

NORTHWEST

ROSARIAN

'Randy Scott'
Photo by Rich Baer

District Doings

Gretchen Humphrey, PNW District Director

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



Greetings Rosarians,

Happy Spring to you all. I know that after this very rainy and muddy winter, I am ready for some sunshine! Our backyard garden in Humphreyville has undergone a huge transformation. We wisely decided to hire professionals to build new, shorter raised rose beds, replace worn out existing beds, build proper walkways with uniform spacing, enlarge and define the area more formally, remove about 15 feet deep laurels, and properly replant about 250 roses with more growing room. They're all happily settling in. The new grassy pathways and lawn area (negative space) should be germinating soon. This is quite a change from a garden of vegetable beds, which was slowly taken over by roses jammed in everywhere. Did I mention that an automatic sprinkling system was included? Hooray! Funny how I suspected that I would need to buy many, many more rose plants to fill the new beds, but in reality I have almost filled the spaces completely. Michael and I are anxiously awaiting the new developments. Stay tuned for another update this summer!



(Continued on page 2)

(Continued from page 1)

This summer I plan to attend the National Miniature Convention and Board Meeting in Pennsylvania. I will represent the PNW and bring back national news of the American Rose Society.

I hope this newsletter finds you as excited as I am about a new year of rose growing. For us in the Northwest, the year begins in Spring!

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Miniature/Miniflora Roses and Propagation Workshop Planned

This year's Summer Workshop will be held at the home of Rich and Charold Baer in SW Portland. The topics will be: "Miniature/ MiniFlora Roses" and "Propagation."

The date will be Saturday, July 23rd from 10:00-2:00.

In this workshop you will learn about the care of mini and miniflora roses, which varieties do best in the Northwest climate, and which you might want to exhibit. To that end, you can learn the best ways to propagate your desired roses.

The two ways a cutting will fail are drying out and disease. I used to struggle to have my cuttings take root, and achieved a success rate of about 5% using a plastic bag over the pots of cuttings, until Michael built a misting bed for me two years ago. Since then, the success rate has climbed to around 90% or higher.

Because it has become so difficult to get the exhibition quality miniature and miniflora roses we want, having your own small misting system will enable you to make cuttings of roses or any other plant you desire. You might ask a friend for a cutting, or you might see one at a show that you can take home and propagate after helping clean up the roses and vases.

You can have the same success by using a propagation system, which we will provide for you at the Summer Workshop. There are several ways to do this:

Purchase a Mini Mister kit, take it home and assemble it there for \$40.

Purchase a Mini Mister kit and make it at the workshop for \$40.

Purchase a pre-made Mini Mister, completely assembled, for \$75.

Purchase a free standing Quick Mister for \$10.

(See examples of the misters built by Rich Baer and Mike Humphrey on page 3.)



'Dick Clark'

Photo by Diane Bartley
2015 PNW District Photo Contest

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Rich Baer designed this inexpensive model, which attaches to a hose on the lower end, and supplies mist from the top. There's no enclosure, but the mist will moisten any cuttings it hits, for a low-cost method.



Michael's Mini Mister is made from cedar. It has one mister and is not yet covered with plastic on its roof. It attaches to a hose bib at one end, and will provide about 2 gallons of mist per hour to your cuttings. The bottom is open, ready for your flats of potential new plants. This one doesn't yet have its plastic covering, but will.

This will be the Mini Mister Kit you will receive for \$40.



Rich's Quick Mister for \$10.

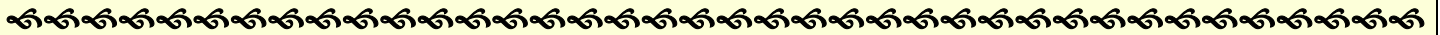
(Continued from page 2)

At this workshop, you will also learn the process of chip budding, which is taking a bud eye from a desired variety and attaching it in a special way to a vigorous rootstock. This enables the plant to grow very strong. Hybridizers often choose their best crossed new plants and graft/chip bud them so they will be strong plants. You'll learn this method from the experts, whether you're an amateur hybridizer or just want to experiment with making a cutting into a grafted rose.

This afternoon will be educational and fun, with lots of hands-on activities.

Registration for the Summer Workshop is \$40, and will include snacks and lunch. Bring your camera, too.

***When you come to the workshop, please bring labeled cuttings of minis and minifloras to share! Just cut a stem or two with a few sets of leaves, and put it in a plastic cup labeled with the variety. I know that the Baers' garden is filled with delightful varieties, some of which we only read about in books. I have heard from a very good source that we will be able to get cuttings of some of their roses as well!**



**Summer Workshop
PNW District Saturday, July 23, 2016
The Baers' home, 8039 SW 62nd Place, Portland, OR 97219
10:00-2:00**

Name(s) _____

Email _____

Phone _____ cell/land

Home Society _____

	Quantity:
Purchase a Mini Mister kit, take it home and assemble it there for \$40	_____
Purchase a Mini Mister kit and make it at the workshop for \$40	_____
Purchase a pre-made Mini Mister, completely assembled, for \$75	_____
Purchase a free standing Quick Mister for \$10.	_____
Registration for the Summer Workshop is \$40, includes lunch	_____
Total \$	_____

Checks: Make payable to Pacific NW District
c/o Gretchen Humphrey
12385 SW 121st Ave.
Tigard, OR 9723
503-539-6853

**We need to have your reservation by July 15th,
in order to complete the necessary kits and sup-
plies. Earlier is better.
Questions?
Email me:ghumphrey25@yahoo.com**

PNW Horticulture Judging News

Bruce Lind & Jim Linman, PNW District

Horticulture Judging Co-Chairs, Ken Rowe, Horticulture Judging Program Advisor



Let us thank and congratulate all of the exhibitors and judges who travel near and far from home to share their beautiful roses with all of us, and also with those guests who view our rose shows. Likewise, thanks are surely due to all those who work so hard behind the scenes to make the “rose show day” fun for all the participants. We are looking forward to another year of excellent and well-judged rose shows in the PNW District. This year the Pacific Northwest District Rose Show will be held in Vancouver, WA on Saturday, June 4th. (See more information about the District Show on page 15-16.)

We have a number of apprentice judges at this time and we hope more people will become interested in joining the ranks of the PNW District judging realms. There will be a judging school in the PNW District this year, provided we have firm commitments of interest from “enough” eligible candidates. We have five or six candidates from the group who passed the Arrangement Judging School last August. We also have expressions of interest from at least two others. We would still like to hear from more of you who can fulfill the requirements listed below by late July of this year.

We have a tentative plan to hold a Horticulture Judging School in Olympia, WA on August 20th & 21st, Saturday and Sunday, 2016. **TO HAVE THE SCHOOL WE NEED TO HEAR FROM INDIVIDUALS WHO WILL PREPARE FOR AND TAKE THE SCHOOL. To make sure the school is viable we need interested candidates to contact Jim or Bruce by May 31, 2016.**

If you need a copy of the “Apprentice Application Form”, please contact one of us. We will send registration forms with directions to the school location to those who are interested in attending. We also encourage those of you who are judges to do some “arm twisting” on people you know to be **good candidates** for judging. The requirements for “judging candidates” focus on experience in rose growing, rose knowledge, and successful rose exhibiting over a period of several years. It is also necessary for candidates to be well-versed in the way in which rose shows are conducted (it varies). The ARS publishes a manual on judging horticultural exhibits in rose shows: *Guidelines for Judging Roses*, and a thorough knowledge of this publication is essential if one is to be successful in a judging school. *Guidelines* is frequently updated and it is wise to start with the most recent version (2015 copyright) if one is going to begin preparing for a judging school. The ARS makes *Guidelines* available to all members as a free download from the “Members Only” portion of their website. Chapter 21 of *Guidelines* spells out the full list of requirements for apprentice judges.

More specifically, three of the key requirements (from Chapter 21 of *Guidelines*) are: (1) – Have exhibited in the horticulture sections of at least five ARS accredited rose shows over a period of at least three years. The applicant should have won at least five horticultural blue ribbons and at least two ARS horticultural certificates or equivalent awards. (2) – Have worked in at least three rose shows, either as a clerk or in some other capacity, such as show chairperson or clerks’ chairperson that would familiarize the applicant with proper show procedures. (3) – Have been a member of the American Rose Society for at least thirty-six months, including the twelve months immediately preceding becoming an apprentice judge. *Note: The wording of (3) allows individuals who meet all other requirements to take a judging school before completing the thirty-six month membership requirement.* If you have questions about specific details, please just let us (Bruce Lind or Jim Linman) know what they are. Our contact information is always included in the Northwest Rosarian. We also recommend that all current judges review the *Guidelines for Judging Roses*.

There is a registration cost for all attending the judging school, which helps cover local and district expenses and a fee from the ARS for taking the exam or attending the audit. We can get that information to you if you are interested.



‘Sunstruck’

Photo by Gretchen Humphrey
2015 PNW District Photo Contest

We again have a number of judges in our district needing an audit in 2016. We have much appreciated the “**audit early and audit often**” attitude of so many of our PNW judges. It is so much better when there are no crises that need to be handled. We will send out notices to those due for an audit in 2016, so you will have some time to plan. There will be regional audits held if needed. Audit opportunities will be at the morning session of the judging school in July or August and, of course, we will arrange for the traditional four-hour audit at the PNW District Fall Conference, October 28-30th for full audit credit.

If you have a willingness to serve as a host for an additional audit with roses available, please let us know soon, as we need to clear things with the National ARS Horticulture Judging Chair. Those judges due for an audit in 2016 will have until the end of the year to complete that audit.

Thanks to all of you for doing such an excellent job in mentoring and judging through the years. The PNW judges are the best!!

District CR Report

John Moe and Elena Williams, PNW District Consulting Rosarian Coordinators



I'm sure that most of you have been reading the articles in the latest *American Rose* and their involvement with mentorship. Maybe it brought back some memories about how you got started in roses, and who might have helped you along the way. Most of us can most likely name an individual who we looked to for advice during those early days. As CRs, we all have at least three years of "rosing", and have gone thru all of the steps to have successfully grown some roses, and thus can be a mentor to someone new to roses. It is also our obligation, where it is stated in the CR manual – "Being an active Consulting Rosarian is more than an obligation to share technical knowledge concerning roses; it is a call to service. The object is to HELP others and to stimulate greater interest in growing roses". Give it some thought, and see if you can be the one that someone new to roses will one day say to you "Thanks for being MY mentor!"

By the time that you receive the *Northwest Rosarian*, most of you most likely are done with your spring pruning and are getting ready for the next step – fertilizing and spraying. Springtime in the garden is a welcome respite from winter, even though we work around or thru the rains. We sure have had enuf of that for a while! This is also a good time to pick up the CR manual and review some of the basics that may have been forgotten over the winter. As we have mentioned before, the section that listed the fungicides and insecticides was removed from the CR manual, and moved to the ARS website, where it could be kept more up to date. If you go the members only part of the ARS website and sign in (the current password is in the latest issue of the *American Rose* magazine), you can find these two documents right at the end of the Consulting Rosarian section and download and print them for your use.

This would also be a good time for all CRs to take a trip to Home Depot, Lowes or other suppliers of garden chemicals and see what is available for the general public to purchase. When you are advising them of what to use, make sure it is something that they can readily obtain! Look for the new group of chemicals that are more environmentally friendly, and be knowledgeable of them.

We should be receiving information from ARS about the Master Rosarian program, and submission dates for the 2016 nominations. We will see that the information along with the form are posted to the PNW District website, and sent via email to all CRs.

If you need to earn continuing education credits for recertification, go back and take a look at the CR column in the winter issue, where it offers the options to do so. We won't repeat it here for space considerations. The form to request seminar credit is available on the district website.

My Two Cents by Elena Williams

Once again I am happy to report, the PNW CRs are completing the Roses in Review and turning in the annual reports. This year I thought it might be fun to share some of the most recommended garden varieties by CRs across the district. It is always good to have a quick list of good garden performers when we consult. Last weekend a few members of Kitsap County Rose Society spent four hours at Valley Nursery in Poulsbo, WA during their spring rose sale. On a rare dry Saturday afternoon, it was fun recommending roses to their customers. One woman was purchasing her third rose, so I suggested 'Julia Child'. Another lady wanted a rose that she could photograph, so I suggested 'Francis Meilland'. And one older man was out to buy a climbing rose for his daughter's new home, so I suggested 'Westerland'. He also got some Dr. Earth rose fertilizer. Our hope was to talk to people with the goal of meeting potential new members, but it was a very satisfying day just connecting people with the right rose. Maybe we will see a few of these folks at our April meeting.

Here is a list of roses that were suggested as garden varieties by several CRs on their 2015 annual reports.

HT/GR: South Africa, Marilyn Monroe, Over the Moon, Veteran's Honor, Gemini, Beverly, Dark Desire, Elina

FL: Julia Child, Day Breaker, Easy Going, Lavaglut, Colorific, Hannah Gordon, Sexy Rexy, Sunsprite, Drop Dead Red, Playboy, Sugar Moon

CL: Royal Sunset, Sombrueill, New Dawn, Jeanne LaJoie, Sally Holmes, Westerland

Mini/MF: Magic Show, Irresistible, Seattle Sunrise, Rainbow's End, Cupcake, Lynn, Daddy Frank, Joy

Shrubs: Quietness, Munstead Woods, Graham Thomas, Teasing Georgia, Linda Campbell, Boscobel

OGRs: Baronne Prevost, Rose de Rescht, Mme. Hardy

Our task as CRs is to promote the beauty of the rose, and to encourage good culture habits. Always remember the KISS principle to keep it simple when advising others. Enjoy the new rose season, and most of all have fun with this wonderful hobby of ours.

In Memoriam: Barbara Cyrus

It is with sadness that I report the passing of Barbara Cyrus on April 23, 2016 in Yuma Arizona.

Barbara Cyrus was a Consulting Rosarian and Horticulture Judge and well-known throughout the Northwest District. At one time, she served as the Editor of this newsletter, the *Northwest Rosarian* and as Trophy Chair for the District. She was a member of the American Rose Society, the Portland Rose Society and the Fort Vancouver Rose Society that I know of. She served as President of the Portland Rose Society in 1984.

She received the Silver Honor Medal in 1983 and received the Lifetime Achievement Award in 5. She became a Master Rosarian in 2007.



'Heather Sproul'

Photo by Jolene Angelos
2015 PNW District Photo Contest\

Master Rosarian Nominations Needed!

John Moe, PNW District CR Co-chair

Consulting Rosarians are among the most knowledgeable and active people in the American Rose Society. The Master Rosarian designation was created to recognize those CRs who have made outstanding contributions as CRs over a significant period of time. The Master Rosarian is a designation, not an award. All CRs with 10 years or more experience and a willingness to continue to serve in this role should be considered. Do not confuse this designation with the CR Emeritus designation.

The ARS website lists the CRs under the members only section of the ARS website. Use the password found in the latest ARS magazine. You will need to scroll down thru a number of districts before coming to the PNW. As you scroll to the right, you will see a column headed YrAppt, which will tell you that a CR has the required 10 years of service. FYI, the column headed NextAudYr is the year that you are due for re-certification.

We now begin the process of selecting MRs for 2016. The attached nomination form describes the designation and the criteria for achieving it. There are no limits to the number of yearly selections of MRs within a District. CRs may nominate themselves, be nominated by other ARS members, or be nominated by a committee of their local rose society or of the District. The form must be completed in its entirety.

The district committee is NOT the final approving authority, therefore please complete the form so that someone who does not know the nominee can determine from the form the qualifications of the nominee. For example - a simple yes is not a sufficient answer - provide some detail for explanation.

Here is the timeline:

April 1 – July 1...Nominations for Master Rosarian will be submitted for consideration to the district CR coordinators.

July 1 – August 1 (district committee completes its review)... and forwards the documentation to the ARS.

Please contact either Elena Williams or John Moe, the District CR Co-Chairs if you have any questions. We had no Master Rosarians designated last year. We do have a number of them that are eligible - lets see that those that are deserving do receive that coveted designation this year.

You will find the nomination process described and the nomination form to fill out on page 8-10.



Master Rosarian Nomination Process 2016

Consulting Rosarians are among the most knowledgeable and active people in the American Rose Society. The ARS needs a well-motivated and educated group of CRs if the ARS is to continue to succeed in its mission. The Master Rosarian designation was created to recognize those CRs who have made outstanding contributions as CRs over a significant period of time.

The Master Rosarian (MR) is a Consulting Rosarian (CR) who:

Exemplifies knowledge of roses and their culture.

Shows a strong and demonstrated willingness to share this knowledge with other rosarians and the general public.

Is a model of the ethical behavior exemplified in the CR program. The achievement of the Master Rosarian designation by a CR is intended to recognize their outstanding contribution.

Basic Requirements

A minimum of 10 years **consecutive service** as an active CR.

Outstanding performance (documented in the nomination form).

Be an active accredited CR at the time of the nomination.

A willingness to continue to serve as a CR.

Nomination, Selection, and Communication Process

Announcements should be published in local society and district newsletters. The District Director and the local society presidents are responsible to make their memberships aware of the nomination and selection process. There are no limits to the number of yearly selections of MRs within a District. If there are questions about a nominee, the committee may request additional information from the author of the nomination or from the nominee themselves.

A request for nominations will be announced by the ARS in the spring and complete rules and procedures will be sent to each District Chair for publication on their website and in the District and local newsletters.

Nominations must be submitted on the official nomination form available from ARS HQ and on the ARS website. CRs may nominate themselves; be nominated by other ARS members; or by a committee of their local rose society or of the District. The form must be completed in its entirety. Special consideration should be made as to whether or not the RIR and District Annual (if required) report was filed.

The completed nomination form should be sent to the CR Chair in each District. A committee consisting of the District CR Chair, the District Director, and at least one other person, will review the nominations and approve or not approve. The District CR Chair should serve as the chair of the committee and facilitate the process. Selections should be based on information provided in the nomination form and from personal knowledge of a candidate's credentials.

All nominations **approved or not approved at the district level**, will be forwarded to ARS HQ.

The National CR Chair will review the decisions of the committee and announce the final selection. Disagreements regarding selections will be resolved by the National CR committee.

Districts should acknowledge the new MRs at an appropriate district meeting in the fall or winter following selection. All MRs will be given the MR certificate available from ARS HQ. An optional MR pin is available for purchase. If there is no appropriate District meeting, the announcements can be made at the local society level.

Local societies and Districts are encouraged to publicize the names of those who have achieved the Master Rosarian designation.

The nomination form should be filled out as completely as possible. It is understood that every question may not be relevant to each nominee, but a Master Rosarian should excel in at least several areas. Additional documentation is needed only if requested. If you are uncertain about the credentials of any nominee, ask the nominee themselves or someone who can help you. An incomplete nomination form weakens the overall nomination. A 'yes' response is not sufficient for those questions requiring an explanation.

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Master Rosarian Nomination Form

Name of nominee (as you wish it to appear on the Certificate)

Local Rose Society:

District:

Name of person completing this form:

Is this nominee approved by the District Committee? Yes No?

If not, please comment on any issues regarding qualifications? (Submit the nomination to ARS-HQ)

Please use the following questions to present the credentials for each nominee. It is understood that every question may not be relevant to each nominee, but a Master Rosarian should excel in at least several areas. Additional documentation is needed only if requested. *If you are uncertain about the credentials of any nominee, or there is missing information, please ask the nominee themselves or someone who can help you. An incomplete nomination form weakens the overall nomination. A “yes” response is not sufficient for those questions requiring an explanation. The summary question (1) must be completed for each candidate.*

SUMMARY

1. In a few sentences, why should this candidate be designated a Master Rosarian? (Is this CR well respected by his peers? How does he/she distinguish himself from the “average” CR?)

SUPPORTING INFORMATION

2. Does this nominee write articles for local, district, or national publications? How frequently? *Please list some specific titles of articles, where they were published and when. Please attach at least one such article or where it can be read by the CR Review Committee.*
3. Does this nominee make presentations at local, district, or national meetings? *Please list some specific titles of the presentations, where they were given, and when. Are the presentations available as a PowerPoint program?*
4. How does this nominee contribute to the CR program? (Examples include enlisting new CRs, training CRs at schools for new CRs or for re-certification existing CRs, participating on CR committees).

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Name of Nominee: _____

5. How has this nominee solicited new members to local rose societies and the ARS?

6. How has this nominee responded to rose related questions? *Check all that apply. If 'other is selected, please provide more details.*

Phone Local Meetings Online Newspaper Listed as a Cyber CR Other

7. Does this nominee participate in local rose society activities? *Check all that apply. If 'other is selected, please provide more details.*

Meetings Rose show Rose education Newsletter Other

8. How has he/she advanced the development of the local rose society? Is this CR a leader in your local society? Which offices have been held? On what committees has this nominee served?

9. How does this nominee help to educate the public at your local rose show or other forums?

10. Does this nominee participate in district or national rose events? How often?

11. Does this nominee complete the annual CR report in your district? (Required in many districts). *If 'other is selected, please provide more details.*

Yes No Other

12. How often has this nominee submitted the annual "Roses in Review" report in the past 3 years? (CRs are expected to participate)

13. Has this nominee been recognized for his/her contributions by the local rose society, district, or national ARS? Which honors have been conferred at a local, district, or national level? Has he/she been recognized for CR-related activities outside the ARS? Comment



Fall Conference Scheduled!

The next big event is our Fall Conference, which will again take place at the Heathman Lodge on October 28-30, 2016. Our keynote speaker is Stephen Scanniello, who has written several books on roses, including *A Year of Roses*, *A Rose by Any Name*, and *Climbing Roses*, and *Roses of America*. He is the curator of the Brooklyn Botanic Garden, and was honored as Great Rosarian of the World in 2009.

We will have several other excellent speakers, as usual, (Gary Ritchie will be returning with a talk on "Rose Nutrition", a subject of vital interest to all of us rose enthusiasts.) It is sure to be an exciting and fun weekend.

Please join us, and invite your friends!

<u>Rose Shows 2016</u>	Show or Display	Date
Tri-City Rose Society	Show	May 28, 2016
Fort Vancouver Rose Society	DISTRICT SHOW	June 4, 2016
Portland Rose Society	Spring Show	June 9-10, 2016
Seattle Rose Society	Show	June 11-12, 2016
Heritage Roses Northwest	Show	June 19, 2016
Spokane Rose Society	Show	June 25, 2016
Tacoma Rose Society	Show	June 25, 2016
SW Oregon Rose Society	Show	June 25, 2016
Rainy Rose Society	Display	June 26, 2016
Fraser Pacific Rose Society	Show	July 2-3, 2016
Portland Rose Society	Mini-Show	August 6, 2016
Tualatin Valley Rose Society	Show	Sept. 10-11, 2016
Portland Rose Society	Fall Show	Sept. 17-18, 2016
Rogue Valley Rose Society		TBA
Olympia Rose Society		none
Corvallis Rose Society		none
Tri-Valley Rose Society	Display	?
Valley Rose Club		none
Kitsap Rose Society	Show	none
Other Events	Place	Dates
ARS National Miniature Rose Show & Conference	Harrisburg, PA	July 29-31, 2016
PNW District Fall Conference	Vancouver, WA	October 28-30, 2016
Miniature., Miniflora & Propagation Workshop	Portland, OR	July 23, 2016
Horticulture Judging School	TBA	Late July or Mid August, 2016



'Thérèse Bugnet'

Photo by Sue Tiffany
2015 PNW District Photo Contest



Water Relations, Part 3 Measuring transpiration

In the winter 2016 issue of *Northwest Rosarian* we talked about the phenomenon of transpiration – the loss of water from plant leaves. Specifically we introduced the concept of forces driving transpiration and resistances to it. You might want to look that over again before proceeding with the present article.

Unlike many plant physiological processes, such as photosynthesis, respiration, nitrogen metabolism, etc., transpiration is easy to measure. So easy, in fact, that you can do it right in your own home. But before we get to that, let's talk briefly about how scientists approach the measurement of transpiration rates in large plants and trees. This can get a bit complicated.

There are two basic approaches. The first approach is to directly determine the rate of evaporation of water from a leaf (or group of leaves). The second involves weighing the entire plant repeatedly across a time period. Weight loss is equal to water loss.

The first approach is normally used on large plants or trees that are too large to be weighed and/or that are growing in a field setting. First, a leaf or group of leaves is enclosed inside a chamber that has transparent walls. Such chambers range in size from a small tin can, to a large camping tent, depending on how large the plant or leaf sample is. Air is pulled through the chamber at a constant rate with a pump. Then the relative humidity (RH) of the air is measured before it enters the chamber and again after it exits. As the leaves transpire they add water to the air, so RH of the air leaving the chamber is higher than that of the air entering. This difference is calculated then converted to a transpiration rate through use of a complicated formula.

In the second method, a plant is grown in some sort of container, which is placed on a weighing scale. If the surface of the container is covered to prevent evaporation, then changes in weight of the container and plant will be a direct measure of transpirational water loss. Obviously, very long time periods cannot be used because the weight loss from transpiration will be confounded by weight gain from the growth of the plant. And the method cannot generally be used with very large plants or plants growing in the field.

Both approaches yield an estimate of water lost by the plant. Both methods also require an estimate some plant unit against which to normalize water loss. If you are using a plant in a container, then you can express transpiration as water loss per plant per unit of time (for example: 10 grams of water, per plant, per hour). This becomes more problematic, however, if only leaves or branches are used. In this case, some scientists harvest all the leaf material inside the chamber after the test is completed. Then they measure the leaf area or the leaf dry weight to give something like: grams of water, per gram of leaf dry weight, per hour.

With that in mind let's get started on our home transpiration measurement demonstration. You'll need a small miniature rose plant in a small container (say a 4- or 6-inch plastic pot). You may want to nip the buds off before you begin. You'll also need some aluminum foil to cover the soil surface. Finally you'll need a postal scale that weighs up to 5 pounds or so to the nearest gram. I also have the advantage of a small weather station in my yard. So I'll be able to look at the meteorological conditions during the test to help interpret the results.

First, saturate the soil in the pot by watering it generously two or three times. Then, let it sit until water no longer drains from the holes in the bottom of the pot. This may take a day

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'Sally Holmes'

Photo by Harlow Young
2015 PNW District Photo Contest

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or so. Then cover the soil surface with the aluminum foil, weigh the potted plant and record the time and its weight.

Then place it outdoors and weigh it repeatedly every hour or so throughout the day. Make certain that you record both the weight and the time it was weighed. Weigh it just before dark, then again in the morning around sunrise. Continue this for a few days. Don't re-water your plant during this process. If it rains put it under cover. This will take a while, so plan to do this when you can be around to attend to it.

Record the plant's weight as it changes over time. If all goes right, the plant's weight will slowly decrease. This is a direct measure of transpiration because the only source of weight loss is from the water evaporated from the leaves and not enough growth will have occurred in a few days to have any effect.

Table 1. Summary results of transpiration demonstration.

Day	Average daytime transpiration rate (g/hr)	Average night time transpiration rate (g/hr)	Conditions
1	6.2	0.2	Clouds, sun breaks
2	2.3	0.4	Clouds, rain
3	3.4	0.2	Clouds, sun breaks
4	1.0	0.2	Clouds, rain
5	2.5	0.2	Clouds, rain

I did this for five days last spring during a time when we were experiencing low air temperatures, and alternating periods of rain and clouds with a few sun breaks. I recorded my results in Table 1.

Transpiration rate for the five days of the test varied from 1.0 to 6.2 grams per hour (g/h) for the plant. On Day 1 and Day 3 there were intermittent sun breaks. The average rate of transpiration on these days was 6.2 and 3.4 g/h. During the sun breaks, transpiration rate spiked to about 10 g/h, while during the rainy periods it was only 1 to 2 g/h. On Days 2, 4 and 5 it rained most of the day, humidity remained above 65%, and air temperature barely rose above 55F. Transpiration rate on those days was 2.3, 1.0 and 2.5 g/h, respectively. At night, transpiration varied between 0.2 and 0.4 g/h on all 5 days.



'Memphis Music'

Photo by Rich Baer
2015 PNW District Photo Contest

How do we interpret these patterns? First, the plant continued to lose water throughout the test period indicating that transpiration continued, at a low rate, in spite of the cold, humid conditions. But transpiration did increase sharply during two periods of bright sun (confirmed by my weather station data). This probably occurred because the sun heated the leaves, increasing their internal vapor pressure, while decreasing the RH of the outside air. This would increase the value of "E" in our transpiration equation¹. It may have also caused an increase in stomatal opening (decreasing R) – but we have no measurement of that.

(Continued on page 14)

(Continued from page 13)

At night, transpiration nearly stopped. There are three reasons for this: (1) stomata responded to darkness by closing, (2) high RH did not provide enough evaporative power to drive appreciable transpiration, or (3) both. We have no measure of stomatal resistance, but our weather station data do show that nighttime humidity was very high on all five nights. While daytime RH was in the range of 60 to 80%, nighttime RH always exceeded 90% and often approached 100%.

The fact that some transpiration did occur at night suggests that the stomata remained somewhat open in the dark. Another possibility is that the stomata may have closed tightly in the dark, and the small amount of transpiration that occurred was “cuticular” transpiration. That means evaporation occurred through the epidermis of the leaves – bypassing the stomata. We have no way of measuring this, though, so we can only speculate.

The fact that the rate of transpiration on Day 5 was about the same as on Days 2, 3 and 4 suggests that the plant was, at this time, still well supplied with water and not under appreciable water stress – which would have caused stomatal closure and a sharp reduction in transpiration. But, again, we didn’t measure water stress so this is only speculation.

We could have learned much more had the weather cooperated. I was hoping for several days of sunshine resulting in high rates of transpiration, depletion of soil moisture, and closure of stomata – but it didn’t happen. I may repeat this demonstration later in summer when things warm up, and perhaps write about it in an autumn issue of the *Northwest Rosarian*.

Have a great summer everyone! See you at the rose show.

1. Transpiration equation: $T = E/R$, where E is the evaporative demand and R represents the resistances to transpiration (Winter 2016, *Northwest Rosarian* page 6).



Rose Arrangement News

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

What a beautiful spring! Roses are coming on strong East of the Cascades. Arrangement judges and apprentices, please start planning your rose show trips now. Societies and dates are identified in the *Northwest Rosarian*. If you want to be invited to the shows, please make your name known to the Rose Show Chairs (or someone in the society to pass your name along), especially the apprentices.

New Arrangement Apprentices who need invites to Shows in 2016 (contact JoAnn for email addresses)

Patrick Adams, Portland, OR; Megan Barnes, Seattle, WA; Julie Coggin, Vancouver, WA; Deborah Erickson, Kalama, WA; Judy Fleck, Tigard, OR; Judy Heath, Vancouver, WA; Greta Hixson, Gig Harbor, WA; Cheryl McClain, Milwaukie, OR; Alicia Paradzik, Kelowna, BC, Canada; and Keith Ripley, Spanaway, WA.

Rose Show Schedule Review

The rose show arrangement schedules are starting to come in for our review. As you prepare your show schedules for 2016, please provide the arrangement section to JoAnn at jobrehm@outlook.com for a quick review. As always, ARS arrangers should offer assistance or be on the team for the arrangement portion of the show schedule.

Apprentice Arrangement Judges Mentoring Program

Our new ARS Arrangement Judging Chair, Nancy Redington, has identified a new *Arrangement Apprentice Progress Form* for use by all new apprentices. It includes interaction with the Mentor Judges, already accredited judges, and is partially included below.

(Continued on page 15)

(Continued from page 14)

Apprentice and Mentor Judges,

This is the form to be used for all Arrangement Apprentice Judge Progress Reports. It is to be filled out at the show and discussed with the apprentice at that time. Mentor judge, after signing, please return to Apprentice. To receive credit for apprenticing this show, it is necessary for the Apprentice to snail mail, or scan [cell phone pic] and copy this form providing one copy for Peggy Spivey at the ARS office, one copy for the National Chair Nancy Redington and one copy for the Mentor Judge.

The new ARS apprentice reporting form in full will be located on the PNW web at pnwdistrict.org, under 'Rose Arrangements,' as at this time it doesn't appear to be available from the ARS web site. **Please send me a copy of your forms also, jobrehm@outlook.com, so I can help in case they get lost. It wouldn't be the first time!**

REMINDER If you are a new arrangement apprentice, and have not taken the horticulture judging school, you need to do that in 2016 when it is scheduled. Bruce Lind and Jim Linman will be conducting the next horticulture school in 2016 so please read their column in this month's Northwest Rosarian and plan to attend.

Accredited Rose Arrangement Judge Requirements (Chapter 19 of Guidelines for Judging Rose Arrangements)

To maintain status as an Accredited Arrangement Judge of the American Rose Society, the following requirements must be met:

1. Maintain continuous membership in ARS.
2. Judge in at least five arrangements divisions of ARS shows conducted under ARS rules during the four year period of certification, and also must have entered arrangements in at least three different shows in each four year period. Entries in Judges' class of a show are acceptable for the number of required entries.
3. Attend an approved ARS Seminar/Workshop or Arrangement Judging School as an auditor or instructor within a four year period of certification. **(PNW – attendance at the annual Fall Arrangement Seminar gives you 2 credits, but you need 4 credits within the 4 year period of recertification. Attending the fall arrangement seminars will be a sure bet for maintaining your qualification. This year it will be Friday October 28th, 7 – 9 pm at the PNW District Fall Conference, Vancouver, WA)**
4. Must be alert to and adopt changes in judging rules.
5. Report judging activities to the District Arrangement Chairman. **(PNW – annually by January the following year)**

More information on arrangement judging, including photos, the new ARS apprentice reporting form and an annotated point-scoring sheet are located on the PNW web at pnwdistrict.org, under 'Rose Arrangements.'



'Folklore'

Photo by Jim Linman
2015 PNW District Photo Contest



Fort Vancouver Rose Society

63rd Annual Rose Show

Saturday, June 4, 2016

Vancouver Church, 3300 NE 78th Street, Vancouver, WA 98665

Sunshine & Roses

The Fort Vancouver Rose Society will hold its 63rd Annual Rose Show, "*Sunshine & Roses*," on Saturday, June 4, 2016. This event, free and open to the public, is the largest rose in the State of Washington and the second largest in the country.

This year's show will include **exhibits by members of the Pacific Northwest District of the American Rose Society**. Doors to the public open from 1 p.m. to 4 p.m., with entries from all rose growers accepted from 7:00 a.m. to 10:15 a.m.

The show will be held in the Multipurpose Room (off the sanctuary) at the Vancouver Church (*First Church of God*), 3300 NE 78th Street in Vancouver, Washington 986695.

Questions? Contact Margaret Snitzler at 360-695-0456 or Louis Rossetto at 360-573-8033, co-chairs of the Fort Vancouver Rose Society 2016 Rose Show.



FVRS 2016 Rose Show • Saturday, June 4, 2016

REGISTRATION FORM

For exhibitors from the

Pacific Northwest District of the American Rose Society

In order to exhibit in the Pacific Northwest District show classes at the Fort Vancouver Rose Society 2016 Show, exhibitors must be members of the American Rose Society and registered for the show.

To register, complete and send this form by Tuesday, May 24th with a \$20 registration fee (includes lunch*) check made payable to the Fort Vancouver Rose Society to:

Margaret Snitzler, 4320 NE 49th Street, Vancouver, WA 98661

NAME: _____

Address: _____

Phone: _____ Email: _____

Name of your local Rose Society: _____

*NOTE: Please check if you have either of these dietary requirements: Vegetarian Gluten Free

District Show—Where to Stay?

A block of 10 rooms at Heathman Lodge has been secured for District members to book a room, if they so wish, on the Friday evening (June 3rd) before the FVRS Rose Show of June 4, 2016.

The room rate at \$149 for the night of Friday, June 3rd, is (I was told by the sales manager at the Lodge) approximately \$30 less than the rate of the same room for that time of the year. District members who wish to book one of these rooms are to make their own guest room reservation by calling [1-888-475-3100](tel:1-888-475-3100). They need to acknowledge the name of the group (Fort Vancouver Rose Society) and request the group rate (\$149) when making their reservations. Check in is at 4 p.m. on the 3rd and checkout time on the 4th is 12 noon. Cancellation of a reservation needs to be within 24 hours prior to the 4 p.m. check in time to avoid a cancellation charge.

Deadline for making a reservation for any of these 10 rooms blocked for our show is Friday, May 13, 2016. Individual District members will be responsible for his/her room, applicable tax and incidental expenses.



'Arrangements-Coquille Rose Show'

Photo by Judy Berge
2015 PNW District Photo Contest

'Prairie Lass'

Photo by Elena Williams
2015 PNW District Photo Contest



2016 Photo Contest

Harlow Young, Chairman



Many in the District have participated over the years, making the PNW District Rose Photo Contest a fun and successful annual event. The Attendees at the Fall Conference look forward to seeing the PowerPoint presentation containing all the photographs during the lunch hour, the winning photos on the silent auction tables, and 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 15, 2016.

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.

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: threekids@charter.net. It is important that you include your name, address, 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 15, 2016.** 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.



'Step Up'

*Photo by Carolyn Finch
2015 PNW District Photo Contest*

If there are questions regarding any part of the contest rules, please contact Harlow Young: threekids@charter.net

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 a registration form for the 2016 District Show in Vancouver, WA? 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.

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.

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

Editor's Notes

Judy Heath, Editor, Northwest Rosaria



Congratulations to all of you who got your roses cut back in a timely manner this Spring. I never managed to do this job. I gave up thinking that I was going to prune them when I saw that the rose bushes already had many buds on them. With all the sunny weather, they are now fully filled out and bursting with blooms. I will be on the second flush of blooms by the time the rose shows come around.

Many of my bushes are over 5 feet tall and quite beautiful. However, many of them lost their lower leaves last summer due to blackspot. My rose girls are all standing in the garden, holding their long green dresses up as little to show off their naked ankles.



I am beginning to think that many of our societies here in the Pacific Northwest may need to rethink the timing of their rose shows, that is if all parts of the northwest District are experiencing the same kind of early warm springs like we have had here in Vancouver, WA the last few years. The window of time when it is warm enough for pruning of the roses and the temperature rising into the 70s and 80s seems to be shrinking.

'Sangria'

Photo by Sue Tiffany

2015 PNW District Photo Contest

Join The American Rose Society

ARS Trial Membership Program

Free 4-month trial membership All **new** local society members. New members – be should make sure that the society you are joining sends your contact information to Laura Seabaugh. That will automatically enroll you for 4 months.

\$5.00 4-month trial membership This is for all **existing** local society members **and** anyone who fills out a form at a local society event. If Joe Smith attends an event and fills out a trial membership application, even without joining a society, he can still take advantage of the 4-month trial membership for \$5.00.

\$10.00 4-month trial This membership is available for the general public. This is on the website (www.rose.org) Interested people can sign up on the website or by calling ARS at 1-800-637-6534.

Four -Month Trial Members receive:

American Rose Magazine You will receive 2 issues of this nationally acclaimed magazine as part of your membership. \$16.00 value

On-Line Access to ARS Quarterly BulletinsThe Mini/Miniflora Bulletin, Old Garden Rose & Shrub Journal, Rose Arrangers' Bulletin, Singular Beautiful Roes and Rose Exhibitors' Forum are available free to all ARS members \$45.00 value

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Ann Gibson National Chair Marketing/Membership Committee,
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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.](#)



'Eva Gabor'

Photo by Michael House

2015 PNW District
Photo Contest



'Roses on the River'

'Love and Peace'

Photo by Judy Berge

2015 PNW District Photo Contest

ARS Has a New Web Address!

www.rose.org



Join or Renew Today!! ARS Membership Benefits

Have you let your membership lapse or are wondering if your ARS membership is worth the dues? Check out these benefits of being an ARS member.

Because of my membership in ARS, I have many resources to use in expanding my knowledge of the rose.

- ◆ Five issues 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 subscription to *Better Homes and Gardens* magazine.** A member benefit from the [American Public Gardens Association](#) Gardens & Institutions members. Available to new and renewing members with ARS

A \$130+ value for only \$49

Free online access to Modern Roses 12. (see below)

Go to www.rose.org and sign up today!!!

New Benefit for ARS Members

Modern Roses database
(<http://www.rose.org/members-only-2/>)

This data base 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 password 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").

Have You Considered Giving ARS a Donation?

Your Gift Will Make a Difference!!

The generosity of donors like you provides ongoing annual support for the American Rose Society's member focused programs and services.

Planned gifts help to ensure the future of our 123-year-old organization, the oldest, national, single-plant horticultural society in the country. Its mission is the promotion and appreciation of America's National Floral Emblem, the rose.

"As with most membership organizations, dues from ARS members make up less than 40 percent of our annual operating budget. In order to accomplish our mission, we must raise the remainder of funds from business operations and **through contributions**. With the leadership of key ARS volunteers, the Annual Fund has grown from a mere handful of dedicated donors to hundreds of individuals who give generously to support the important work of ARS." (*Laura Seaburgh, Executive Director*)

NEW: Join our "Perpetual Bloomers" Club

You can give a one-time donation or support the ARS throughout the year with a recurring donation.

Choose your donation amount, choose the frequency; monthly or quarterly, and you're done.

A **Donor** pin per donation will be sent to those donating at the \$100 to \$199 Donor level in a given year.

A **Patron** pin per donation will be sent to those donating at or above the \$200 Patron level in a given year.

Use the 'Donate' Tab on the ARS home screen to schedule your donation!

PNW DISTRICT CHAIRS

District Director:

Gretchen Humphrey
12385 SW 121 Ave
Tigard, OR 97223-3126
(503) 539-6853
ghumphrey25@yahoo.com

Asst. District Director:

Mike Peterson
208 Elma Pl SE
Renton, WA 98059-4966
peterston1616@yahoo.com

Secretary: Barbara Lind

2132 Bridgeport Way
University Place, WA
98466-4824 (253) 565-0246
barbaralind@mac.com

Treasurer: Beage Kiley

2218 Vista Ave SE
Olympia, WA 98501-3829
beage.kiley@comcast.net

Prizes & Awards Chair:

Lynn Schafer
41108 S Bourne Road
Latah, WA 99018-9508
(509) 286-3655
lynschafer@gmail.com

Horticulture Judging

Co-Chairs: Bruce Lind
2132 Bridgeport Way
University Place, WA
98466-4824
(253) 565-0246
lindbruce@mac.com

Jim Linman

8015 SW 62nd Place
Portland, OR 97219-3120
(503) 927-4728
ijlinman2@gmail.com

Rose Arrangements Co-Chairs: JoAnn Brehm

1113 Saddle Way
Richland, WA 99352-9640
(509) 627-0577
jobrehm@outlook.com

Jim Sadler

1220 Clements RD
Missoula, Montana 59804-2908
406-728-4743
sadlerjim@msn.com

Consulting Rosarian

Coordinators: John Moe
830 S 373 Street
Federal Way, WA
98003-7400
(253) 815-1072
mjmoe@seanet.com

Elena Williams

9110 Roy Rd.
Bremerton, WA 98311-9313
(360) 620-2642
minirose@comcast.net

Roses in Review

Coordinator:
Jason Fredette
5614 Prentice St.
Seattle, WA 98178-2245
jasonfredette1@hotmail.com

Northwest Rosarian

Editor: Judy Heath
5418 NW Franklin Street
Vancouver, WA 98663
(360) 281-7270
rosemom@heathfamily.us

District Entry Tags:

Charold Baer
8039 SW 62nd Place
Portland, OR
97219-3120
(503) 246-
3087superenal@aol.com

Webmaster:

Dr. Deborah Erickson
PO Box 1866
Kalama WA 98625
360.790.6042
deborah@deborahericksonphd.com

Membership Chair:

Katherine Johnson
4832 N. Girard St.
Portland, OR 97203
(503) 289-4894
dkjohnson@msn.com

Please notify me of any changes or updates - *Judy Heath*
rosemom@heathfamily.us

PACIFIC NORTHWEST DISTRICT SOCIETIES

ALASKA

Alaska RS
Anchorage, AK
Debbie Hinchey
(907) 278-2814

MONTANA

Missoula RS
Missoula, MT
Patricia Waylett,
President
(406) 549-3538

BRITISH COLUMBIA

Fraser Pacific RS
Coquitlam, BC, Canada
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Corvallis RS,
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President
(503) 777-1421

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Michael Caballero,
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Heritage Roses NW

Kent, WA
Judy Miller, President
(253) 355-0366

Kitsap County RS

Bremerton, WA
Elena Williams,
President
(360) 620-2642

Olympia RS,
Olympia, WA
Jack and Beage Kiley,
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(360) 754-4937

Puyallup RS,
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(509) 466-4205

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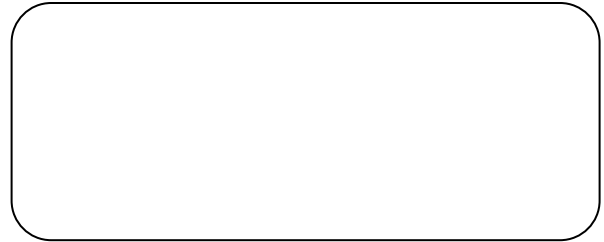
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Genie Crowe,
President
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Bulletin of the
Pacific Northwest District
of the American Rose Society
5418 NW Franklin St.
Vancouver WA 98663



Address Service Requested

Volume 65
Spring 2016
Number 2



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

The *Northwest Rosarian* is published 3 times a year. It is distributed free to members of the American Rose Society and a local Pacific Northwest District society. Individual copies are \$3.50 U.S.; one-year subscriptions are \$10.00, U.S. funds.

Send subscriptions to:
Pacific Northwest District ARS,
2218 Vista Ave. SE, Olympia, WA 98501-3829

Send address changes to:
Judy Heath,
Northwest Rosarian,
5418 NW Franklin St. Vancouver, WA 98663