-10 feet tall. These bananas are not winter hardy. When I first began using them, I tried to overwinter them but did not succeed, I am not successful at this like Peter Eastman is. We do not have a basement and the plants are so big and heavy there was no

place to put them. So, when I buy them now, I mentally think of them as annuals and I do not try to overwinter them."

(Mike refers to Peter Eastman, previous guest on a Garden Time segment,

See Notes at the end of this article)

I asked how can it be that the Red Bananas grow so large in such a short time. Mike told me, "In the spring I buy a large plant, about 30 inches tall.

I fertilize it when I plant it and by August they are over eight feet tall."

I also asked him, you said you buy new plants every year, you just compost them?

Yes, "I let them pass on".

He started to chuckle and told me this story.

As I paraphrase, I had a listener that called in about my Red Banana plants.

She just couldn't understand that I let them pass on.

That phrase or that I don't save the plants just wasn't connecting for her.



Frog in Red Banana

PHOTO CREDIT: DAVID BARRAGAR

To subscribe to Mike Darcy's Newsletter

Send your Email to be added to
the Subscription List

itgmikedarcy@comcast.net

Garden Time Segment with Peter Eastman

Episode #481

<https://www.youtube.com/embed/Bj3zhfjBhTE>

Al's Garden & Home Video link

Peter Eastman mentioned in the article is the manager at Al's Garden & Home in Wilsonville. He filmed a video explaining "How To Overwinter a Red Banana"

<https://www.als-gardencenter.com/tips-inspiration/from-als-experts/386-peter-prepares-his-bananas-for-winter>

Mike Darcy's Columns for Digger Magazine

<http://www.diggermagazine.com/category/columns/darcy/>



Ginkgo Majestic Butterfly



Lespedeza thunbergii 'Gibraltar'

I had to explain it three times using different words that I let the plants die each fall. I don't know if she actually understood.

Mike also has a secret about those Red Bananas. He told me he likes to overhead water them so water collects in the leaf stems. The water builds up and he has found frogs living in the teeny pools.

Of course, the favorite plant question went on and on during our visit. I scribbled notes and notes and asked him to send me photos. Mike sent me lovely photos and graciously gave detailed descriptions I will share with all of you.

Two more Summer Favorites

"I have had a fascination with the Ginkgo and while my garden is way too small for a standard size tree, some of the new dwarf cultivars are excellent for containers. One of my favorites is Ginkgo 'Majestic Butterfly'. I love the variegation of the leaf and I have had one of these in a pot for perhaps ten years.

I also have a fondness for the genus Salvia and have many cultivars in pots on our deck and in the garden. Most Salvia plants are excellent for attracting hummingbirds and it is delightful to sit on our deck and watch these tiny birds in action."

Another two favorites for late Summer and Fall

"I think that shrubs that bloom in late summer often need to be better known. We are not visiting many gardens at this time of year and yet there is much to be seen. Lespedeza thunbergii 'Gibraltar' is a late summer perennial. It is a tough plant, can take full sun, little water and puts on a beautiful show in late August. It tends to have a sort of fountain type of growth habit and is best if it is contained in some way. We have ours in a square iron structure from Garden Gallery Ironworks in Hubbard. Our plant will reach about eight feet in height in just one season. I cut it back to the ground in the fall.

We have several Japanese maples in our garden and my favorite is Acer palmatum 'Fairyhair'. The leaves have lobes that are very narrow which makes it attractive in the summer and then in the fall it turns bright red. We have this in a large pot on our deck."

All in all Mike Darcy and I had a very nice visit talking about his family, his garden, favorite gardens and favorite plants. Even though Mike is no longer talking about plants and gardens on a radio or TV show, we can still enjoy his knowledge and wit in his writings.

His newsletter is just another way to learn and enjoy gardening and the outdoors in the area. And, if you're out and about in gardens or nurseries, you'll probably run into him satisfying his favorite pastime of being around beautiful plants!



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Roof & Ready

**Stay on top of your roof
and your roof will stay on top of you!**

by Ron Dunevant

Debris and untrimmed branches can cause long-term problems for asphalt shingles.

Home ownership is a never ending to-do list. If it isn't the lawn or the deck then it's the windows or the gutters or the hot water heater. But there's one component of our homes that stands high above the others. It keeps us dry and warm, and faces all hazards from the beating sun to pouring rain to snow and ice. It's our roofs, and because it sits out of sight, high above the fray, it can be easy to forget.

But we shouldn't forget it. Careful attention to our roof can prevent damage to our walls, floors, chimneys, and so many other parts of our home. If you have a new roof, an old roof, or one that's somewhere in between, a simple maintenance plan can increase its lifespan by years or even decades.

Now, if you're uncomfortable with climbing up on the roof, or if you don't know a hammer from a screwdriver, you're better off hiring a professional. But if you live in a house with a low roof or one that has a gentle slope, and if you're the do-it-yourself type, there are a number of things you can do to keep your roof looking good and performing well.

The Plan

A comprehensive roof maintenance program need not be esoteric or all-consuming. In fact, the first step is a simple one: Be aware of the condition of your roof. It seems like a no-brainer, but even

just glancing up at the roof is an easy step that many people miss. Even if you have no intention of climbing up there yourself, make it a habit to study your roof whenever you are outside. Many potential problems will be visible from a distance, such as leaves and debris piling up, overflowing gutters or damaged and missing shingles. Using a good pair of binoculars is a great way to get a close-up view of your roof while still keeping your feet on the ground.

In addition to these spot inspections, set aside some time, at least twice a year, to do a more thorough check. Many homeowners like to do it in the spring, after the winter weather has passed, but before the trees start to bear leaves. If you can find a dry, sunny day, you will have an unobstructed view and you'll be able to assess potential threats. Look for indications of damage that may have occurred from wind, snow and ice. It is also a good time to pre-treat for moss, before the weather warms up and the rains hit. Stopping the moss before it spreads will prevent damage and save you a lot of time later.

The fall is another good time to check your roof. After all the leaves are down, clear them off so they don't sit on your roof all winter. You can also check areas where ice and snow might gather, and check joints and seals. Nobody wants to discover their roof is leaking when the snow begins to melt.

PHOTO CREDIT: FASTILY VIA WIKIMEDIA COMMONS

It is also suggested that you check your roof after a heavy storm or high winds. Composition shingles, especially, can take a beating when a gust of wind hits it just right.

Your maintenance plan will also need to be adjusted depending on the materials used. Here are the most common:

Composition Shingles

The most popular type of roof in the Pacific Northwest as well as just about every region of the United States, composition shingles (also known as asphalt shingles) are a low cost roofing product. They are well-suited for our climate, resistant to harsh weather such as rain, wind, hail and snow.

Slate

With a unique look and available in an assortment of colors, slate roofs are a popular choice for colonial and European-style homes. They are durable and fire-resistant but also expensive and very heavy, requiring extra framing to hold the weight. A slate roof will generally last more than 50 years and some have even hit the century mark when installed properly.

Concrete and Clay Tiles

A less popular choice in this area, becoming more

common in the past few decades. Tile roofs have great curb appeal and are extremely durable. Like slate roofs, though, they are expensive and heavy. They are also vulnerable to problems caused by the damp weather we experience much of the year.

Metal

If you picture a metal roof like those old tin roofs that covered barns, you're in for a surprise. Metal roofs have made impressive advancements in style and color, with some even made to look like cedar shakes or slate. The lifespan will depend on the type of coating used, but some will last up to 50 years. They, too, are an excellent choice in our rainy and windy climate.

Cedar Shakes

An abundance of trees in this region made cedar shakes the first choice for many of the homes that were built in middle of the last century. Their distinct look gives them a great deal of curb appeal. However, they are more expensive and need more maintenance than other types of roofs. They are also susceptible to moss, lichen and mold. New products to control these hazards have helped make cedar roofs easier to maintain.

A Multi-Step Maintenance Program



Red Ceramic Roof Tiles



Red Metal Tile

PHOTO CREDIT: LOADMASTER VIA WIKIMEDIA COMMONS

PHOTO CREDIT: METALJEAN VIA WIKIMEDIA COMMONS



Poorly placed flashing by chimneys can lead to leaks.



A clogged gutter will force water under shingles and into walls and attics.

There are a dozen or so regular steps you can take to keep your roof in shape, but don't let that number intimidate you. Most require just a little bit of time and effort. A few, especially if you have a lot of trees around your house, may require a weekend. But, considering the cost of a new roof (anywhere from \$5,000 to \$15,000, depending on materials and complexity) a little time can save you a lot of money. Learning more about your roof, its strengths and weaknesses, can be a fascinating journey. And, as with anything, knowledge is power. Know your roof and you will be able to stop problems before they turn into an expensive repair.

Here, in no particular order, are the elements of a good roof maintenance plan:

Inspect Your Shingles

If they're missing, peeling, curling, cracked or missing granules (on composite shingles), they should be repaired or replaced.

Check for Deterioration

Everything breaks down over time (even slate and clay) and composite and wood shingles are especially vulnerable to rot and wear, especially in a rainy climate. If you notice bare spots where the granules have come off, or if your wood shingles are starting

to split or you find indications of dry rot, you will want to replace those sections before the damage spreads.

Remove Rooftop Debris

The amount of debris that a roof collects depends greatly on nearby factors, such as trees, shade from buildings or mountains, the steepness of the roof and the roofing materials. If you have a lot of trees nearby or if your roof has a very shallow slope, it is more likely to collect leaves or needles from trees. On the shady side of your house, moss is more likely to grow. If you have an area that is protected from the sun and wind, be aware that moss and leaves are more likely to collect in these area and clean them more often.

Check Caulks and Sealants

Caulks and sealants are an excellent way to keep running water from seeping into your attic and walls. Over time, some caulks will lose their elasticity and crack, allowing moisture to enter. Sealants also have a lifespan that may be shortened by sun exposure, wind and rain.

Inspect Joints

Joints, those areas where your shingles meet a wall,

a chimney, pipes, vents or metal flashing, are particularly vulnerable to leaks. Check them for damage and make sure they are watertight and intact.

Wash Your Roof

Even a new roof will eventually start to look dirty, with streaks starting at the top and working their way down. The streaks are a sign of algae, which does not do immediate damage, but looks bad and can eventually lead to rotting shingles. When washing your roof, be sure to use mild pressure, as some pressure washer attachments can damage composition shingles or create cracks and fissures in your shingles or joints.

Check Your Gutters

Some of the biggest roofing problems start at the bottom, with the gutters. If you have a lot of trees (and therefore a lot of leaves) you should check your gutters often when leaves are falling. It takes only a few leaves to block a downspout, and an overflowing gutter can easily force water under shingles and into eaves and attics.

Unclog Drains

When checking gutters, be sure that the downspouts have clear drains. Or, if your roof has flat areas that

contain a drain, be sure it is clear and that water exits freely without pooling.

Maintain Trees & Tall Shrubs

Trees and tall shrubs are a triple threat to a good roof. Besides dropping leaves, they grow branches that may scrape against your shingles when the wind blows. They also drop other debris that can cause problems, such as cones, seeds and blooms. In addition, the shade they create may keep your roof from drying completely. Trim branches back and remove any trees near your roof to prevent this.

Check Inside, Too

Besides checking up on the roof, you should also be checking inside your home for indications of water leakage. Stains on your ceilings or walls are a clear sign that you have water entering the house, and most likely a roofing issue. You also need to check inside the attic for signs of water staining. Bulging areas on interior walls or ceilings are also a sign of this (sheetrock is especially subject to bulging when wet).

You should also use your nose. Musty odors are a sign of moisture. The trick is in tracking it down to determine the source. A leak in a roof can travel many feet, and even room to room, along beams



Deteriorating asphalt shingles will lead to leaking and roof failure.



Unchecked moss growth prevents shingles from drying and will lead to deterioration.

PHOTO CREDIT: DMAHALKO VIA WIKIMEDIA COMMONS

PHOTO CREDIT: DAVE CROKER VIA WIKIMEDIA COMMONS



Spray-on applications can help remove and prevent algae and moss build-up.

and attic floorboards. Sometimes you have to be like Sherlock Holmes to find the point of origination. One clue: water flows downward, so start at the bottom and work your way up.

Water stains can be puzzling. Is this a new stain or an old one? If it's dry, it's often difficult to tell. Take a picture with your smart phone or digital camera. That way, you have a dated record of the stain that you can compare later, to determine whether the problem is an old one that has been fixed or a new one that needs attention.

Attic Insulation and Ventilation

This is also of an inside job, so to speak, but just as important. A hot attic not only makes the inside of your house warmer, it can also damage your roofing materials. Ventilation will help remove this heat and also keep condensation down.

Through all of this, preventative maintenance is the key. Eliminating potential problems before they can do any damage is much easier and cheaper than roof repair later on. There are a number of products available at home improvement stores that will help.

Moss Killer

When you live in the Pacific Northwest, moss is always a problem. It's in our grass, on our sidewalks and on our roofs. Moss is one of those hazards that,



After cleaning, the results are evident.

if neglected for even a year, can quickly overtake a roof, and the resulting moisture that it holds will cause problems.

Moss treatments contain different ingredients for different applications. Generally, a moss killer you would use on your lawn is not recommended for your roof. Some that contain iron will actually stain your roof, so be sure you read the label carefully. These applications often come in a powder form, which you sprinkle at the peak of your roof and allow the rain to wash it down to lower levels. There is also a liquid version that you apply with a garden hose. A third option is to install copper strips which, when exposed to rain, stream copper molecules down your roof which retards moss.

Algae and Stain Removers

If your roof has green and black stains caused by mold, mildew or algae, there are roof cleaners such as "Spray & Forget™," a concentrate that can be applied to asphalt, wood, slate, clay, and tile shingles. It is sprayed on your roof with a garden hose (without rinsing) and prevents stains with subsequent rainfall.

Whew! That's actually a lot of things to pay attention to. The good news is that you don't have to do them all at once. Just make it a regular part of your routine and know what to look for. Stay on top of your roof and your roof will stay on top of you!

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www.gardentime.tv/store

WTDITG

The time goes so fast! With Summer winding down, it's time to enjoy the last warm days of the year, and turn our focus to Fall. September is a good month to plant, and it's a great time to start planning your garden for next year. With Fall rains coming, new plants will get established before the cold weather arrives.

PLANNING

- Plan some new color for spring by figuring out where to plant some spring bulbs. Creating pots with 'layers' of bulbs would be fun. A cluster of bright yellow daffodils planted at the base of a tree or three will really liven the yard up in the early months. Daffodils aren't eaten by squirrels or deer so they should remain intact for years giving you more color every spring.
- Check on the vegetables to be harvested. This is an important time to check on the crops, picking them before the veggies lose their flavor.
- Since September is a good month to plant and there are usually sales now on nursery stock, why not do a little landscape renovation? If you need help, bring some photos and notes into your local independent garden center. They can help you put together some good ideas of what to plant and where.



PLANTING

- It's time for shopping and planting spring bulbs! As the weather cools, that should be your signal to purchase some bulbs for a spring display of sunny color. Tulips, daffodils, hyacinths and crocus can be found now. You'll have up until late October to plant them, but selection of the coolest bulbs is gone early so don't delay.
- Fall is an exceptional time to plant landscape trees and shrubs! With the rains coming on soon and the soil being so warm from the summer sun, the plant's root systems take right off this time of year. Most likely there are sales to take advantage of, so the savings make it even more enticing.



TASKS, MAINTENANCE & CLEAN-UP

- Apply Beneficial Nematodes to the beds below rhododendrons and azaleas to fight root weevil damage. Root weevil adults do the damage above ground that is visible so you'll know if they are around. The grubs below ground are the killers, girdling the trunk, besides eating the majority of the roots. Beneficial Nematodes are microscopic creatures that hunt out and destroy these pests and 229 more species of insects, but are not harmful at all to earthworms, humans or pets. They are active for two years in the soil too!
- Be on the lookout for slugs and their eggs. Fall is egg laying time again for the slimy creatures. Eggs are easy to spot and get rid of, if you know what they look like. Slugs lay eggs under stones, pavers, boards, plant debris or wherever they can find a hiding spot. The eggs are usually clustered in groups and look like little BB's, but are a creamy color. By finding and destroying these eggs before they hatch, you will take care of hundreds of the slimy leaf-chompers before they can get to your plants.
- Begin to get plants ready for winter by holding



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What To Do In The Garden

SEPTEMBER

back on the watering and stop any fertilizing this month. The plants need to get toughened up for the coming winter. If watered frequently and fed too late in the season the leaves are more tender and apt to freeze or be severely damaged.



- September is an excellent month to start a lawn from scratch or over seed a thin lawn. In fact this time of year is about the best and fastest time to start a lawn.

- Fertilize the lawn now if you haven't done so for a couple of months. With the cooler weather and rains on the way you will notice the lawns becoming greener and thicker again, naturally.

- Pull up begonia tubers before it gets too cold or at least move the pot into a garage or shed. Let foliage die down naturally, then remove foliage, lift bulb out of the soil and store the begonia tubers separately in paper bags (breathable!) in a protected cool, not cold, environment like a basement or a chilly room.

- Dahlias: to dig or not to dig? If you dig up the dahlias to store them, and then divide and replant in the spring, they will continue to come up bigger and better every year. If left in the ground eventually they will poop out, getting many smaller stems and fewer flowers.

Dig the tubers at least one week after a frost and after the stalks have died down. Dahlias dug too early will not store well. Cut the stalks down to 6-8", shake the loose soil off the clumps (don't



wash the clump) then allow the clump of tubers to cure or dry for a few days before being stored indoors

in a cool dark area. Check stored tubers occasionally for any rot developing. You will divide and replant them next May.

- This is a great month to divide iris and other spring and early summer blooming perennials. Iris and other perennials can become overcrowded and that slows down on its flowering show. By lifting the clumps, cutting out the old centers or mushy parts and then replanting the leading growing edge of the clump immediately back into the garden, the perennials can again take off and give you additional years of flowers.

VEGETABLE GARDEN

- You can still seed these crops right into the garden: Arugula, beets, cabbage (for spring harvest), carrots, endive, fava beans, garlic cloves, lettuce, kale, mache, onion sets, radish, salad greens and shallot bulbs.

- Mulch the mature carrots, beets, turnips and parsnips for winter harvesting. By applying good 3-5" thick mulch you can store these veggies right out in the garden. Pull some up whenever you want to fix some for a meal.

- Harvest the winter squash when the 'ground spot' turns from white to a cream or gold color. (The ground spot is just what it sounds like, the part of the squash fruit that lay on the ground.) Winter squash can be harvested whenever the fruits have turned a deeper color and the rind is hard. Harvest the main part of the crop in September or October, before the heavy frosts. Cut squash from the vines

carefully, leaving two inches of stem attached if possible. Squash that is not fully mature, has been injured, or had their stems knocked off, or has been subjected to heavy frost will not keep.

- Harvest potatoes when the tops die down and before the first frost. Dig up the tubers, being careful not to nick the spuds with the shovel. Any tubers that have a damaged spot from digging should be cooked up and not stored. By hand remove any soil clinging to the potatoes and then leave them on top of the soil for a few hours to dry out - if they are stored damp, they will rot. Leaving them on the soil surface in the sun will harden the skin slightly, doubling the storage time.

- Protect the tomatoes, peppers and eggplant from early frost. Drape the plants with Harvest Guard protective yard and garden cover. Pick green tomatoes and ripen indoors if cold weather threatens.



PLAY TIME

Gardening Events Around Town

Art in the Garden
thru September 22, 2019

The Oregon Garden, Silverton, OR

Enjoy stunning art installations, created by local artists, on display throughout the Garden. The event kicks off with an opening reception and opportunity to meet the artists. www.oregongarden.org

2019 Annual Dahlia Festival
Saturday-Monday, August 31-September 2, 2019
• 8:00am-6:00pm

Swan Island Dahlias, Canby, OR

A must see for the dahlia lover, or if you just love flowers. View over 400 floral arrangements of dahlias, over 15,000 cut dahlia blooms on display, in our three indoor display rooms. This is the largest display put on by one grower anywhere in the United States! Free Admission, Free Parking, Handicap Accessible, A Rainbow of Color! Indoor Display Hours: 10 am to 6 pm. Field Hours: 8:00am-6:00pm. www.dahlias.com

How to Grow and Care for Roses*
Tuesday, September 3, 2019 • 6:30pm
(doors open at 6:00pm)

City of Beaverton, Griffith Park Building, Beaverton, OR

Presenter: Rich Baer, Former President Portland Rose Society. Join us for this informative class. * Class is approved for one hour MG Education Credit.

Location: City of Beaverton, Griffith Park Building, Room 330, 4755 SW Griffith DR, Beaverton, OR 97014 (sponsored by Washington County Master Gardeners Assn. No registration needed, free parking, free event). washington-countymastergardeners.org

Honeybee Hikes
Wednesdays, September 4, 11, 18 & 25, 2019
• 10:00am-11:00am

Leach Botanical Garden, Portland, OR

Your little honey bee will walk the trails - listening to the wind and the creek, touching soft leaves and looking for wildlife like bunnies, woodpeckers and deer. Our wonderful guides will then read a story and help the children craft something fun. Each week is different with seasonal themes. Ages: 2-5 years, accompanied by an adult. Meets at the Manor House. Dress for the weather! \$3.00 per child, non-walkers free.

Punch cards available in the Leach Garden Gift House—purchase 5 hikes and get the 6th one free. Groups with

continued next column

10+ children/adults must preregister by contacting the Education Coordinator, 503-823-1671. Please check our website for possible cancellations due to weather or the impacts of our upper garden construction project.

Leach Botanical Garden, 6704 SE 122nd Ave., Portland, OR 97236, 503-823-1671. <https://www.leachgarden.org/>

The Intriguing History of Garden Tools
Wednesday, September 4, 2019 • 7:00pm-8:30pm
Leach Botanical Garden, Portland, OR

The story of garden tools is the story of civilization. Although tools have evolved from sticks and stones to bone and wood, to a wide range of modern plastics and metals, the work we do with the tools hasn't changed much. Seth Pauley of Red Pig Garden Tools will talk about how garden tools evolved and how their history informs what tools we use today. He will also cover how to choose the right tool for the job, offer tips for digging and weeding more efficiently in the garden, and answer questions. The audience will be challenged by Seth's intriguing collection of old and unique tools - what on earth did they use that for? The artisans at Red Pig Tools are the only blacksmiths in the United States specialized in hand forged garden tools for home gardeners, nurserymen, landscapers, and farmers. Leach Botanical Garden Manor House, 6704 SE 122nd Portland, OR. Doors open at 6:00 pm for refreshments and strolling. Lectures begin at 7:00pm. Please use Creekside Parking Lot. Each lecture: \$15/person \$10/person for Leach Garden Friends. Reservations Required - 503-823-1671 or www.leachgarden.org

Chicks Night Out 2019
Thursday, September 5, 2019 • 5:00pm-8:00pm
Bauman Farms, Gervais, OR

Looking for a fun and exciting night out with you and your girlfriends? Come join us for "Chicks Night Out" at Bauman's. RSVP Today! 15% off the entire store for Bauman Rewards Members (non-members receive 10% off) 50-70 % off Pottery (brand new shipment arriving for the event). You will find amazing sales in addition to the entire purchase discount. There are lots of fun activities and give-aways to include: free classes throughout the evening, free live music, free gourmet food and cider sampling and free massages. Food, hard Cider, and wine will be available for purchase. Free. www.baumanfarms.com

Hoyt Arboretum Guided Tours
Saturdays & Sundays, thru October 27, 2019
• 11:00am & 1:00pm

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Hoyt Arboretum, Portland, OR

To better accommodate the public, Hoyt Arboretum is now offering two tours on Saturday and Sunday. Tours will begin at 11:00 a.m. and 1:00 p.m. and last up approximately one and one-half hours every weekend through October 27. Trained guides take pride in their knowledge of the 2,000 species and the unique history of the area. Information regarding each day's tour is available on the website.

Tours are free for Hoyt Arboretum Members and \$3 for non-members. Registration is not required, just show up to learn about the collection and have a nice walk in the trees. Attendees should be prepared for all types of weather conditions; boots or sturdy shoes are recommended and bring a jacket, camera and water. There are several hills in Hoyt Arboretum and sometimes large inclines on trails. Transportation to the Hoyt Arboretum is available via MAX, followed by a short walk up the hill or a ride on the Washington Park free shuttle to the arboretum visitor center. Paid parking in adjacent lots and limited free spaces are available on the street. <http://hoytarboretum.org/events>

Plant a Bulb

Saturday, September 7, 2019 • 11:00am(W)

Saturday, September 14, 2019 • 11:00am(S)

Saturday, September 21, 2019 • 11:00am(G)

Saturday, September 28, 2019 • 11:00am(V)

Al's Garden & Home, Woodburn, Sherwood, Gresham, Wilsonville(V), OR

Don't miss this fun event! In this class we learn all about the magic of bulbs. We will be planting tulip bulbs that will bloom in the spring as well as a lovely flower on top, to provide color through fall and winter. The surprise and excitement in spring when you see your tulips begin to emerge is well worth the wait! Cost: \$7.50. www.als-gardencenterevents.com

Hot Water Bath Canning 101

Saturday, September 7, 2019 • 11:00am-12pm

Blooming Junction, Cornelius, OR

Canning is a great and easy way to preserve the taste of summer to enjoy throughout the whole year. You will learn the basics of hot water bath canning and all the steps that are necessary to ensure safe preservation. Cost: \$12/person. www.bloomingjunction.com

Clackamas County On Tap and Uncorked

Saturday, September 7, 2019 • 1:00pm-9:00pm

Sara Hite Memorial Rose Garden, Portland, OR

continued next column

Now in its third year, Clackamas County On Tap and Uncorked showcases the region's flourishing craft wineries, breweries and distilleries, as well as live music, food carts and other vendors. The event will take place at the Sara Hite Memorial Rose Garden (adjacent to North Clackamas Park) on September 7, 2019 from 1:00 - 9:00 p.m. Come enjoy local beer, wine, spirits, great food and entertainment while supporting Meals on Wheels in North Clackamas - so no senior goes hungry. Sample tastings from a wide range of exhibitors from Clackamas County and beyond - all in a beautiful rose garden setting.

Clackamas County On Tap & Uncorked is a benefit for the Milwaukie Center's Meals on Wheels program. One of the largest Meals on Wheels providers in Oregon, the Center delivers over 65,000 nutritious meals annually to homebound older adults in North Clackamas. Sara Hite Memorial Rose Garden, 5440 SE Kellogg Creek Drive, Milwaukie, Oregon 97222. Cost: \$15. www.clackontap.com

First Saturday Guided Tours of Leach Botanical Garden

Saturday, September 7, 2019 • 11:00am-12:00pm

Leach Botanical Garden, Portland, OR

Join Gardener/Curator Courtney Vengarick for seasonal explorations of the Garden. She will show you what's blooming and of seasonal interest, provide useful and engaging information, and share fun stories about the adventurous creators of the Garden, Botanist Lilla Leach and pharmacist/civic leader John Leach.

Meet in front of the Manor House. Free. No registration required. First come, first served. Maximum tour size 15 visitors. Leach Botanical Garden, 6704 SE 122nd Ave., Portland, OR 97236, 503-823-1671. www.leachgarden.org

Grasses

Sunday, September 8, 2019 • 1:00pm-2:00pm

Garland Nursery, Corvallis, OR

This is a great class for the fall gardener. Grasses can add beautiful texture and color to your autumnal landscape. Karen will show you how to design with grasses for any landscape aesthetic. www.garlandnursery.com

Seeds: Harvesting, Cleaning, Drying and Saving

Thursday, September 12, 2019 • 10:00am-11:00am

Learning Garden at Jenkins Estate, Beaverton, OR

Presenter: Sarah Gramm Wolf, Master Gardener. Hands-on class describes harvesting your favorite heirloom seeds on a home-garden scale. It covers all aspects for suc-

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PLAY TIME

Gardening Events Around Town (continued)

Successful seed harvesting, sharing best practices to ensure seed viability. Pioneers brought saved seeds when they crossed the Oregon Trail...the tiny, mighty seed!

Location: Learning Garden at Jenkins Estate, 8005 SW Grabhorn, Beaverton, OR 97007. Map On weekends, use the Camp Rivendale entrance on Grabhorn Road, park, then walk past the play structure down to the Learning Garden. Free event, free parking, no registration needed. Event is held rain or shine, under cover, if needed. washingtoncountymastergardeners.org

Leach Garden Celebrates Founders' Anniversary
Friday, September 13, 2019 • 10:00am-2:00pm
Leach Botanical Garden, Portland, OR

John and Lilla Leach, the creators of Leach Garden, were married on the 13th day at the 13th hour with 13 wedding guests in Aurora, Oregon. Leach Botanical Garden will be celebrating the anniversary of their wedding on Friday, September 13, from 10-2 with a Stone Cabin Open House, a treasure hunt, light refreshments, and historical displays in the Manor House.

John Leach promised Lilla that he could wrangle a mule team and take her places no "cake eating botanists" would go. John was a pharmacist who opened the original Phoenix Pharmacy at 67th and SE Foster Road; Lilla was a botanist who went on to find five species of plants previously unknown to science. The couple lived in the home they called Sleepy Hollow until 1972.

Come visit the garden, see the plans for the Upper Garden development project, currently underway, and join in the festivities. Free. Leach Botanical Garden straddles Johnson Creek at 6704 SE 122nd Ave. in Portland. For more information, call 503-823-1671 or visit www.leachgarden.org. Note: Due to construction, parking is restricted to the Creekside lot.

Bonsai Jamboree
Saturday, September 14, 2019 • 9:00am-4:00pm
Milwaukie Community Center, Milwaukie, OR

There will be a market place (plants, pots, supplies, tools, soils, etc. for sale), Lectures, Displays of Bonsai trees at all levels of development and refinement, Hands on Classes, Demonstrations and more. Activities are available for all levels, beginners to advanced, and activities for children. Admission is \$5.00 per person, 12 and under Free. Additional fees are charged for hands on classes which include plants and materials. The location for the event

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will be the Milwaukie Community Center, 5440 SE Kellogg Creek Drive, Milwaukie, Oregon.

Autumn Moon Festival
Saturday, September 14, 2019 • 10:00am-5:00pm
Lan Su Garden, Portland, OR

Most cultures have a harvest festival and China is no exception. Zhong Qiu Jie, the Autumn Moon Festival, has roots back to ancient times and is an important traditional Chinese holiday. Traditionally taking place on the fifteenth day of the eighth month of the lunar calendar, the Autumn Moon Festival is usually on or close to the time of the "Harvest Moon" when the moon appears at its fullest during the autumnal equinox. www.lansugarden.org

WCGMA Learning Garden Open House
Saturday, September 14, 2019 • 10:00am-1:00pm
Learning Garden at Jenkins Estate, Beaverton, OR

Tour the Learning Garden for planting and growing ideas covering natives, small fruits, perennials, herbs and vegetables. Master Gardeners available to answer questions. Free workshops, see following. Activities for families. washingtoncountymastergardeners.org

Fall Garden Fair
Saturday & Sunday, September 14 & 15, 2019
• 10:00am-5:00pm

The Oregon Garden, Silverton, OR

The Oregon Garden is so excited to once again partner with the Oregon State Federation of Garden Clubs to present the second annual Fall Garden Fair! Join us for an event that invites visitors of all ages to engage with and learn about gardening in the state of Oregon. Peruse a horticultural showcase to learn more about the plants that grow in our region, attend a judged floral show, find a new addition for your own garden from local nurseries and garden artists at the plant sale and get inspired at one of our educational demonstrations. Above all, enjoy the thriving gardening community we're so lucky to be a part of!

Activities: Plant and garden sale, floral showcase, horticultural showcase, judged floral design show, educational demonstrations, hands-on workshops, live bee demonstration hive, free gardening book and magazine swap, children's crafts and activities, hourly raffle drawing... and more! www.oregongarden.org

Planting a Water Wise Garden for Fall and Winter Interest*

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Saturday, September 14, 2019 • 10:00 am-11:00 am
Learning Garden at Jenkins Estate, Beaverton, OR

Presenter: Carolyn Adams and Jacque Myers, Master Gardeners. Create fall and winter interest in your Water-wise garden. Learn the plants and care that will give your fall and winter garden zing, no matter what the weather, with color, blooms, berries and birds. * Class is approved for one hour MG Education Credit. washingtoncountymastergardeners.org

Fall Event

Saturday, September 14, 2019 • 10:00am-4:00pm
Terra Gardens Nursery & Bark, Salem, OR

Join us for a "leaf-changing" experience! We will be hosting the Home Orchard Society for apple/fruit IDs and the Salem Audubon Society who will be doing a bird-house building class. There will also be a seasonal cooking demo, as well as a number of other local vendors (a Salem brewery, gourmet cheese, pie, cake, food truck, coffee, local artists, Marion County Master Gardeners Association) plus some modest games for kids and an hourly raffle. And on top of it all, our BIGGEST SALE of the year! Check our Fall Event webpage for more info (including the cooking demo schedule). www.terragardens.net/fall-event

Authentic Salsa

Saturday, September 14, 2019 • 11:00am-12:00pm
Blooming Junction, Cornelius, OR

Guest instructor, Nohemi Valencia, owner of The Portland Salsa Co. will be demonstrating her favorite authentic salsa recipes including salsa verde, salsa roja, and guacamole. She'll also share her freezer method; yielding delicious fresh tasting salsa all year long, even when there are no fresh ingredients to be had! Enjoy samples ranging from somewhat mild to definitely wild.

Cost: \$12/person. www.bloomingjunction.com

Year-Round Landscape Ornamentals Pruning*

Saturday, September 14, 2019 • 11:30am-12:30pm
Learning Garden at Jenkins Estate, Beaverton, OR

Presenter: Sandy Japely, Master Gardener. Confused about when and how to prune your trees, shrubs and perennials? Learn when, how and where to prune to get the results you want. Does not cover pruning of fruit trees. washingtoncountymastergardeners.org

Location: Learning Garden at Jenkins Estate ♦ 8005 SW Grabhorn, Beaverton, OR 97007 Map On weekends, use the Camp Rivendale entrance on Grabhorn Road, park,

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then walk past the play structure down to the Learning Garden. Free event, free parking, no registration needed. Event is held rain or shine, under cover, if needed. * Class is approved for one hour MG Education Credit. washingtoncountymastergardeners.org

Fall Rose Show

Saturday, September 14, 2019 • 12:00pm-8:00pm

Sunday, September 15, 2019 • 11:00am-5:00pm
Lloyd Center, Portland, OR

The Portland Rose Society presents its annual Fall Rose Show on September 14 & 15, 2019, at Lloyd Center. Join us to explore the variety of roses from the quarter-inch micro-minis to the 8 inch standard blooms. from the exotic green rose to the red rose hips, from the calm colors of the "Peace" rose to the raucous shades of "Ring Of Fire". You can find us on the second floor near Ulta Beauty. The show opens to the public at noon on Saturday, September 14, and is available for viewing until the Mall closes at 8 p.m. On Sunday, September 15, the show opens at 11 a.m. and runs until 5 p.m. when the remaining blooms will be distributed to the public. Entries will be accepted Saturday morning from 6:30am to 9:30am New entries are encouraged and welcomed and there will be designated people to help new exhibitors prepare their roses. Our aim is to help Portlanders learn more about roses, their care and beauty, and just maybe, find a new rose to plant this fall. At Lloyd Center on the second floor by Ulta Beauty. www.portlandrosesociety.org

Plant Swap with Summer Rayne Oakes

Saturday, September 14, 2019 • 1:00pm-4:00pm

Al's Garden & Home, Sherwood, OR

Join us for a Plant Swap and Q&A with author and plant guru Summer Rayne Oakes! Author and plant guru Summer Rayne Oakes and Al's have joined together to present a Plant Swap, Saturday, September 14th from 1PM - 4PM at Al's of Sherwood! Bring pest-free plant(s)—potted or bare root—for trade. Limit 5 plants. Additionally, if you are a potter/ceramicist or someone who makes macrame plant holders, for instance, then feel free to substitute your plant(s) for your work! www.als-gardencenterevents.com

Lantern Viewing

Saturday, September 14, 2019 • 7:00pm

Lan Su Garden, Portland, OR

As a finale to the celebration of the Autumn Moon Festival, Lan Su Chinese Garden presents a special Lantern Viewing Evening beginning at 7 p.m. on Saturday, Sep-

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PLAY TIME

Gardening Events Around Town (continued)

tember 14 after the day-long Autumn Moon Festival in the garden. *Special ticket required. www.lansugarden.org

Conifers

Sunday, September 15, 2019 • 1:00pm-2:00pm
Garland Nursery, Corvallis, OR

Conifers are truly the backbone of any Pacific Northwest landscape. When everything else has gone dormant your conifers will be the stars of the garden. Come explore the wild and wonderful world of conifers with Garland's own Patrick Meehan. www.garlandnursery.com

Portland Nursery Senior Gardening Day

Wednesday, September 18, 2019 • 1:00pm-3:00pm
Portland Nursery (Division), Portland, OR

Sponsors Home Instead, Earthtones Music Therapy Services and Portland Nursery team up every year to bring a variety of hands-on activities and special gardening demonstrations aimed at the elder gardeners of our community.

Tables are set up under cover surrounded by beautiful and blooming displays. Relax, visit with friends and enjoy refreshments. Pot up crocus bulbs, make lavender sachets and learn about fall container gardening. Groups need to pre-register. All are welcome, but RESERVATIONS ARE REQUIRED FOR ALL GROUPS arriving in buses or vans. Group spots fill quickly, so please call Jennifer Fifer: 503-490-1751 to arrange your reservation.

For Senior Gardening Day at Division, reservations close September 1, 2019. www.portlandnursery.com

Mutualism, Deception, and Self Defense: The Complex Dance of Co-evolution in Insects & Plants

Wednesday, September 18, 2019 • 7:00pm-8:30pm
Leach Botanical Garden, Portland, OR

Scientist Celeste Searles Mazzacano will help us discover some of the fascinating and intricate ways in which plants and insects have evolved to affect each other's traits and behaviors, including defensive arms races, attraction to sweet rewards, trickery and death traps. From sex and reproduction to some of their elaborate social organizations, getting to know insects up close and personal can be captivating. Celeste Searles Mazzacano is the Owner and Principal Scientist at CASM Environmental LLC. She has a B.S. in Genetics & Cell Biology and a Ph.D. in Entomology. Her research and teaching have taken her from river bottoms to tree canopies and from universities to fish & wildlife agencies. She is a fun and enter-

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taining speaker. Leach Botanical Garden Manor House, 6704 SE 122nd Portland, OR. Doors open at 6:00 pm for refreshments and strolling. Lectures begin at 7:00pm. Please use Creekside Parking Lot. Each lecture: \$15/person \$10/person for Leach Garden Friends. Reservations Required - 503-823-1671 or www.leachgarden.org

Bauman Farms Harvest Festival September 21-October 31, 2019 Bauman Farms, Gervais, OR

Opening Day: September 21, 2019! We've been having Fun On The Farm Since 1895. Come early and spend the day with us! With so many fun things to do where do you start? This year there are more than 25 activities for kids of all ages. The farm is transformed into an activity center with mazes, obstacle courses, giggle-worthy rides, oodles of farm animals and memories-a-plenty! Plan on spending the day with us for Fall Family Fun....All Day Long! www.baumanshf.com

Iris Society Sale

Saturday & Sunday, September 21-22, 2019
• 9:00am-4:00pm

Portland Nursery (Stark), Portland, OR

Join us for this iris sale from the Iris Society. www.portland-nursery.com

Harvest the-Good-Life Hoedown

Saturday, September 21, 2019 • 11:00am-5pm
Blooming Junction, Cornelius, OR

Description: Time to put your hoes down and party up! We're celebrating the harvest with good food, drink, music, and friends! Enjoy live entertainment from Pick and a Bow and Half Grass'd, food from Ochoas, and drinks from various wine, beer, and cider vendors! Cost: Free. www.bloomingjunction.com

Bonsai Class: Topic TBA

Saturday, September 21, 2019 • 11:00am
Tsugawa Nursery, Woodland, WA

Join us and learn about this fun, relaxing and artistic hobby. All levels are invited. We look forward to seeing you! A fee for materials may be added once topic is determined. Call us for more information. www.tsugawanursery.com

Impact NW Summer Garden Party

Saturday, September 21, 2019 • 6:00pm-9:00pm
Portland Nursery (Division), Portland, OR

Impact NW's Annual Garden Party is a delightful fund-
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raiser at the Portland Nursery on SE Division where guests enjoy all the best the Northwest has to offer. Impact NW's Annual Garden Party is an opportunity for business and community leaders and caring individuals to come together to strengthen Impact NW's mission to help people prosper through a community of support. It's a delightful occasion to enjoy all the best the Northwest has to offer. The Garden Party features fresh from the farm cuisine, a beautiful garden setting, live and silent auctions, local wines and craft beers. We hope you can join us! (Division store closes at 4:00pm for event.) www.portlandnursery.com

Colors of Fall Festival

Saturday & Sunday, September 28 & 29, 2019

• 10:00am-5:00pm

**Cascade Nursery Trail Nurseries,
between Aurora & Salem, OR**

LAST CHANCE FOR PLANTS! Late season gala brings glowing surprises in the garden that are seldom seen! Unique offerings chosen for fall planting and winter interest will be featured for this celebration of season. This time of year brings the promise of warm soils, cooling ambient temperatures and coming rains – the perfect time for planting! Wander thru our gardens and let us be your muse...it is also time to ponder winter interest additions and spring surprises. There is always a great variety of established pots, begging to be taken home and planted in your garden this time of year. We are happy to advise and suggest. As we rev up our wagons one more time to collect our visions for next year's dreams, we find that THIS is the time to score some really good stuff! www.cascadenurserytrail.com

Eco-dyeing Silk Scarves Workshop

September 29, 2019 • 9:00am-4:00pm

Leach Botanical Garden, Portland, OR

Botanical printing uses historical methods to capture colors, textures, and shapes found in nature – resulting in stunning plant portraits on fabric. Leaves are layered onto natural fabrics, tightly bundled, then steamed or boiled. This environmentally gentle process permanently transfers botanical pigments without synthetic dyes, inks or paints.

Textile artist Anna Zell will lead you step-by-step through the eco-printing process. At the end of the day, you'll take home your own eco-printed silk noil and either crepe de chine or charmeuse silk scarf. You'll also be given a dyeing kit and the knowledge to make more, for yourself or as spectacular gifts for others. (See Anna's work

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at www.facebook.com/annazell designs). Cost: \$125
Location: Manor House & Terrace, Leach Botanical Garden, 6704 SE 122nd Ave., Portland, OR 97236, 503-823-1671. <https://www.leachgarden.org/>

Fight For Your Life 5k

Sunday, September 29, 2019 • 10:30am

French Prairie Gardens, St. Paul, OR

Run, Walk or Crawl...we'd love to have them all!! Fight for your Life 5K was created in remembrance of Emily Pohlschneider-Edwards. The race is hosted at Emily's Family farm, our very own French Prairie Gardens, where she grew up and helped work the fields. This flat course will be located on dirt roads winding through the farm land out in the country. Great for Runners, Joggers, Walkers or all ages. Family Friendly event. Join us for the Kids Dash, an 800 meter race for kids ages 5-10. Receive 1 activity wristband along with your race registration to use all of our family fun activities, visit our Brew area, and food vendors for a day of fun! All Race proceeds will go towards our foundation, Em's Fight to help local women fighting cancer. For more information on our foundation visit: EmsFight.org.

Early registration is \$30 by 9/16/18, late registration is \$35 and day-of registration \$40 per person. Registration includes race t-shirt, race packet, one beer (Must be 21+ for beer), & receive 1 Activities Wristband along with your race registration to use for all of our farm fun activities for a day of fun! Racers 13 and under are \$5 – and do not receive a t-shirt or race timing/race number. If you would like to purchase one you may do so in the form under extra t-shirt for \$10. www.fpgardens.com

Hedgerows, Hedges and Privacy

Sunday, September 29, 2019 • 1:00pm-2:00pm

Garland Nursery, Corvallis, OR

Hedgerows are nature's corridors and create privacy. And we all know a good hedge makes for good neighbors. Whether you need to block an unsightly view or create a wind/sound break this class will get you on your way! Garland Nursery, 5470 NE Highway 20, Corvallis, OR. www.garlandnursery.com

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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Clark County Fair • Exercise Equipment Northwest • Ludeman's
Neil Kelly • Parr Lumber • Portland Nursery • Salem Hospital
Terra Casa • Taggart's • Tsugawa Nursery**

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