

NORTHWEST ROSARIAN

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District Doings

Gretchen Humphrey, PNW District Director

You can email me at: ghumphrey25@yahoo.com
or call me at 503-539-6853



Greetings, Rosarian Friends,

I hope this summer finds you and your roses well. This extremely hot summer has been challenging for both people and plants. I found that if I chose to do one thing, it was watering, so less deadheading took place here. But the dryness helped eradicate problems with blackspot, and I've not had other diseases, nor the dreaded spider mites. Blooms are small, but overall the foliage is plentiful and green. Hopefully, we'll have some cooler days for a nice fall show here in Portland.

I attended the ARS National Convention and show in Columbus, Ohio in June. This was a combined National Spring and National Mini rose show. Having never visited that part of the country, it was an interesting trip. During the Board meeting, we learned that our ARS Executive Director, Jeff Ware, has moved to a position with the Nature Conservancy. Everyone who knows Jeff respects his incredible work and he will be greatly missed. Taking on the role of Executive Director is Laura Seabaugh, former ARS Membership Director. Laura is excited for the challenge of continuing Jeff Ware's work to help the ARS continue to grow and thrive. Laura Pfender will return to her former role of Membership Director, a job she knows well.

The National Spring Rose Show and the National Mini Show were well done, and of course so many beautiful roses appeared. I was completely out of my league when I brought some hybrid teas to enter, as well as a few dry-wrapped minis. But it was a delight to prep next to Bob and Sandy Lundberg of South Carolina, and schmooze with other top exhibitors, Satish and Vijaya Prabhu, and others.

I don't travel far enough, often enough to be good at it, so I think I'll stick to showing roses that can travel in the car.

I joined in a bus tour of the Whetstone Park of Roses. Did you know the ARS Headquarters used to be in Columbus, Ohio!

This spring brought many beautiful and successful rose shows to our PNW District, thanks to the many hardworking rose growers. Michael and I enjoyed our weekend in Richland, Washington at the District Show. The Tri-Cities folks did a

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wonderful job hosting this show. We also enjoyed a tour of beautiful wineries. Many thanks for your hard work putting on this show. The venue was spectacular, a community center in a lovely park by the Columbia River.

Earlier this summer the PNW District hosted a lovely workshop on Climbing Roses, attended by about 30 folks. The weather was uncommonly hot, but the hardy participants learned a lot from Rich Baer, Bruce Lind, and Don Merrick of Heirloom Roses.

The next **BIG** event is the **Fall Conference Oct. 30, 31, Nov. 1st**. This is not to be missed! On Saturday our keynote speaker, Danielle Hahn of Rose Story Farms will share how she and her husband turned an avocado farm into a rosy wonderland, filled with *25,000 roses plants, all grown organically*, for the cut flower market. Spread the word, grab your friends and neighbors, and let's welcome Danielle to the Northwest.

Joining Danielle Hahn will be Dr. Gary Ritchie our resident scientist. Rich Baer will present beautiful photos and offer dozens of propagated roses for auction, Jeff Wyckoff will talk about the new AGRS rose gardens, Carol Newcomb of Northland Rosarium will speak about growing roses with clematis. Carla Stenberg of the PRS will speak about social media and how we can grow our membership. Let's make this a record year of attendance! See the information in this issue. If you have any questions, please ask.

See you at the Fall Shows and definitely at the Heathman Lodge in Vancouver for the Fall Conference.



Columbus Park of Roses, within Whetstone Park, near Columbus, Ohio.

PNW Horticulture Judging News



Bruce Lind & Jim Linman, PNW District

PNW District Horticulture Judges have had their usual busy year judging in the spectacular shows up, down and across the district. It all started at the 2015 PNW District Rose Show hosted by the Tri-City Rose Society on May 30, 2015. The District Show was held in conjunction with the annual Tri-City Rose Society Show at the Richland, WA Community Center. As usual, the Tri-City Rose Society hosted more than just the PNW District Rose Show. They arranged for a horticulture judging audit session, a bus tour of several local wineries, and a selection of rose gardens to visit. It was a great weekend to be in Richland! Super roses from around the District were a terrific complement to those beauties grown in Eastern Washington!

As you know, last August the PNW District conducted a very successful horticulture judging school in Olympia, WA. The students (prospective apprentice judges!) did a great job on their exams, and most all of them have been very busy working as apprentice judges this summer. It is great to see this group keep up the momentum they started last year with their preparation for and success at the judging school. It has been great to see the continued growth as our apprentices gain a variety of practical experiences. Some of these apprentices are getting close to completing the five shows required of apprentices. This means we will soon be adding to the ranks of accredited judges in the PNW District. We will let you know as individuals reach this milestone so you can congratulate them on their success. They are a great group!



Winning Arrangement

*The National Spring Rose Show and the National Mini Show,
Columbus, Ohio, June 2015*

We want to thank those accredited judges who are serving as mentors for our apprentices. It can be a great opportunity for all involved. Giving immediate feedback and then making sure the evaluation forms get copied and sent to ARS headquarters is a key to making the apprentice experience a true learning of the art of judging. We appreciate your cooperation in this effort.

We shall be applying for permission to hold a horticulture judging audit in conjunction with the PNW District Fall Conference. If you have any special topics you would like to see discussed, please let one of us know ASAP. The fall horticulture judging audit will be held at 8:00am on Sunday, November 1, 2015 on the final day of the PNW District Fall Conference in Vancouver, WA. This final audit of the year will feature a discussion of recent changes to *Guidelines*, and current concerns about rose shows and judging based on our experiences in the 2015 rose show season. We may want to discuss the pluses and minuses of grouping miniature and miniflora roses in the same set of classes as the number of miniflora entries continues to increase. It would be good to know what impact this practice has had on our judging of these small(er) roses. Other issues brought before the group will, as usual, form an important part of the audit. We will continue to work together to try to refine our judging skills. Those in need of an audit this year have recently received a written or e-mail reminder.

Even though we do have an active group of working apprentice judges we still need to continue to encourage more of our members to get the exhibiting and clerking experience required for them to be ready for the next judging school. The total number of active judges in the PNW District is still decreasing, so we will need another judging school in a year or two.

If we are correct in our fear that the number of judges available is likely to decrease, then we need to make judging our shows as straightforward and enjoyable as possible.

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- a) Schedules need to be simple and clear.
- b) Judges should be encouraged to go quickly about their business in both alphabetic and color-class shows. It seems ever so simple to award the "highest" ribbons considered appropriate and then move on.
- c) When you, as a judge, “step out” of judging a particular class be sure to “step back” as well – way back so that the other judges on your team do not read any signs from you.
- d) Court judging, with seven or more participants, should not require endless soul-searching. If a majority is required, one vote isn't critical. If we follow the plan, devised by Jim Linman and Emery Castle and refined by Jim, we can reach great decisions with very few rounds of balloting.

Last of all, we want to thank all those individuals who helped to make the judging program a success in 2015. We have yet to ask a person for help and get a refusal. It is this spirit of cooperation that makes it fun to participate in this facet of our rose hobby. I am sure you all will continue to be as generous when we make a request in the future.

Our final words (really this time!) come in the form of a request. Please send us your 2015 Horticulture Judging Report Forms before the end of the year. We hope to see you at the audit in Vancouver on November 1st.

Events/Important Dates	Place	Dates
2015 Arrangement School	Vancouver, WA	August. 15-16, 2015
ARS Fall Convention & Rose Show	Syracuse, NY	Sept. 10-13, 2015
Tualatin Valley Rose Society Rose Show		September 12-13, 2015
PNWD Photo Contest Deadline		Midnight, September 13, 2015
Portland Rose Society Fall Show	Lloyd Center, Portland, OR	Saturday, September 19, 2015
Roses In Review Report Due		Saturday, September 26, 2015
PNW District Fall Conference	Vancouver, WA	October 30-November 1, 2015
Horticulture Judging Report Deadline		Thursday, December 31, 2015
Arrangement Judges Report Deadline		Friday, January 15, 2016
Consulting Rosarian Report Deadline		Monday, February 01, 2016



'Chicago Peace'

Photo by Kathleen Kirkpatrick
ARS Magazine Photo Contest, 2015



'Pinnacle'

Photo by Rich Baer
ARS Magazine Photo Contest, 2015

District CR Report

John Moe and Elena Williams, PNW District Consulting Rosarian Coordinators



Wow! What a hot summer we have had thus far! So, it goes without saying that the usual spider mites and insects have appeared, and the diseases that love this stuff as well, so the spray program has been cranked up for the next round of blooms we anticipate during early fall. On the members section of the ARS website <http://www.ars.org/>, at the bottom of the CR portion you will see insecticide and fungicide tables that can be downloaded and printed. The tables list the typical application for the chemical along with the chemical's toxicity, from the least toxic to the most toxic, labeled caution, warning and danger. Read the label of whatever you use, and follow the directions accordingly. For those non-ARS members, this might be a good time to consider becoming one, or you can ask one of the CRs to get you a copy. Also remember to water deep with a longer interval - a short time will have the roots growing near the surface, which can result in winter damage and kill.

Our annual district conference and CR school/audit will be held October 30th thru November 1st at the Heathman lodge in Vancouver. What a wonderful weekend of learning and camaraderie! Make your plans NOW to be there! Due for an audit this year? We have been working for sometime with the National CR chair and the folks at ARS to have a listing of all CRs with easily referenced data such as membership status, the next year an audit is due, etc. available on the ARS website. This information can now be found on the ARS website by going to the Members (password protected) tab - Resources - Consulting Rosarians. The list is arranged by district and details the following information: membership join and expiration dates, CR year appointed, last audit year and next audit year, Master Rosarian year appointed (if applicable). Please note that there is no contact information listed for privacy reasons. We hope to see you there. No computer? - Let us know and we will confirm your next audit due date. There will be a CR school, so if you plan to attend, we need to know and receive your application and letters of recommendation no later than the 15th of September so your membership can be verified with the ARS. The forms can be downloaded from the members only section of the ARS website.

I am sure most of you will be through "consulting" by the District conference, so how about downloading the annual report form, filling it out and bringing it with you to the conference. It is so easy to forget to do it in January! Saves a stamp as well!

Also remember to do your part for the **Roses in Review**. Take a look at the list in the last ARS magazine and see what you grow. Take a few notes if you desire so when it comes time to submit your report, which is EXPECTED of all CRs, you have the data you need. If you do not grow any of them, please submit your report anyway as it does count as doing it! There is a block on the form that you can check if you do not grow any of the reviewed varieties. The report is due September 26th, and can be done either by snail mail or on line.

The Consulting Rosarian Manual outlines two options for recertification. One is attending a CR School every four years, or accruing four credits (one must be chemical safety) by attending pre-approved seminars/meetings (four points in four years) at the rate of one credit for a one-hour class. The national CR chair has encouraged more use of the second option. Take a look at the list of some ideas for topics on page 2-3 of the CR manual, or something similar. For example, say you want to do the PowerPoint program on propagating hardwood cuttings that is on the PNW District website. If so, send a seminar request to either of us listing the date and presenter, along with his/her credentials. We will review it and forward it to the national chair for approval. If you do this, we do need to receive the request three weeks in advance of your meeting to get the approval process moving. The form is available on the district website. Then send us a list of the CRs that attended the meeting so we can keep track of these seminar credits. It is an easy way to work on your recertification.



Enjoy your late summer roses, stop fertilizing with any containing nitrogen by Labor Day and remember to water, water, water!

The Top Gun Trophy of Minifloras
Won by Bob and Sandy Lundberg of South Carolina
The National Spring Rose Show and the National Mini Show,
Columbus, Ohio, June 2015

2015 PNW District Rose Show Hosted by the Tri-City Rose Society

by JoAnn Brehm, Tri-City Rose Society

I'm not sure if we could say we had **Rivers of Roses** but thanks to our guests, in addition to our local members, we did have an elegant District Rose Show. Fifty-one people registered, and the learning started Friday night with a Horticulture Judging Audit and a Consulting Rosarian Chemical Safety review by Bruce Lind, Jim Linman, and John Moe, with a total of 31 attendees.

We had a working dinner, and I believe some started exercising their taste buds early in preparation for the next day's wine tour.

Rose entries started early Saturday with judging commencing around 10:00 AM. With almost more judges, including apprentices, and clerks than entries, ribbons and top awards were identified rather fast, and I do believe our arrangement judging actually was completed before the judging of the horticulture sections. That's got to be a first!

The second attraction was the wine tour, which this time consisted of a very comfortable drive around Red Mountain and South Richland in a "Party Limo" to three wineries: Kiona, Goose Ridge, and Hedges.

Thank you so much for coming to our sunshine and bringing your roses.



Wine tour participants at
Goose Ridge Tasting Room

Winners of the PNW District Challenge Classes

PNW 1 The J. Horace McFarland District Trophy

Donated by Bruce & Barbara Lind

Winner: Gretchen & Michael Humphrey
Rose(s): Grande Amore, Gemini, Firefighter, Olympiad, Savoy Hotel

PNW 2 The Al Schamel Memorial Trophy

Donated by Portland Rose Society

Winner: Jim Campbell
Rose(s): Marilyn Monroe

PNW 3 Judges' Trophy

Donated by Lynn Schafer

Winner: Gretchen & Michael Humphrey
Rose(s): Grande Amore, Veterans' Honor, Solitaire

PNW 4 The Dr. Paul and Carrie Miller Memorial Trophy

Donated by Miller Trust

Winner: Jim Linman
Rose(s): Opening Night

PNW 5 The Fred Edmunds Jr. Memorial Trophy

Donated by Gretchen Humphrey, PNW District Director
No Entries

PNW 6 The Puyallup Rose Society Trophy

Donated by Puyallup Rose Society
No Entries

PNW 7 The Seattle Rose Society Floribunda Trophy

Donated by Seattle Rose Society

Winner: Jim Campbell
Rose(s): Sexy Rxy, Europeana, Singin' In the Rain

PNW 8 The Jeff Wyckoff Old Garden Rose Trophy

Donated by Judie Phillips

No Entries

PNW 9 The Marian Seeley Memorial Trophy

Donated by Olympia Rose Society

No Entries

PNW 10 The Helene Schoen Memorial Trophy

Donated by Fort Vancouver Rose Society

Winner: Jim Linman
Rose(s): Fame

PNW 11 Ralph Moore District Trophy

Donated by Missoula Rose Society

Winner: Gretchen & Michael Humphrey
Rose(s): Glowing Amber, Hot Tamale, Giggles, Baby Boomer, Irresistible, Ruby Baby

PNW 12 The Mitchie Moe Memorial Trophy

Donated by Spokane Rose Society

No Entries

PNW 13 The Vic Snitzler Memorial Trophy

Donated by Margaret Snitzler

Winner: Gretchen & Michael Humphrey
Rose(s): Magic Show, Giggles, Buttercream

PNW 14 The Betty & Walt Gutoski Arrangement Trophy

Donated by Bruce & Barbara Lind

No Entries



Rose Arrangement News

JoAnn Brehm and Jim Sadler, PNW District Arrangement Co-Chairs

By the time you read this, we will be in the middle or have completed our first Rose Arrangement Judging School in the PNWD since 2004. Twelve people have scheduled to take the test. An update on the new apprentices will be made at the Fall Conference. A heartfelt thanks to our instructors: Char Mutschler, Jo Martin, Norma Boswell, and Kathy Wyckoff, for their hard work and enthusiasm. A thank you also goes to Judy Heath and Julie Goggin of the Fort Vancouver Rose Society for helping to set this up over the past year.

As our rose shows are winding down for the year and we are preparing for the Fall District Conference in Vancouver, we have a couple of treats for the meeting. As you may know, Lou Little has recently move to be closer to family. We have lost a great horticulture and arrangement judge and supporter of the PNW District, but Lou has endowed us with many containers (in her words— “Hadn't realized there were so many, and I really did keep a lot of vases for myself.”). These will be auctioned off at the Fall Conference. I encourage you to also bring containers you no longer use for the Silent Auction. Of course we want to keep them all, but, like Lou ,we probably have so many. I think parting with containers is like parting with clothes that don't quite fit anymore. (We are always going to lose those extra few pounds.) But, if they haven't been worn for a couple of years, it is time to just “Give it up”! Well, now is the time to do the same with your arrangement containers. GIVE THEM UP for a great cause, and, as you give one up, you have room for another one, right?

Our second treat is the Annual Arrangement Seminar and this year the theme is “**Decorating for the Holidays – Arrangements for your Tables**” with Char Mutschler, Jim Sadler, and myself. Table types seen in rose show schedules will be displayed and reviewed.

Lastly, but very vital to my sanity, Jim Sadler of Missoula, MT (an instructor at last year's fall seminar) has agreed to be my Co-chair for the PNW District Arrangement Judges. Please welcome him. Thanks so much, Jim!



This is a sample of the containers donated by Lou Little for the Fall Conference Silent Auction.



District Photo Contest – 2015

Harlow Young, Chairman



It is time now to look through your photos and get them ready for the PNW District Rose Photo Contest. Many photographers in the District have participated over the years, with the number of participants increasing over the past 3 years. It contest is a fun and successful annual event. The Attendees at the Fall Conference look forward to seeing the winning photos on the silent auction tables, and having the opportunity to bid on their favorite prints. This year will be no exception.

The contest rules and classes follow. Please note that the *roses in the photos do not have to be photographer-grown*, which means that anywhere you see a beautiful rose, it can be photographed and prepared for entry into this year's contest.

We're asking you to categorize yourself as either a "Master" or an "Amateur". Consider yourself a "Master" if your rose photos have won other contests, photo classes at rose shows, or have been selected for magazine illustrations, etc. Consider yourself an "Amateur" photographer if you take photos for your own pleasure and haven't entered other photo contests, or have not won any photo contests previously. And, if you have previously won more than five first place awards in the "Amateur" division of previous PNW District contests, please enter this year's entries in the "Master" division. (This decision of whether to enter your photos in the Amateur or Master division is on your honor; the Chairman is not going to police it.) The first place photos in all of the classes within each division will become eligible for the "Best of Show" award.

Entrants in one division may be asked to help judge photos that are entered in another.

The winning photos and award certificates for each class, as well as the "Best of Show" winners (Master or Amateur), will be announced at the PNW District Fall Conference; and it is a tradition to have a showing of all the entries during the lunch hour on Saturday of the Conference.

E-mail your entries to: **Harlow Young** at threegkids@charter.net by midnight, September 13, 2015.

If you would like to be a judge for this contest, please e-mail Harlow at the same address.

Contest Rules

1. You can enter up to *eight* images per Class.
2. It is ***preferable (and strongly encouraged)*** that your photos be electronically submitted in JPEG image format. They may be cropped to any size. Alternatively, you can mail prints to Harlow Young, 3218 W. 2nd Ave., Kennewick, WA 99336. Prints can be mailed to Harlow Young and will be scanned into an appropriate format and returned ASAP, if requested.
3. The photos in Classes 1-8 may be enhanced by the use of any graphic program such as *Photoshop, Elements* or *Photo Impact*, but not ***overly*** enhanced. The exception may be for entries in Class 9 which permits editing to create a desired effect.
4. The photos for this contest must be taken by a non-professional* photographer who is a member of the ARS residing in the PNW District or who is a member of a local Rose Society within the Pacific Northwest District of the American Rose Society. (* "Non-professional" photographer is someone who does not depend on photography as a major source of income)
5. Photos that have won awards in previous contests are not eligible to be entered in this contest.
6. Rose entries in Classes 1 through 8 must be identified by their ARS exhibition names. Grooming of the rose(s) at the time they are photographed is encouraged and artificial backgrounds may be used. The roses do not need to be photographed in the garden or on the bush. Feel free to cut them and arrange them for the photo.
7. When submitted, name each image to reflect its contest Class and ARS exhibition name, if necessary. For example: If you are entering a photo of 'Gemini' in the Amateur division in Class 1, you must add an 'A' to the entry code, as: "AC#1, Gemini" (Amateur Class #1...). Photos entered in the Masters division must add an 'M' to their entry code, as "MC#1, Gemini" (Master Class #1...).
8. Email your entries to Harlow Young at: threegkids@charter.net. It is important that you include your name, address,

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phone number (either land phone or cell phone, as you prefer), email, and local Rose Society (if applicable) in the message. Also include any additional information that might be appropriate for the entry. If you're mailing prints, mail them to: Harlow Young, 3218 W. 2nd Avenue, Kennewick, WA 99336.

9. **Entries must be received by Midnight, September 13, 2015.** Entries received after that date will not be included in the judging.
10. The Chair of the committee reserves the right to disqualify any entry that does not conform to the stated rules prior to being judged.

Classes

1. **One bloom** - any variety, exhibition stage, no side buds. Roses designated as "single" in its petal count whose exhibition form is best in the open form should be entered in Class 5.
2. **One spray, HT or GR** - two or more blooms.
3. **One spray, FL or POL** - two or more blooms.
4. **One spray, Miniature or Miniflora** - two or more blooms.
5. **One open bloom** - any variety, stamens must show.
6. **One bloom or spray** - of a **Shrub (other than HT, GR, Min, MinFl or POL.)**
7. **One bloom or spray** - of an **OGR or Climber**.
8. **Multiple Blooms (a collection)** - a minimum of three blooms, one bloom per stem, one or more varieties, at typical exhibition stage for the variety, arranged in any way you wish.
9. **Abstract or Impressionism** - A non-objective design, form, or content of a rose, rose plant, or any portion thereof which evokes a sense of originality or a different way of imagining or viewing the subject. *For this class only, you may creatively enhance your photo by coloring, cropping, etc.*
10. **Everything Else** - Any rose photo that doesn't fit into any of the other classes. It could be an image of roses with people, animals, or other plants, or of a rose society activity or rose garden. It could be an arrangement, or one or more rose bushes that constitute a single unit. You should name the rose(s) in the photo if appropriate, and, if the photo includes a society activity or people, identify the Society, the activity, and the people in the photo (unless it's a crowd scene). Since the winning photo may be published on the District website or other District publication, it's a good idea to have the permission of anyone who could be recognized in the picture.



'Graham Thomas'
Photo by Sue Tiffany
ARS Magazine Photo Contest, 2015



Water Relations of Roses

Part 1 – The path of water movement through the plant

Note: This article appeared first in The Clippings, the monthly newsletter of the Olympia Rose Society

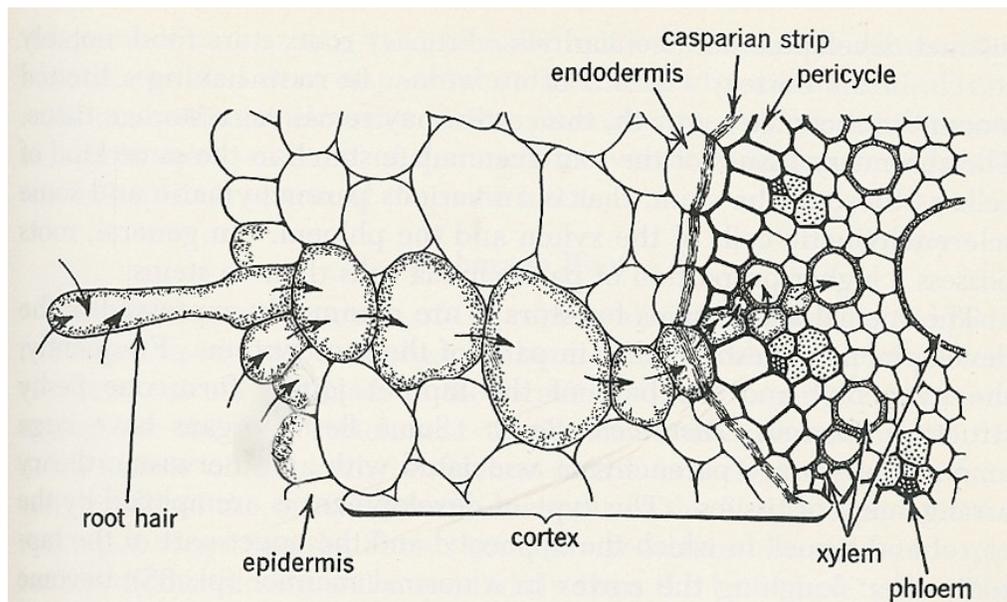
Transpiration is the evaporation of water from plants parts, mainly leaves, through open stomata. You may recall from my last two columns that stomata are pores located on leaf surfaces. When these pores are open, water evaporates from the moist surfaces inside the leaf and passes out through the stomata to the drier atmosphere. Transpiration can also occur from stems, flowers, and other plant parts. The lions' share of water lost from plants, however, comes out of the leaves.

To illustrate transpiration let's do a thought experiment. Say you buy a bareroot rose plant from the nursery. You determine its fresh weight to be 1 pound. You then plant it into a small container of potting soil, which weighs 4 pounds. So the total weight of the plant and the container full of soil is 5 pounds.

Then every day throughout the summer you water the plant with 1 quart of water (weight = 2 pounds). At the end of summer you have added 150 quarts of water to the pot for a total of 300 pounds. You then dig the plant up, wash off the soil and weigh it again – it now weighs 5 pounds. So over the summer the plant increased its weight by only 4 pounds. Question: where did the 300 pounds of water go? Some of it may have drained out of the bottom of the pot, to be sure, but nearly all of it passed through the plant and evaporated from the leaves. That is transpiration.

Confronted with this information, you might ask yourself: why does the plant need so much water just to grow by 4 pounds, or how does the water get up the plant to the leaves? Or, what factors cause the stomata to open and close? Or why do plants transpire in the first place? Or how can you measure the rate of transpiration? Or why should we rose growers care about any of this stuff anyway? All good questions.

First let's talk about the path that water follows as it moves from the soil to the stomata. We'll begin with where the water comes from and how it gets from the soil to the leaves. The drawing below shows a cross section of a "typical" plant root (Source: Katherine Esau, 1964). The little curved arrows delineate the path of water movement. Most water enters the root through tiny structures called "root hairs" that protrude from the root's epidermis out into the soil. Root hairs greatly augment the root's surface area increasing their ability to absorb water. Once inside the root, water flows through the cortex, then across a structure called the Casparian strip and into the xylem of the root. (If you're a little fuzzy about what xylem is and looks like, you might want to review the article in the August 2013 *Northwest Rosarian*).

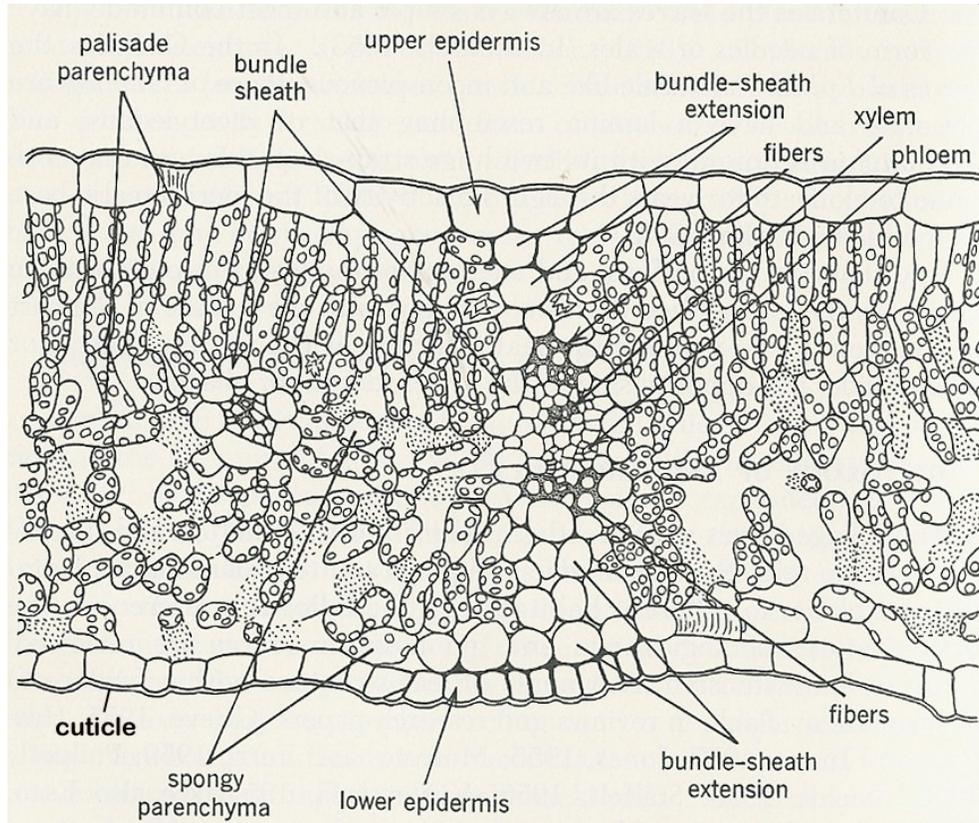


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The xylem forms a continuous system of interconnected pipes that runs from the roots, up through the stem, to the leaves. Every leaf is served by a strand of tissue, called a vascular bundle, which contains a column of xylem.

When examining a rose leaflet*, you notice that each one contains a network of veins originating at the leaflet's main stem. These divide again and again to produce smaller and smaller veins as they work their way out across the leaf in intricate patterns. Every one of these veins contains a strand of xylem - each one supplying water to a tiny section of a leaf, as you can see in the next drawing of a cross section of a pear leaf (Source: K. Esau. 1964).



In this picture, the structures labeled “bundle-sheath extension” are the leaf veins. They contain the vascular bundle sheaths, which contain xylem. Water diffuses out of the xylem, across the sheath and into the leaf's mesophyll cells (labeled here as parenchyma) keeping them supplied with water.

This is essentially the path that water takes from soil to leaf, from which it will ultimately pass through the stomata into the atmosphere - transpiration, in other words.

Not all transpiration occurs in this manner, however. There is another pathway that short-circuits the stomata. Here, water evaporates from the leaf directly through the epidermis. As you can see in the drawing, the epidermis contains a waxy coating called the cuticle. Its purpose is mainly to prevent water from escaping from the leaf. But sometimes water gets out this way and this is called “cuticular” transpiration. Careful measurements have shown that this type of transpiration rarely accounts for more than 10% of the total water lost from a plant.

In the next installment, we'll discuss the forces acting throughout the plant that cause water to move up from the soil into the leaves against the pull of gravity.

*Roses have compound leaves, each normally containing from 3 to seven *leaflets*.

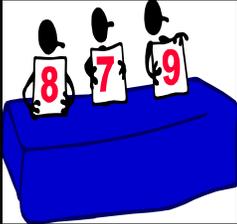
Prizes & Awards



Lynn Schafer, P&A Committee Chair

The Prizes and Awards Committee will meet just before the beginning of the Fall Conference Saturday Session , October 31, 2015 from 8:30 to 9 AM at the Heathman Lodge in Vancouver, WA. If you represent your society on this committee please attend this meeting. Please let me know if you are able to attend or cannot be there.

Email: lynnshafer@gmail.com Phone Number: (509) 286-3655



Roses in Review

Jason Fredette, RIR Chairman

Consulting Rosarians,

Your Roses in Review reports are due on September 26, 2015.

Your help is needed now, to evaluate the new roses. Please participate. The benefits of your experience gained in growing these new roses will help others in selecting new roses for their gardens.

The most efficient method of reporting is the filling out of the on-line survey at www.ars.org. Click on "Roses in Review". Scroll down the page and click on and read "Instructions". Register using the "New User" button on the bottom of the Instructions Page or on the Roses in Review main page. Please enter all of the requested information. (You will be able to access the survey page as often as you need to, using the e-mail address and zip code you record.) Be sure to select your ARS district and enter the name of your local society "(if any)." Check the box if you are an ARS Consulting Rosarian. If you grow none of the listed roses, check that box and then click the "Register" button. Now you are ready to report on the roses you grow. You may return to your review as often as you wish until you have reported on your roses.

If you prefer to fill out a paper copy of the survey, you will find the form in the July/August 2014 edition of the *American Rose*. Mail your completed survey to your RIR Chairman:

Jason Fredette 5614 S. Prentice Street, Seattle, WA 98178-2245

(206) 851-7889 jasonfredette@hotmail.com

American Rose Convention September 10 to 13, 2015 Syracuse NY

All Rose Society members are invited to join us for the Fall Convention for the American Rose Society, being held September 10 to 13, 2015 in Syracuse NY. The committee is planning many great programs, a national rose show, vendors, tours and the opportunity to meet rosarians from across the country. On Saturday night September 12, 2015 will be the installation of the new officers including our new president Pat Shanley. The newly elected Vice President, Regional Directors and District Directors will also be installed.

This is a great opportunity to enter your roses and photographs in the rose show. You can win national awards and trophies. We will have vendors selling their products, raffles and a silent auction. For further information please check our website www.newyorkroses.org which will go live around February 15, 2015. We will be updating the website to include speakers, sponsors vendors etc. If you have any questions please feel free to contact Ann & Joe Gibson ambushe@yahoo.com or Rosemarie Murphy 570-977-2253 or rmenterprises1105@gmail.com. Join us for the convention we have a lot planned to make your attendance memorable.

It's Time to Register for the PNW District Fall Conference,

October 30-November 1, 2015 !!!!

Do It Right Away! You Won't Regret it!

Talk about the Conference at all of your society's meetings and make copies of the registration information available to your members. Many rose society members are not aware of the Fall Conference and do not realize what an educational, fun weekend they are missing.

Staying at the Heathman? We have a special rate for our rooms. Ask for the Pacific Northwest District or The American Rose Society rate, and you'll be set.

We are already very excited for the Fall Conference, which is scheduled for the weekend of October 30-November 1. You will be excited to learn that we have confirmed several wonderful speakers on varied topics:

Danielle Hahn, from Rose Story Farm will speak about her farm in California where she and her husband grow over 25,000 rose plants organically. These cut flowers are shipped all over the country. We'll learn how she started this venture, and how she manages to care for her roses without pesticides or fungicides, yet manages to produce beautiful, fragrant roses. Ms. Hahn was awarded the prestigious "Great Rosarian of the World" award in February of 2014.



*A beautiful collection of a dozen roses exhibited at
The National Spring Rose Show and the National Mini Show,
Columbus, Ohio, June 2015*

Carole Newcomb from Northland Rosarium in Spokane, Washington will speak about growing roses with clematis.

(Continued on page 14)

PNW District – Fall Conference—October 30-November 1, 2015 Schedule

Heathman Lodge, Vancouver, WA

Friday: Oct. 30th

6:00 – 7:00 PM Check-In Begins
 7:00 – 9:00 PM Rose Arrangement Seminar
 9:00 - 11:00 PM Reception hosted by Gretchen Humphrey,
 District Director

Saturday: Oct. 31st

7:30 – 8:30 AM Prizes & Awards Committee Meeting
 8:00 – 9:00 AM Check-In Begins
 9:00 – 9:30 AM Introductions presented by
 Gretchen Humphrey, District Director
 9:30 – 10:45 AM Presentation
 10:45 – Noon District business meeting
 12:00 – 1:15 PM LUNCH

1:15 – 4:15 PM Presentations
 4:15 – 4:30 PM Silent Auction Concludes
 Dinner: On your own
 8:00 – 11:00 PM Reception hosted by
 Gretchen Humphrey, District Director

Sunday: Nov. 1st

8:00 – Noon Consulting Rosarian Audit and/or School
 presented by John Moe and
 Elena Williams
 8:00 – Noon Horticulture Judging Audit presented by
 Bruce Lind and Jim Linman

(Continued from page 13)

Dr. Gary Ritchie from Olympia, Washington will give a presentation titled, "Flowers".

Jeff Wyckoff will speak about the AGRS, American Garden Rose Selections.

Caroline Fredette will give a presentation on her trip to the World Federation of Roses at Lyon, France.

Carla Stenberg, a Portland Rose Society member and Rose Festival Association Director will speak about using Social Media to promote our local societies and activities.

Rich Baer will present photographs of beautiful roses we must consider bidding on, taking home, and planting in our own gardens.

A budding clinic originally scheduled for Friday evening will not be held because of time constraints.



Registration Information

Please print the participant(s) name(s) in the following form as you want them to appear on name tags. The Registration fee includes Saturday lunch and breaks, and is \$45/person, prior to October 1. On / after October 1, the Registration fee is \$60 per person. Other fees remain the same. Additional fees apply for those attending the Arrangement Seminar, the Consulting Rosarian School, and the Horticulture Judging Audit.

Please make your check for the total amount, (payable to **Pacific NW District – ARS**). Send this registration form or a facsimile, along with payment to:

BEAGE KILEY, 2218 VISTA AVE SE, OLYMPIA, WA 98501-3829



Registration Form

Regular District Meeting, Luncheon and Breaks (Saturday)

Pre Oct. 1 On/after Oct. 1

1. _____ \$45 \$60

2. _____ \$45 \$60

Arrangement Seminar (Friday Evening, 7-9 PM)

1. _____ \$20 (to help cover the cost of the room)

2. _____ \$20 (to help cover the cost of the room)

Horticulture Judging Audit (on Sunday)

1. _____ \$20 (to help cover the cost of the room)

2. _____ \$20 (to help cover the cost of the room)

Consulting Rosarian Seminar/School (on Sunday)

1. _____ \$20 (bring a \$10 check to the ARS for the exam fee)

2. _____ \$20 (bring a \$10 check to the ARS for the exam fee)

Consulting Rosarian Audit (on Sunday)

1. _____ \$20 (to help cover the cost of the room)

2. _____ \$20 (to help cover the cost of the room)

Home Rose Society:

**Fees remain the same
as in past years.**

Rose Sepals

By The Rose Whisperer, AKA Harlow Young

Note: This article appeared first in The Rose Herald, the newsletter of the Tri-City Rose Society

*"On a summer's day, in sultry weather,
Five brethren were born together.
Two had beards and two had none,
And the other had but half a one."*

There are several known forms of this riddle. It may have first appeared even before the invention of the printing press, one reference giving its origin to a Dominican friar, Albertus Magnus (ca. 1200-1280), and later translated as given above.

SIGNATURE



What or who are the five brethren of this riddle?

The answer is rose sepals.

As you may know, the sepals are the green coverings of the rose's flower bud which, when they "relax" and fold back, reveal the petals as the flower blooms. Generally, there are five sepals folded around each bud, and within these there are three morphological descriptions of the sepals, as described in the above riddle. These three types, though similar, are often uniquely shaped to each species or hybrid of rose.

When you look carefully at the different hybrids of roses in your garden, you will notice that each hybrid has a different shape, size and color of sepals. Not only are these unique sepals genetically coded, but they can also be influenced by ecological or agricultural conditions. For example, during these recent very hot days, I noticed that the blooms are smaller and the sepals are correspondingly smaller and less distinct compared to the same roses just one month ago.

While researching on the Web for more information about these "five brothers," I learned some interesting information. The word **sepal** comes from the Latin word for "separate," which hints at the fact that each flower's sepals are separate units that sit below the petals. Each sepal is somewhat triangular in shape, usually being very long and slender, and pointed at the outer end. If you look carefully at the edges of each sepal, you'll notice that two of them break up into tiny, flattened "whiskers." These are the bearded brothers of the riddle. Two will have smooth edges being the beardless brothers, and the one with only half a beard has one smooth and one whiskery edge.

Regardless of the rose variety, the sepals are the most leaf-like parts of the flower. They contain the same number and arrangement of veins found in the plant's foliage and are often as green as the true leaves because they, too, store chlorophyll in their cells.

Sepals may help keep the flower parts moist while they develop inside the bud. Together, the five sepals form a ring called

My friend, Rich Baer of the Portland, OR Rose Society sent me three other versions of this same riddle:

An 1871 Version

"Five brothers all equal in age,
Two bearded and equally wise.
Two beardless and equally sage
One bearded though one half in size."

A 1901 version

"Of us five brothers at the same time born
Two, from our birthday, ever beards have worn.
On other two, none have ever appeared
While the fifth brother wears but half a beard."

A 2001 version

"Brothers five on one day born
Two were bearded, two were shorn.
One to hide his brother's shame
Wore one side bearded, one side none."

(Continued on page 16)

(Continued from page 15)

the **calyx**. The word calyx is derived from a Greek word referring to a husk or envelope. The calyx does not divide into sepals until all the inner organs of the flower are ready to emerge and unfold. The outer surfaces of some sepals wear an outer coat of sharp prickles or gluey glands. These ornaments may offer even greater protection to the young flower by discouraging insect attacks. In a few flowers (not roses) sepals are discarded as the flower opens. For example, the sepals of poppies and bleeding hearts are little more than thin wrappers that fall to the ground once the inner organs are mature and the sepals' job is done.



'Dainty Bess'

****BEST IN SHOW****

Photo by Harlow Young

ARS Magazine Photo Contest, 2015

'Dragonfly on 'Pristine'

Photo by Harlow Young

ARS Magazine
Photo Contest, 2015



2014 ARS Magazine Photo Contest RESULTS Pacific Northwest Winners

(These results were previously published in the Spring Issue of the Northwest Rosarian. Many of the he winning photos can be found in this issue.)

****BEST IN SHOW****

Harlow Young – Dainty Bess

Class 2

Harlow Young - Ambossfunken

Class 3

Harlow Young - Vavoom

Class 4

Harlow Young – School Spirit

Class 9

Harlow Young – Dragonfly on Pristine

Class 12

Harlow Young – Nippy Hips

Class 13-1

Gretchen Humphrey – Touch of Class

Class 13-2

Kathleen Kirkpatrick – Sugar Moon

Class 13-4

Kathleen Kirkpatrick – Queen Elizabeth

Class 13-10

Kathleen Kirkpatrick – Chicago Peace

Class 13-11

Kathleen Kirkpatrick – Peninsula Park
Rose Garden, Portland, OR

Class 13-12

Sue Tiffany – Graham Thomas

Class 14-1

Rich Baer - Sunstruck
Jim Linman – Lynn Anderson

Class 14-2

Rich Baer - Pinnacle
Rich Baer – Flamingo
Rich Baer – You're the One

Class 14-3

Rich Baer – Arrg. Regina Johnson

Northwest District Website & Speaker's Bureau



Deborah Erickson, PNW District Webmaster deborah@deborahericksonphd.com

Need a presentation for an upcoming meeting? Need a report form to fill out as a consulting rosarian, horticulture judge or arrangement judge? Need to find out who won the trophies at the District Show hosted by the Tri-City Rose Society? Need a Registration form for the Fall Conference? Need some advice about roses from someone? This information is all available at the District website, pnwdistrict.org.



'Ambossfunken'

Photo by Harlow Young

ARS Magazine Photo Contest, 2015



'Let Freedom Ring'

Rose Arrangement by
Regina Johnson

Photo by Rich Baer

ARS Magazine Photo Contest,
2015

Editor's Notes

Judy Heath, Editor, Northwest Rosarian



What a sunny summer! My roses were not doing too well until I got the watering system fixed. Now, they don't seem to mind the hot weather. I do, however. I am gloriously happy when the temperature is in the 70s and low 80s and I can be out in the garden. When the temperature is in the high 80s and 90s, I start to wilt.

The question on every rose gardener's mind, here in the Northwest, has to be: Will this kind of dry, hot Springs and Summers continue in the coming years? Do we continue to schedule rose shows based on the growth of roses in the past 30 years? Or is this going to be our new normal? It will take a few years before we know what trend we can expect. There is no denying that the last few years have brought unusual early freezes or no freezes at all, rain during our normally dry months or little rain at all. I am just hoping that any change in weather does not bring a deluge of rain the first part of September. My son is getting married in an outdoor wedding on September 4th.

Besides the dates for coming rose shows, conferences and conventions, I have included the dates when reports are due. Look at page 4 for the deadlines for Roses in Review, Consulting Rosarian's Report, Horticulture and Arrangement Judges' Report. Any forms you need for these reports can be found on the District website (see above). Roses in Review can be completed on-line or by mailing in the report form you received inside your copy of the *American Rose*, July-August 2015 issue.

The Fall Conference will be another fun-filled, and informative event. If you have not attended one, I urge you to do so. I am sure that if you attend one, you will want to attend every year. That is what happened to me. The first time I attended, the conference fell on my birthday. It turned out to be a very special birthday. I had entered pictures in the Photo Contest. (My first foray into taking pictures of roses and my first time entering a photo contest.) I ended up winning 5 blue ribbons for my photos. What a surprise! I had also purchased tickets for the large Basket Drawing and ended winning 2 baskets as well.

Perhaps you will be as lucky as I was that day.

PS—I haven't been nearly as fortunate since then!

Join Today!! ARS Membership Benefits



- ◆ Five issue of American Rose Magazine, a \$40 value
- ◆ One issue of American Rose Annual, a \$15 value
- ◆ The Handbook for Selecting Roses, a \$5 value
- ◆ Free advice from Consulting Rosarians
- ◆ Free or reduced garden admissions a \$25 value after just 3 uses
- ◆ Free online access to five quarterly bulletins, a \$45 value
- ◆ Discounts of up to 30% at merchant partners

A \$130+ value for only \$49

New Benefit for ARS Members

Modern Roses database (<http://www.rose.org/members-only-2/>) is now open to all ARS members. It is password-protected, so you will need to read your magazine carefully each month to be sure you know what the pass-word is as it changes frequently.

The Registration Code for all members is: 12345678.

The Password is: <in the magazine>.

There are many people who are **not** members who have purchased annual use of the database - most often for research. These users should always log in with their personal Registration Code and Password and renew their User Permit annually (go to the ARS Store under "Shop" on the top menu bar and search for "Modern Roses").

Hard Copy Subscriptions Due!!!

If you are receiving your copy of this newsletter in printed form, mailed to you, please do not forget to pay \$10 for a subscription to the newsletter. This is a yearly subscription. Send your \$10 to the district treasurer,

Beage Kiley, Pacific Northwest District ARS,
2218 Vista Ave. SE, Olympia, WA 98501-3829

For more information, please contact me, Judy Heath, 360-281-7270
or email me at: rosemom@heathfamily.us

Let Me Know!!

Because of privacy concerns, the ARS is reluctant to give out the e-mail and snail mail addresses of its members. I need your help, therefore, in getting the newsletter out to new members of the ARS or members who have rejoined in the last year. Please make sure that all your rose friends who are ARS members are getting this newsletter. If not, let them know how to contact me so that I can update my records.

Update Local Society Information

Update your society information on the ARS website.

Go to www.rose.org, click on:

[Local Societies](#) and then on:

[Update Local Society Information](#).

ARS Has a New Web Address!

www.rose.org

Trial Memberships



The American Rose Society is now offering a four-month trial in becoming members of our organization. Most ARS members are home gardeners who enjoy growing roses and want to expand their knowledge of rose membership for only \$10 to anyone who is interested in rose culture.

Four-Month Trial Members receive:

- Free advice from Consulting Rosarians. The ARS Consulting Rosarians program connects members with expert rosarians that provide free assistance with your rose questions.
- Free or reduced garden admissions, a \$25 value after just 3 uses. With the ARS Reciprocal Garden Admission program, members enjoy free or reduced admission to and discounts at hundreds of gardens, conservatories, and arboreta nationwide.
- Free online access to four quarterly bulletins, a \$45 value. Previously available by subscription only, the Mini/Mini-Flora Bulletin, Old Garden Rose & Shrub Gazette, Rose Arrangers' Bulletin, and Rose Exhibitors' Forum are all now available online for free to all ARS members.
- 2 issues of *American Rose* magazine, \$16 value. The only magazine devoted exclusively to roses and rose culture, these bi-monthly, 84-page issues feature informative articles and beautiful color photography for beginners and experienced rose growers alike. View a free issue online at www.rose.org.

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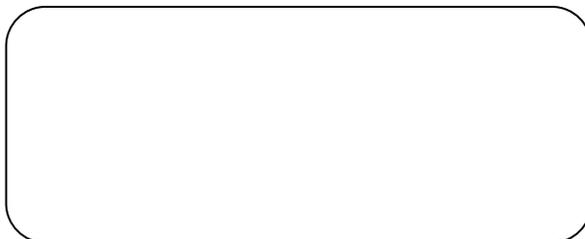
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Bulletin of the
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The Pacific Northwest Rosarian is available via email. If you have an email address and did not receive your copy via email, please contact Judy Heath at rosemom@heathfamily.us

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