

SCHEDULE

FROM THE GROUND AND UP – SATURDAY, JUNE 22, 2019

8am – Registration Begins – Breakfast, coffee and snacks

8:35am – Keynote Speaker in the Cafeteria – Sue Goetz, Landscape Design – Before and After

Landscape Design - Before and After - Garden Design Dilemmas fixed!

Design tips and stylizing for the real world with insider tips from award-winning garden designer, Sue Goetz. See before and after photos and find out what happens between. Is it a DIY project or do you need professional help? Maybe it is both! Practical ideas, and advice to bring your landscape dreams to life.



Bio: Sue Goetz CPH, garden designer, author and speaker.

Sue Goetz is an award-winning garden designer, writer, and speaker. Through her business Creative Gardener, she works with clients to personalize outdoor spaces—from garden coaching to full landscape design. Sue is also lead designer on staff with Father Nature Landscapes in Tacoma, Washington. Her garden design work has earned gold medals at the Northwest Flower & Garden Show and specialty awards including: The Sunset Magazine award, Fine Gardening magazine award and The American Horticultural Society Award.

Writing and speaking are other ways Sue shares her love of gardening. Her motto “...inspiring gardeners to create” defines her talks and hands-on workshops with how to's and ways to inspire creativity in and out of the garden. She has

been named Educator of the Year by the Washington State Nursery and Landscape Association and shares her love of the garden and herb growing with talks featured all over the U.S. Sue is a member of Garden Writers of America, and her work has appeared in numerous publications including: APLD Designer magazine, Pacific Horticulture Magazine, and Fine Gardening Magazine. She is the author of the books *A Taste for Herbs* (St. Lynn's Press 2019) and *The Herb Lover's Spa Book* (St. Lynn's Press 2015).

“A landscape becomes so much more when a design is infused into it. It is more than just a place to put plants...it is the love of the garden; combining plants, garden décor, and creativity.

9:50am – First Morning Sessions – Six to choose from

Scott Vergara

Drought Tolerant Plants in the Landscape: What “makes” plants “drought tolerant” and how to be successful cultivating them.

What “makes” a plant “drought tolerant”?

Why did my “drought tolerant” plant die after this summer (or winter)?

So you don't have to know how a car actually works to drive it to the store but if it stops working some night in a cell phone dead zone on a dark deserted highway (hum *Hotel California* to yourself) it helps to understand some of the basics of what goes on under the hood so you just might be able to escape the glowing eyes across the road lurking in the bushes. If your car model is after the mid 70's and is an automatic, well.....it was nice knowing you.

I believe that understanding what is happening out of sight can be extremely helpful in growing plants in less than optimal situations, specifically under drought conditions.

We'll discuss what makes a plant “drought tolerant” both internally (physiological) and externally (morphological) and explore the various strategies that plants employ to survive the dry times. Discussion will include how to select from the big list, those plants that would best succeed in your landscape based on your more specific amounts of light, seasonal water availability, soil conditions, and temperature ranges both daily and seasonally.



Bio for Scott Vergara

Over 50 years of experiences with a multitude of different plants. From collecting and breeding and propagating to growing and selling plants in both commercial (retail & wholesale) and hobbyist settings.

I started growing and selling cut flowers when I just turned 7 years old. Most every job since then had something to do with plants. A truly passionate vocation and avocation.

Over the years I have given numerous presentations to varied horticulture and non-horticulture groups around the country regarding many aspects of horticulture. I have especially enjoyed the training and continuing education programs I have presented to Master Gardeners.

WORK EXPERIENCE:

Currently I am the owner of The Bogs Of Doom[®] and Woodland Gardens near Port Orchard, WA. At The Bogs Of Doom[®] I specialize in carnivorous plants (emphasis on hardy types) with additional interest in associated bog & aquatic plants. Woodland Gardens focuses on select species & hybrids of *Cyclamen*, *Colchicum*, select hardy terrestrial orchids and a smattering of rhododendrons and other odd plants that still attract my attention.

I have sold plants at large regional flower & garden shows but now focus more on local farmers markets and horticultural organization sales around the Puget Sound area such as the Puyallup & Lakewood Farmers Markets, Rhododendron Species Botanical Garden, Pierce County Master Gardeners, the Lake Wilderness Arboretum sales as well as participating at Sorticulture Garden Arts Festival in Everett.

I have worked for garden centers, retail & large wholesale nurseries in western NY, central OH, eastern PA and the greater Seattle, WA & Portland, OR regions. I gained understanding of the world of new products development, plant patents, trademarks and licensing while working at Hines Nurseries in OR and The Conard-Pyle Co. (Star Roses® – Star Plants®) in PA.

My botanical garden experiences include time at The Berry Botanic Gardens in Portland, OR as Executive & Horticulture Director, and The Rhododendron Species Botanical Garden (RSBG) in Federal Way, WA as Executive Director.

My teaching career spanned 8 years of full time and 2 years of part time teaching of over 18 subjects in horticulture at Olympic and South Seattle community colleges in the Seattle WA region. Topics listed separately.

While in high school and college I worked at a USDA Forest Service and Nursery Crops Research Laboratory in OH as a technician on air pollution studies on deciduous trees and pathogen resistance screening in elms. My most exciting work there was being a lab and field technician conducting work on photosynthesis & respiration screening, propagation studies and evaluation of growth rates and autumn coloration of *Acer rubrum* provenances from the full native range of the species. I received a hands on education that helped me to see the “bigger picture” when it comes to understanding what constitutes a single species of plant.

EDUCATION:

Bachelor degree in Horticultural Science from The Ohio State University with major emphasis on plant breeding & genetics, micro propagation and minor emphasis on plant pathology and entomology.

Post-graduate work at Rutgers in ornamental plant breeding and plant pathology.

SIGNIFICANT HORTICULTURAL FOREIGN TRAVEL:

Actively participated in a sanctioned plant/seed collecting expedition to Central and Eastern Tibet with Longwood Gardens, Kennett Square, PA and the Beijing Botanical Garden for the month of October 2002. Photographed plants, collected seed and cleaned material.

While at the RSBG I accompanied Kenneth Cox [co-author with Peter Cox of *The Encyclopedia of Rhododendron Hybrids*, 1988] to the region around Namche

Barwa in Eastern Tibet during May/June 1995. Observed & photographed over 50 taxa of Rhododendrons and many other genera in the wild.

Diana Wisen

“The Sinister Garden- Deadly Charms in Your Own Landscape”

Learn about common poisonous plants that you might have in your garden. There are more than you think! Come and have your awareness raised of which plants hold fatal “potions’ brewed by nature. Our dangerous flora! This talk does not cover plants dangerous to pets, livestock, nor anything about mushrooms.

Bio for Diana Wisen

Diana was born and raised in Seattle. She taught elementary school for few years in Tacoma. She became a WSU Master Gardener in Pierce County in 1991.

She has been a Skagit County Master Gardener since 1995 where she is a trainer, outreach coordinator, Speakers Bureau chairman and Advisory board member.

She was the State Master Gardener of the Year for 2016. She has a cottage style garden in Mount Vernon and manages the family farm on Shaw Island.

Kevin Zobrist

How are Drought, Insects, and Disease Affecting Our Trees

Dead and dying trees have proliferated throughout western Washington. Trees were particularly hard-hit in 2018, especially western red cedars, causing concern for many property owners. The talk covers the basics of forest health in western Washington. Learn about current and spreading issues affecting the area, risk factors, and how to know how well a forest is functioning. Know what’s normal and what’s not, when to be concerned, and what to do if you suspect a problem.

Bio for Kevin Zobrist



Kevin is an associate professor with Washington State University. He coordinates the Extension Forestry program in the Puget Sound area, working with people who own forested property. Kevin has two forestry degrees from the University of Washington. His research interests include forestry education and outreach methodology, using technology in forestry education, forest ecology, and native trees. He is based in Everett and is the author of the book *Native Trees of Western Washington*.

Taylor Fairbrother

Mycorrhizae – Magnificent Mycellium - A deeper look into the symbiotic relationship between Plants and Fungi

Fungi and plants have been allies for millions of years! Learn about the fascinating relationship between these organisms, and how to harness this ancient symbiosis to enrich green landscapes at any scale. We will discuss the use of mycorrhizal fungi, gardening with edible mushrooms, and how fungal sugars may benefit bees.

Bio for Taylor Fairbrother

Taylor Fairbrother specializes in mycorrhizae and beneficial fungi for the offices of Fungi Perfecti. Her educational focus in college was Environmental Sciences. Taylor's love of the natural world and passion for fungi has led her down the path of mycology. Taylor lives on Harstine Island and spends her free-time hiking, photographing fungi in the old growth forests, gardening, and kayaking.

Lisa Taylor

Make Your Bed, Then Grow In It!

From no-till to double digging explore different techniques for preparing your garden beds while improving the health of your soil. Join garden educator Lisa Taylor, author of “Your Farm in the City: An Urban-dweller’s Guide to Growing Food and Raising Animals” and the “Maritime Northwest Garden Guide” as she demystifies these different cultivation methods. Discover different approaches to arranging beds and rows. Learn about how plant spacing can increase yields. Examine biointensive gardening, deep cultivation and intensive planting.



Bio for Lisa Taylor

Lisa Taylor is a freelance garden educator and author of the Maritime Northwest Garden Guide, 2nd ed. and Your Farm in the City: An Urban Dweller’s Guide to Growing Food and Raising Animals. She is passionate about teaching everyone where their food comes from and how to grow it. Her garden programs provide hands-on experiences that introduce students of all ages to edible plants, worms, healthy eating, seed saving and other wonders of an organic garden. For Lisa, eating is the main reason for growing plants.

Books by Lisa Taylor

Maritime Northwest Garden Guide, 2nd ed. This long-awaited revision of the Northwest classic is a month-to-month planting guide that tells you **when to plant** your veggies, flowers, herbs and fruit. The new edition is twice the size with monthly garden almanacs, new charts and updated variety lists. This is a must have for kitchen gardeners. Price: \$21.00 (includes tax)

Your Farm in the City: An Urban Dweller’s Guide to Growing Food and Raising Animals This is the most approachable and comprehensive guide to growing food in your yard that you will find. Written for folks who are just starting out with

plenty of tips for experienced gardeners, this best-selling guide tells **how to design your garden and how to grow** a wide variety of veggies, flowers, herbs, fruit and livestock. It also tells how to eat and preserve your backyard bounty. How to grow food, in one handy volume. Price: \$21.00 (includes tax)

Cyndi Stuart

Herb Gardening

We tend to think of these plants having tender leaves and stems harvested for culinary (Oregano), medicinal (Echinacea), or fragrant (Lavender) uses. We can categorize them further by describing them as woody herbs, i.e., rosemary and lavenders, or as herbaceous herbs such as parsley, basil and cilantro. We'll discuss 'what herbs like' including location, soil, containers, and fertilizers; 'uses of herbs' including culinary, medicinal, and fragrant/cosmetic; recommendations for how to buy herbs; preserving and drying; and 'odds and ends.'



Bio for Cyndi Stuart

Cyndi is a former perennial plant buyer, field biologist and now a full-time Earth-Friendly Farmer, garden speaker, educator and author whose experience provides a deep well from which to pull tips, techniques and advice.

11:00am – Second Morning Sessions – Six to choose from

Scott Vergara

CONTAINERIZED AQUATIC GARDENS

The very idea of constructing a permanent in-ground water feature with moving water, plants and perhaps fish in your landscape can be so daunting that for most it remains a wishful idea. If we scale back the size it becomes an easy project that will reward you in ways you perhaps had not anticipated.

We'll go over the basics of location, appropriate containers, water quality, plant sourcing, selection & planting as well as seasonal care for a mini water or bog garden in a container for your deck or patio. They can also be situated out in the landscape if desired. Pros & Cons of "natural" vs "electric enhancements" discussed. For the more adventurous we'll talk about the exotic lotus and tropical water lilies. If you use your patio/deck a lot on summer nights then the night blooming tropical water lilies, some of which are fragrant can transform your outdoor space into an exotic hideaway.



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Diana Wisen

Fragrant Shrubs for Pacific Northwest Gardens

Scent adds an extra dimension to your garden by giving pleasure, bringing forth memories and associations. Do you have a favorite fragrant shrub? Perhaps you would like some more?

This presentation will focus on shrubs that do well in PNW landscapes and are readily available. A plant list by season will be included.

Bio for Diana Wisen

Diana was born and raised in Seattle. She taught elementary school for few years in Tacoma. She became a WSU Master Gardener in Pierce County in 1991.

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Sean Tait

Humans, Trees & Other Sentient Beings

Humans, Trees, and Other Sentient Beings is about the similarities between humans and trees, including trees' abilities to sense, communicate, learn, make decisions, and even move. This summary of recent scientific discoveries will explode the prevailing myth that trees are inanimate wood and reveal a hidden world that is all around us.

Bio for Sean Tait



Sean Tait is a certified arborist and qualified tree risk assessor with 20 years of experience in the tree health care industry. In his role as a public speaker and teacher about trees, he draws on a wide range of experiences not only as an arborist and a professional tree climber, but also as a Forest Service trail crew worker, a water system operator, a ski instructor, and a husband and father. Sean graduated from Selah High School in 1995 and earned a BA in Geography from Western Washington University in 2004, yet still doesn't know the capital of every state.

Kathleen DeMaria

Botanical Latin: An Exploration of an International Language

Botanical Latin is not the tongue of ancient Rome, it is a map; An elaborate system of naming and categorizing created by Carl Linnaeus in the 18th century. Created at a time of global exploration by European countries, Linnaeus' system of 'Binomial nomenclature' organized natural objects by shared traits that allowed them to be categorized while inadvertently confusing gardeners for centuries.

Using words from Greek, Latin and Arabic as well as names of friends, family and regions that may or may not still exist, this language is not an easy read. Learn a few tricks to unpack this language and understand how to read the map.

Bio for Kathleen DeMaria

Kathleen DeMaria has been engrossed in Pacific Northwest horticulture for the past 20 years. She holds a Masters of Environmental Horticulture from the University of Washington, is a certified arborist and tree risk assessor and currently works as a gardener and arborist on the Seattle campus. In 2016, while working as the New Zealand Gardener in the Washington Park Arboretum, Kathleen travel to New Zealand as a representative of the UW Botanic Garden. She collected seed to ship back, secured an internship in the Auckland

Botanic Garden and gave talks about the recently planted New Zealand Forest to anyone that would listen. With an undergraduate curriculum focused on English Literature and Philosophy and graduate work focused on horticulture and community education, Kathleen is fascinated by the language of horticulture and is on a mission to help others unpack the information hidden within.

Lisa Taylor

Tasty Heirlooms: Amazing Vegetables You Simply Must Grow!

Grow vegetable varieties that taste great, grow well in our climate and provide unexpected beauty and interest in your garden. Join garden educator Lisa Taylor, author of “Your Farm in the City: An Urban-dweller’s Guide to Growing Food and Raising Animals” and the “Maritime Northwest Garden Guide” in a lively examination of great tasting heirloom varieties for Pacific Northwest urban farms and gardens. Discover time-tested, delicious varieties of tomatoes, peppers, greens, lettuce, cucumber, summer squash, beans and peas, onions, leeks, and obscure edible that produce enormous amounts of food even in containers! Learn techniques to make the most of your small space and recipes that your family will love.



Bio for Lisa Taylor

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Organic Seed Alliance – Saving Seeds

OSA is a leading voice in organic seed advocacy. They promote policies and actions that protect farmer and plant breeder rights, and support the development of organic seed systems. OSA educates advocates on the benefits of organic seed and how we can advance important seed policy.

Seed saving is one of the most powerful skills a gardener can practice. OSA's education results in more seed growers, more organic seed, and new varieties developed through on-farm plant breeding. Learn the best methods for identifying, collecting, handling and storing your seeds.

12:30pm – Keynote Speaker in the Cafeteria – Merrill Peterson, Author of Pacific Northwest Insects Field Guide

Insects in Decline – Why That’s a Bad Thing and What Gardeners Can Do About It

Recent studies have shown that many insect species are in decline, to the point that some have dubbed the phenomenon the “Insect Armageddon”. Dr. Peterson will discuss vivid examples of this decline, describe the manifold ways by which it threatens our lives and the integrity of our region’s ecosystems, and make the case that gardeners can both play an important role in monitoring how our insects are faring and engage in gardening practices that foster greater insect diversity and bring a new dimension of wonder to our gardens.

Bio – Merrill A. Peterson



Dr. Merrill A. Peterson is Professor and Chair of Biology and Insect Collection Curator at Western Washington University and the author of *Pacific Northwest Insects* (Seattle Audubon, 2018, 528 pp.). He is also an adjunct professor in the

Entomology Department at Washington State University. A Seattle native, Peterson has been fascinated with the insects of the Pacific Northwest since his childhood. He received his B.S. from the University of Washington and his Ph.D. from Cornell University. His research focuses on insect ecology, evolution, and diversity, and has resulted in numerous publications. Peterson has long been interested in macrophotography and his natural history photographs have been featured in the New York Times, the International Herald Tribune and many other places. *Pacific Northwest Insects* is the culmination of a decade-long labor of love in which he invested more than 10,000 hours.

2:15pm – Afternoon Session at the Farm – Three hands-on, two walkabouts, and one tour to choose from

Scott Vergara – Walk around – Landscape Critique

A Walkabout in Search of the Right Plant in the Right Space!

A lofty goal we set for ourselves in pursuit of gardening. We may inherit or buy into a property that has become neglected or overgrown. In some cases a landscape was anything but thought out with consideration and was simply a collection of plants and objects that the owner was attracted to at one time and placed about more as memory evokers rather than establishing an over all theme. Nothing wrong with that but never be surprised how subsequent owners will deal with that random collection of hardy agaves or that cherished and most carefully tended boxwood topiary of a fox hunt in the English countryside. Remember that the little sequoia seedling brought back from a summers travel will grow with time into a massive tree.

During our walkabout of an established landscape we'll examine and discuss examples of the right plant being in the right place as well as examples of inappropriate plants & wrong places. Scott will give you ideas of ways to integrate a variety of plants throughout your landscape and what works well, where and most importantly why. Emphasis on reducing "maintenance"/management time and costs

For close up viewing you may wish to bring your loupe or magnifying glass.

Caution: Please be advised that this is an outdoor activity so appropriate footwear, sunhats, sunscreen should be worn. Those new to gardening should be aware that many perfumes and such may attract unwanted attention of certain Hymenoptera.



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Propagation for Four Seasons – hands on

In this hands on workshop, Pierce County Master Gardener Propagation group members will show you how to start new plants from your own softwood, semi-hardwood and hardwood cuttings. Participants will use cuttings from various plants, prepare them, stick them in rooting media, and will then get to take their propagated cuttings home. Principles taught in this workshop can be used on nearly every plant that can be propagated by cuttings. Cuttings will be provided by the Master Gardeners conducting the workshop.

Pierce County Master Gardener Propagation Group – Pierce County Master Gardeners Carolyn Doherty and other members of the Propagation Group

Carolyn is a founding member of the PCMG 'Propagation Studies Group.' The Prop Group was started in the Fall of 1991 by a group of Pierce County Master Gardeners and has been in existence now for 16 years. The Group has grown in knowledge and size over the years. They meet once a week on Wednesday morning from 9:30am to 12:30pm, from September to mid May and welcome all Master Gardeners to participate. In the summer months they work on the Four Seasons Garden at the Puyallup Demonstration Garden, where they showcase

their propagated plants. The Prop Group provides an enormous amount of unique and unusual plants for PCMG annual Plant Sale held the last weekend of April.

Jim Kropf

Identifying Weeds – A Walk About the Farm

Weeds are a major issue in home gardens, lawns, flower beds and other areas. Most people lack good identification skills that would be beneficial in optimizing control strategies. This practical workshop will utilize a simple weed identification key to narrow common weeds down to the correct family. This will make it much easier for you to identify the weed by its correct common name.



Bio for Jim Knopf

Jim Kropf is currently the Natural Resources Program Director for WSU Extension. He is also the Director of County Administration for the 39 county extension offices statewide. He also serves as interim lead for the Pierce County Master Gardener Program. He has been a faculty member for WSU Extension for 35 years. He was the Area Agronomist in Chelan and Douglas Counties for 14 years followed by four years as the Area Horticulturalist for Pierce and King Counties. In addition to providing technical production skills for farmers, he focused on direct marketing, training new farmers, and on-farm research related to horticultural crops. He has been in an administrative role since 1999. Jim was raised on a small diversified farm in western Washington. He has a B.S. and M.S. in Agronomy from Washington State University.

Taylor Fairbrother

Fungi Workshop – Inoculation – Growing your own mushrooms – hands on

In this hands on workshop you will see how to set up a mushroom patch, techniques, what to do for success. Then you will make your own mini 'Strophariiums' in cups that you take home and nourish.

Bio for Taylor Fairbrother

Taylor Fairbrother specializes in mycorrhizae and beneficial fungi for the offices of Fungi Perfecti. Her educational focus in college was Environmental Sciences. Taylor's love of the natural world and passion for fungi has led her down the path of mycology. Taylor lives on Harstine Island and spends her free-time hiking, photographing fungi in the old growth forests, gardening, and kayaking.

Lisa Taylor

Garden Naturalist's Farm Walkabout and Demonstration

What's that bug? Is this a weed? What is double digging? Join Lisa Taylor, garden educator and author of the "Maritime Northwest Garden Guide" and "Your Farm in the City; An Urban Dweller's Guide to Growing Food and Raising Animals" in a unique garden walkabout. We will wander the demonstration garden to explore plants and creatures. We will experience, hands-on double digging a garden bed.



Bio for Lisa Taylor

Lisa Taylor is a freelance garden educator and author of the Maritime Northwest Garden Guide, 2nd ed. and Your Farm in the City: An Urban Dweller's Guide to Growing Food and Raising Animals. She is passionate about teaching everyone where their food comes from and how to grow it. Her garden programs provide

hands-on experiences that introduce students of all ages to edible plants, worms, healthy eating, seed saving and other wonders of an organic garden. For Lisa, eating is the main reason for growing plants.

Organic Seeds Alliance – Seed Savings – hands on

OSA is a leading voice in organic seed advocacy. They promote policies and actions that protect farmer and plant breeder rights, and support the development of organic seed systems. OSA educates advocates on the benefits of organic seed and how we can advance important seed policy.

Seed saving is one of the most powerful skills a gardener can practice. OSA's education results in more seed growers, more organic seed, and new varieties developed through on-farm plant breeding.

During this hands on session, you will learn how to collect, handle, and store collected seeds to best ensure their potency and survival. OSA will be providing seeds for participants to take home as well.