



The Bee Line

Volume 48

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November–December 2023

Newsletter of the Oregon State Beekeepers Association

The Tillamook Burn

W. L. Arant



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OREGON MASTER BEEKEEPER PROGRAM

A Joint Venture of OSBA and the Oregon State University Extension Service
info@oregonmasterbeekeeper.org

Image above: All best wishes of the the season for the new year, everyone!!

For items left behind at Riverhouse Convention Center in Bend after the 2023 Fall Conference, please contact Joe Maresh at 503.703.5060.

Note: Reprinted with kind permission from *American Bee Journal*, April 1935, pages 170–171.

As we mark anniversaries, the 90th of “The Burn” and the 50th since designation of the Tillamook State Forest, this article raises in relief the tremendous changes that have taken place throughout the region during the intervening years: Changes in the landscape; in land use, development, and ownership; in technology; in beekeeping practice; and more. Further, we have experienced broad changes in perspective given awareness of recent fires and those to come.

The great fire in the Oregon coast mountains in August, 1933, has occasioned many inquiries concerning the future possibilities of the region for fireweed beekeeping. This fire, it may be recalled, was one of the worst in the history of western forests. Started by a friction spark, fought by 1500 men for ten days, then breaking all bounds and sweeping 40 miles in one day, it did not stop until it had covered 225 square miles and killed 11,000,000,000 feet of virgin timber.

The fire was followed by ideal weather for the flight of fireweed seed, and it was easy to imagine the entire area covered with a thick stand of fireweed plants, capable of supporting some 50,000 colonies of bees. This prospect let us to investigate. After making excursions into this burn from all sides we are forced to conclude that Nature has here given the beekeeper a hard nut to crack.

As for fireweed, much though not all of the burned country was well seeded. The only handicap on this point was the dry season of 1934 which caused the young plants to suffer for lack of moisture. Steep slopes, rocky and shallow soils, and places where the fire was so hot as to burn the humus from the soil are bare, but the moist canyons and stretches having good deep soil are covered with young plants. Taking it all together there will be much fireweed in the wake of the big fire. But the matter of reaching and utilizing [t]his bee pasture presents serious obstacles.

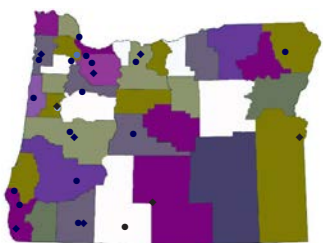
The most formidable difficulty at present is the lack of any roads over which bees could be hauled. An occasional road has been opened to the edge of the burn, but with one exception they are so narrow, crooked, steep and rough that they are barely passable with a light car of short wheel base and high center. The only road that passed through the region of the fire was a pioneer stage road, almost unbelievably difficult for either horses or cars. This road is closed since the fire and the resulting wind threw hundreds of large trees across it, as well as burning the bridges. The heavy rains of the following winter added their toll by causing slides of earth which took sections of the road away. Incidentally this region has the highest average annual rainfall of any point in the United States, according to the Federal weather bureau.

The general route for the foregoing (Wilson River) road has been surveyed for a state highway, and a few miles at the western end have been graded, but no funds are in sight for completing the road in the near future. The present grading, however, reaches to the burn, and will be used by logging trucks to haul out some of the dead timber. It connects with the Coast highway (U. S. No. 101) and will be a good road so far as it goes.

If roads were available it would still be a problem to find apiary sites so rough and steep are these mountains. One may judge of the topography from the fact that the short Tillamook railway crossing these mountains a few miles to the northward has thirteen tunnels in its construction. Such sites as may be suitable for a camp may be poor from the standpoint of fire protection. For this whole region is more inviting to fire than before the original

Continued on page 16

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Mureen Walker—541.373.7997; mureen98@gmail.com

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Portland Metro

Amanda Shaw—503.740.2913; beekeeperconfidential@gmail.com

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Christy VanRooyen—541.885.0959; vanrooyen.christy@gmail.com

Southwestern Oregon

Andrew Watson—boradabeedoc@gmail.com

North Willamette Valley

Nathan Richard—mnmrichard@gmail.com

South Willamette Valley

Open

• AFFILIATED REGIONAL ASSOCIATIONS

Central Coast Beekeepers Association

Meets 1:30 PM, fourth Wednesday, Newport
Co-Vice President: Pat Wackford—pwacky@charter.net
Website: www.ccbaor.org

Central Oregon Beekeepers Association

Meets 6:00 PM, third Tuesday, Bend
President: Allen Engle—aengle@bendbroadband.com
Website: www.cobeekeeping.org

Columbia County Oregon Beekeepers

Meets 6:00 PM, first Thursday, St. Helens
President: Linda Zahl—503.799.7073

Columbia Gorge Beekeepers Association

Meets 6:15 PM, third Wednesday, Hood River
President: Jerry Frazier—jerry1.frazier@gmail.com
Website: gorgebeekeepers.org

Coos Beekeepers Association

Meets 6:00 PM, fourth Thursday, Myrtle Point
President: Ann Marineau—annmarineau@gmail.com

Klamath Basin Beekeepers Association

Meets 9:00 AM, last Saturday, Klamath Falls
President: Lorena Corzatt—541.892.8402
Website: www.klamathbeekeepers.org

Lane County Beekeepers Association

Meets 6:30 PM, third Tuesday, Eugene
President: Fonta Molyneaux—wildeverlastingfarm@gmail.com
Website: www.lcbaor.org

Linn Benton Beekeepers Association

Meets 6:30 PM, third Wednesday, Corvallis
President: Steve Oda—steve@lbba.us
Website: www.lbba.us

Oregon Prison Beekeepers

Program Manager: Chad.E.Naugle@doc.state.or.us

Oregon South Coast Beekeepers Association

Meets 6:00 PM, third Thursday, Gold Beach
President: Maarten Van Otterloo—maartyvo@gmail.com

Portland Metro Beekeepers Association

Meets 7:00 PM, second Thursday, Gladstone
Pres: Paul Stromberg—president@portlandmetrobeekeepers.org
Website: portlandmetrobeekeepers.org

Portland Urban Beekeepers

Meets 7:00 PM, first Wednesday, via Zoom
President: Brent Hiraak—president@portlandurbanbeekeepers.org
Website: portlandurbanbeekeepers.org

Southern Oregon Beekeepers Association

Meets 6:30 PM, first Monday, Central Point
President: Noah Clipp—noahtitus@gmail.com
Website: southernoregonbeekeepers.org

Tillamook Beekeepers Association

Meets 11:30 AM, second Saturday, Tillamook
President: Brad York—dbradleyork@gmail.com
Website: www.tillamookbeekeepers.org.

Tualatin Valley Bee Keepers Association Inc

Meets 6:00 PM, last Tuesday, virtually-North Plains
President: Debby Garman—tualatinvalleybeekeepers@gmail.com
Website: tvbabees.org

Umpqua Valley Beekeepers Association

Meets 6:00 PM, first Wednesday, Roseburg
President: Adrian Aramburu—adrockz@msn.com
Website: www.umpquavalleybeekeepers.org

Wallowa County Beekeepers Association

Meets 6:30 PM, last W (F,A,J,A); first W (N), Enterprise
Co-President: Nelda Murri—509.540.4733

Willamette Valley Beekeepers Association

Meets 7:00 PM, fourth Monday, Salem
President: Richard Farrier—rfarrierfarms@gmail.com
Website: wvbahive.org

Message from the President

Hello, fellow beekeepers.

This year has been flying by and winter will soon be upon us. This week I covered my hive for the winter and will hit them with oxalic acid vapor later this month and then again right before X Mass. The state conference, in Bend, was very successful thanks to the efforts of Jeremy Mitchell, Becca Fain, and many others. The conference was well attended with 252 folks in person and 13 via Zoom for a total of 265. Preliminary conference income was \$39,450 before expenses, with \$30,735 in donations raised.

Jeremy Mitchell decided not to continue as vice president of the OSBA, and I personally want to thank him for a job very well done and wish him well on his endeavors. At the OSBA membership meeting, Tom Cinquini was elected vice president and Amanda Shaw was elected as the Portland Metro representative. The rest of the officers from 2023 will continue on for 2024. Jan Lohman was selected as an honorary life member of the OSBA for her service to the beekeeping community.

I hope you all have a wonderful holiday season.

Joe Maresh

Thank You and Welcome, OSBA Directors on Board

As we continue work on current issues and meet with the demands of the near future, we find changes in the group's constitution and bylaws as well as those who provide leadership and guidance. Appreciations go to all who are continuing, to outgoing Vice President Jeremy Mitchell, and to outgoing regional reps: Tom Cinquini, Portland Metro, and Tim Wydronek, South Willamette Valley. Tom Cinquini has been elected to carry on vice president responsibilities, and Mandy Shaw has been elected to fill (figuratively!) Tom's regional rep shoes. We welcome you both as we look forward to a fine 2024!

Before meeting his now wife, Tom Cinquini did not know beekeeping was even a thing. At the time, Tom was working as an artist specializing in cast glass after earning his degree in fine arts from Pacific University in Forest Grove. But, when new construction projects slowed in 2008, Janell was able to convince her father, Chuck Sowers, a former OSBA president, to hire Tom. It was part time at first, but by 2010, when they got married, Tom was working full time for Sowers Apiaries.

In 2012, although Chuck survived a massive heart attack, he was unable to do all that he had done before. Tom reluctantly stepped into running the company after Jeanne, his mother-in-law, told him they would have to sell if he did not. After Chuck passed away, Tom and Janell purchased Sowers Apiaries from Jeanne on January 1, 2020.



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Today, Sowers Apiaries is bigger than ever. The business includes pollination contracts as well as the sales of nucs, honey, and wax. Tom enjoys being a part of the beekeeping community who helped him so much when he started running the business. He hopes to see it continue to grow.

Amanda (Mandy) Shaw has been an urban beekeeper since 2016, and during this time she has served for many years as both treasurer and president of Portland Urban Beekeepers. Mandy firmly believes that beekeeping associations and the learning and gathering opportunities that they provide are the lifeblood of our vibrant beekeeping community.



In 2018, Mandy launched the Beekeeper Confidential podcast which is an exploration of how working with bees impacts our lives. Mandy's backyard apiary is host to several hive styles, including a wild tree hive, but she also keeps production apiaries with Langstroth hives. She delights in the continuous learning opportunities that bees provide!

A creative entrepreneur by nature, Mandy also designs and manufactures beekeeping apparel. When she isn't beekeeping or working, she enjoys gardening, family time, photography, and getting out and exploring Oregon.

Fall Conference Appreciation!

Thank you to everyone who attended the 2023 OSBA fall beekeeping conference at the Riverhouse Convention Center in Bend this year! We had an amazing turnout this year with 265 registered attendees! The Conference presenters were excellent, and we had a great showing of exhibitors from across the country. The food was delicious and the company couldn't have been better. I met beekeepers from Oregon, Idaho, Washington, New



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Mexico, Florida, and Canada at the Conference this year!

What I am most proud of this year is the incredible amount of money raised for bee research. The OSBA affiliated associations donated \$20,700 to the OSU Honey Bee Lab. A record \$30,735 was raised from the silent and live auctions!!! Together we raised over \$50,000 for bee research!

I would like to give a special thank you to Paul Stromberg, president of the Portland Metro Beekeepers Association, Allen Engle, president of the Central Oregon Beekeepers Association, Connie Axlerod with the Central Oregon Beekeepers Association, Delsey Maus of Flying Bee Ranch, and Rebecca Fain, OSBA treasurer, all volunteers who went above and beyond to make the 2023 Fall Conference such a success! I hope to see you all next year at the 2024 Fall Conference!

Jeremy Mitchell



THANK YOU, VOLUNTEERS!

Clara Kuhn, Central Coast Beekeepers
 Delsey Maus, Flying Bee Ranch
 Allen Engle, Central Oregon Beekeepers
 Barbara Derkacht, OSBA Secretary
 Connie Axlerod, Central Oregon Beekeepers
 Linda Jensen, Central Oregon Beekeepers
 Debbie Gomes
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 Mandy Shaw
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Photos credit: Mureen Walker



Reminders!

Membership: If your membership expiration date is 2023, this is a good time to consider renewing your membership in OSBA. We have so much to do in the year ahead! Join us online at: <https://orsba.org/product/join-renew-osba-membership/> or by mail with the form on page 17.

Swarm Call: Thank all of you for your community service in collecting swarms and educating folks about the bees this year! The 2023 Swarm Call List will be emptied soon to ensure that those listed during the season to come are active and available. We look forward to hearing from you when the list opens again in spring 2024.



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BEEKEEPER EVENTS

— 2023 —

November 14–16: **2023 California State Beekeepers Association Annual Convention.** Hilton Orange County/Costa Mesa, Costa Mesa CA. *Information:* <https://www.californiastatebeekeepers.com/annual-convention/>.

— 2024 —

January 9–12: **American Beekeeping Federation Annual Conference & Tradeshow.** New Orleans Marriott, New Orleans LA. *Information:* <https://abfnet.org/2024-abf-conference-frame/>.

June 17–23: **Pollinator Week 2024.** *Information:* <https://www.pollinator.org/pollinator-week>.

August 5–9: **EAS 2024.** Turf Valley Resort, Ellicott City MD. *Information:* easternapiculture.org/conference/eas-2024/.

August 16: **National Honey Bee Day!**

September 28–29: **WASBA Pacific Northwest Beekeeping Conference.** Olympic Hotel at Capitol Lake, Olympia WA.

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Keeping Bees in November–December

Morris Ostrofsky

As we approach late fall and early winter, there are a number of management tasks we should consider. By this time you have done your fall inspection and the bees are settling in for the winter. Combining weak colonies is preferable to trying to keep each one going through winter. Joining two weak colonies versus adding a weak colony to strong is preferred. My suggestion is to use the newspaper method to do this. Perforate the newspaper in two or three places to give the bees a place to start chewing. Don't forget both colonies need ventilation while being combined.

If you have not already done so, remove queen excluders, and add mouse guards.

While counterintuitive, it is not the cold but moisture that should concern us. As Rusty Burlaw of Honey Bee Suite (honeybeesuite.com) says, there is a big difference experiencing a cold day with dry gloves versus wet. Wet gloves can lead to frostbite while dry gloves keep you comfortable. The air temperature is the same, but the moisture is the difference.

With that being said, think about this as you prepare your hives for winter. There are various ways to absorb excess moisture from the hive. I have found the use of an insulated/moisture box containing burlap or other absorbent material, such as old towels, to be very effective. The insulated/moisture box serves a dual purpose: It absorbs moisture and keeps the bees dry.

Start with a box that has the same footprint as a standard box. Then add 1/8-inch screened ventilation holes on the sides and cover the bottom with 1/8-inch hardware cloth to keep the absorbent materials in place. Drill a 1-inch diameter hole in each of the four sides of the box. The holes allow some air flow.

Position the box just under the outer cover. Check the absorbent materials once or twice over the winter and replace them as needed. It is fun to see what you find in the insulation box in spring. I have found mushrooms, worms, and even a frog. Early spring is when I remove the insulation box.

Currently there is a change in opinion regarding the need for water retention in the hive during winter. Colonies need water during the winter. Bees need water to dilute honey and all other phases of digestion. Placing an insulating material such as pink board below the outer cover keeps the top of the hive warmer than the sides of the hive. This in turn causes water to condense on the sides of the hive. This provides an easy source of water for the bees during the winter. I have used this method for the last two years, and it seems to work well.

There is not a 100% agreement on the value of an upper winter entrance. However, I no longer recommend an upper entrance due to the chimney effect and heat loss. Warm air is lost through the upper entrance and is replaced by cooler air coming in from below. The sticky board can also be used for additional moisture control. The objective is to provide ventilation while at the same time helping to block cold winter winds. Push it in roughly half way under the screened bottom board. This position is similar to what would be done for a mite count except it is pushed in halfway rather than all the way.

By November the bees should have stored approximately 80-100 pounds of honey. Less than this amount signals that continued feeding is necessary. Note that this fall has been much warmer than normal. The bees may be consuming some of their winter stores. Keep an eye on the hive weight and feed as necessary.

According to the late Ann Harman, a popular contributor to *Bee Culture*, when daytime temperatures are consistently lower than 57°F, we should switch from a liquid to a solid feed. At this temperature, the bees have a more difficult time metabolizing sugar water and evaporating off excess moisture in the syrup. This is the time for solid feed. I like to use no cook candy. Rusty's Honey Bee Suite site has a recipe for no-cook candy. I find it a simple and effective way to feed the bees during winter.

During fall/winter, the temperature occasionally reaches 50°F or more. You should see your bees out doing cleansing flights. On these days, if you notice that a hive is inactive, it warrants closer examination. Lightly tap the side of hive and listen for a response. If you find the hive is a dead out, a necropsy is in order. Try to determine why it failed. If you have any doubts, see if you can get a more experienced beekeeper to help. Bee Labs such as Oregon State University and Beltsville, Maryland, can also be used to diagnose American foulbrood and other diseases.

Hive entrances should be reduced this time of year to prevent robbing. You can easily make one yourself by using an appropriate size piece of wood. I like to block two-thirds of the entrance. It is easier for the guard bees to control a smaller entrance to the hive.

A mouse guard will prevent mice from using your hive as a warm, winter hideout. You can either purchase a mouse guard or make your own with 1/2-inch hardware cloth. The spacing of the hardware cloth allows bees to pass through but stops mice. The entrance should also be periodically checked to make sure it is not plugged with dead bees. The undertaker bees don't carry bodies out very far when it is cold; they can pile up at the entrance.

December provides a late-season window of opportunity to deal with Varroa mites. After Thanksgiving the colony should be broodless. If your mite counts are still above 1%, this is when you can use oxalic acid because there is no brood that it can harm. This can be your final safety net for the year. I recommend using vapor application rather than dribble. With the dribble method the bees have to consume the material to remove it from the hive. Consumption of oxalic acid is not recommended.

For the last several years I have used oxalic acid resulting in mite counts at almost zero percent the following spring. Please keep in mind that, while oxalic acid is a great tool, it must be used at the appropriate time of year and safely. I suggest visiting Randy Oliver's website www.scientificbeekeeping.com for the latest application updates. Whatever method you choose, follow the directions exactly.

Once the bees are tucked in for the winter, it is a good time to evaluate what you learned this year and make plans for next. Winter is also the time to build bee equipment and gizmos/gadgets. It is also a great time to read about bees and beekeeping and dream about spring.

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**Executive Meeting Minutes
October 27, 2023
Bend, OR**

Present: Joe Maresh, Becca Fain, Steve Oda, Mike Rodia, Jan Lohman, Brad York, Jeremy Mitchell, Allen Engle, Debby Garman, Linda Zahl, Tom Cinquini, John Jacobs, Paul Stromberg, Fonta Molyneaux, Bonnie, King, Marjie Ehry, Barbara Derkacht (Note: Leslie Lundgren attended but is not a member of the Executive Board.)

1. Meeting was called to order by Pres. Joe Maresh at 4:33 PM
2. Minutes of the previous meeting were accepted via motion by Debby Garman, seconded by Becca Fain.
3. Finance report (Jan 1-Sept. 30, 2023) from Becca Fain, treasurer
 - a. Balance Sheet
 - i. Current assets
4. Possible rewards for people who volunteer significant time at the conference

Many suggestions were made: free or reduced registration fee for conference, hotel room covered, meal expenses covered.

Brad York moved and Debby Garman seconded a motion that the titled officers come up with compensation for volunteers. Motion passed unanimously.

5. Jeremy Mitchell brought up the great number of hours (mostly falling during business hours) that are required to organize and put on the conference. Several suggestions were made to address this burden: hire an Executive Director for OSBA; create a committee to share the work. Jeremy established a Vice President's Handbook and a Conference Manual for future conference organizers. The Conference Manual will be available to the incoming Vice President in both print and electronic format.

6. Constitution and Bylaws changes

It was pointed out that these documents are legal documents; policies and procedures should address day-to-day operational information. The primary concern seems to revolve around how the suggested four Branch Directors serving on the Executive Board will be selected. After much discussion,

Mike Rodia moved and Jan Lohman seconded that the Executive Board recommend to the general membership to approve the changes to the constitution and bylaws. The motion carried with 15 yes, 1 nay, and 2 abstaining votes.

7. Allocation of funds for research

OSBA currently has \$26,000 to work with for funding research. After discussion, John Jacob moved and Becca Fain seconded a motion to give \$20,000 to the OSU Bee Lab; \$4,000 to Project Apis M; and \$2,000 to WSU Bee Lab. Motion carried unanimously.

8. Mike Rodia brought up funding needed to print more copies of Residential Beekeeping Guides. Becca Fain moved and Debby Garman seconded a motion to encourage clubs to contribute funds to this effort, but OSBA will fund any shortfall so that the full order of 2,500 copies can be made. (If clubs want their logo printed on the guides, contributions must be made by Dec. 1.) Motion passed unanimously.

9. Bonnie King reported on last summer's annual picnic – a lovely success. She suggested that clubs decide what they can do to have the picnic in different parts of the state, perhaps having club picnics in conjunction with the OSBA picnic. Please contact her with questions.

10. Stipend questions and considerations

Discussion centered around a job description for Rosanna's

position and asking her what a reasonable amount might be for what she's currently doing. The organization needs to figure out what jobs need to be done and deciding what these jobs are worth. It was also noted that Google Sheets could be used for membership and conference registration.

11. Mike Rodia attended the Oregon Livestock Council meeting which focused on emergency evacuation needs for livestock in case of emergency (fire, earthquake, etc.). Commercial beekeepers might already have a network that would help them in case of a catastrophe. Hobby beekeepers probably don't have that network and may need some help. Mike suggested that commercial beekeepers should get someone to attend these meetings; Tom Cinquini volunteered (was drafted) to do this.

12. Nomination for Life Membership (to be presented to general membership)

Joe Maresh would like to nominate Jan Lohman for life membership in light of all the considerable work she's done for OSBA. Linda Zahl moved and Paul Stromberg seconded a motion to present this nomination at the general membership meeting. Motion passed unanimously.

13. Two people were put forward to be presented to the general membership to fill two positions (in addition to the slate of people continuing in their current positions): Tom Cinquini for vice president; Amanda Shaw for Portland Metro Area representative. Barb Derkacht moved and John Jacob seconded a motion to endorse these positions. Motion passed unanimously.

14. Good of the order: Linda Zahl is starting/working on an OSBA Instagram account. She'll talk with Tom Cinquini about this.

15. Steve Oda moved and John Jacob seconded a motion to adjourn the meeting. Motion passed unanimously.

Meeting adjourned at 6:17 PM.

Respectfully submitted,
Barbara Derkacht

**Annual General Meeting Minutes
October 28, 2023
Bend, Oregon**

- President Joe Maresh called the meeting to order at 5 PM.
- Becca Fain moved and Debby Garman seconded the motion to dispense with the reading of the previous general meeting minutes. Motion passed.
- Finance Report – Becca Fain, treasurer
 - Becca reported that membership numbers are up, donations are coming in, and the conference is doing well; in summary, OSBA is in a favorable financial state. Total assets and income are well above expenses.
 - Donations from OSBA for research recommended by the Executive Board were accepted.
 - \$20,000 OSU Bee Lab
 - \$4,000 Project Apis M
 - \$2,000 WSU Bee Lab
- Vice President's Report – Jeremy Mitchell
 - Conference registrations, advertisers, and sponsorships are all up this year, and income from the conference could be about \$5,000 ahead of usual.
 - Planning is already underway for next year's conference.
- Grants and Foundations – Jan Lohman
 - NW Apiculture Fund for Honey Bee Research, Extension, and Education
 - 4100-160290
 - \$12,594.86 as of 9/30/23

- 6220-160290 \$113,509.42 as of 8/31/2023
- o OSU Apiculture Endowment Fund
 - 4100-160320 \$41,426.70
 - 6220-160320 \$77,091.75
- o Dr. Herman A Scullen Memorial Entomology Fellowship
 - 4111-198050 \$4,897.49
 - 6220-198050 \$75,353.33

• Constitution and Bylaws changes (each section was discussed and voted on separately)

[For text as voted on during the meeting, see: <https://orsba.org/wp-content/uploads/2023/11/Excerpt-from-Membership-Meeting-Minutes-10-28-23.pdf>.

Motions from that portion of the meeting were:

--Moved by Debby Garman, motion seconded by Brian Feckler to eliminate previous Article III. Motion passed unanimously.

--Moved by Jan Lohman, motion seconded by Lorena Corzatt to eliminate the above date. Motion passed unanimously

--Moved by Maarty Van Otterloo, motion seconded by Debby Garman to accept changes to Section 3. Motion passed unanimously

--Moved by Barb Derkacht, motion seconded by Mike Rodia to change treasurer duties as reflected above. Motion passed unanimously.

--Moved by Becca Fain, motion seconded by Mike Rodia to change Regional Directors section as noted above. Motion passed unanimously.

--Changes from Executive Committee to Board of Directors as noted throughout accepted without vote.]

• Nominations – Jason Rowan

o The slate for the Executive Committee

- President: Joe Maresh
- Vice President: Tom Cinquini
- Secretary: Barbara Derkacht
- Treasurer: Becca Fain
- Past President: John Jacob

o The slate for Regional Representatives

- North Coast: Rick Olson
- South Coast: Mureen Walker
- Columbia Basin: Bill Edwards
- Eastern Oregon: Jordan Dimock
- Portland Metro: Amanda Shaw
- South Central Oregon: Christy VanRooyen
- Southwestern Oregon: Andrew Watson
- North Willamette Valley: Nathan Richard
- South Wilamette Valley: unfilled

Moved by Jan Lohman, motion seconded by Mike Rodia to accept the slate as presented. Motion passed unanimously.

• Regional Reps' and Association Presidents' Reports

o Debby Garman – Tualatin Valley Beekeepers are doing well. They have a new president and new board members. They've had multiple field days and did a bee school with Columbia County Beekeepers. Master Beekeepers have been helpful. They've got 250 members and hold hybrid meetings.

o Linda Zahl – Columbia County is a small club and is delighted to have a vice president and secretary next year. They had good weather which contributed to a good honey crop.

o Maarty VanOtterloo – South Coast is having virtual meetings. They started the year well, but attendance has since dwindled. Because of June rains, it was not a very successful honey year on the South Coast.

o Ann Marineau – Coos County has 15-30 people at their meetings. This is a new group with both experienced and new

beekeepers. They have 3 training hives from which they got honey this year.

o Adrian Aramburu – Willamette Valley has about 60 members attending meetings, but has 200 on their mailing list. They need a treasurer and a vice president, but people are stepping up to fill these positions; there is a new secretary. They've had classes and field trips and have done outreach to schools and the community.

o Mureen Walker – Oregon South Coast beekeepers have had issues with mean bees (Africanized as verified by OSU and German black bees). They are concerned about roadway spraying affecting their bees and have requested a spray schedule. They had very few over-wintering bees and were late getting packages and nucs. They did a Bee Day for home school students.

o Allen Engle – Central Oregon Beekeepers are very excited for the conference to be held in their area of the state. They have many good local speakers and have gotten consistent support from OSU. The Master Beekeeper program is really helping them.

o Lorena Corzatt – Klamath Basin still has a president but wants to build a board. They've spread bee education through schools, farmers' markets, hospital volunteers. OSU supports them with speakers. They, too, have issues with spraying as the one person in the county who does the spraying did it when foliage was in full bloom this year, which impacted the bees badly.

o Brad York – Tillamook Beekeepers 181 members took on a huge project this year: building a public apiary and garden. They had 75 bee suits in many sizes donated, so they can suit up people small (think school classes) and large. The property for this project was donated to them and a 4 month fund raising effort brought in enough money to start the project. It was a good honey year, and they have hive dives every Saturday during bee season. KOIN TV even came out and filmed.

o Rick Olson – North Coast had a great honey year because there was sun early in the season.

o Jordan Dimock – Eastern Oregon talked with the small group in Wallowa County through one of Jordan's managers. Perhaps they can help each other.

o Paul Stromberg – Portland Metro has 275 members and had a great year. The group buys in bulk to pass savings on to the members. They had a bee school, a queen rearing class, and a very successful Bee Day.

• Residential Beekeepers – Mike Rodia reported that OSBA is out of the Residential Beekeeping Guides, and we need more. This helps beekeepers know the rules in their area. His role is as an interface between beekeepers and city or county conflicts. For example, in Brownsville, the city manager outlawed bees and beekeepers within the city. Mike went down, talked with them, and got that rule changed. In Sheridan, there was a ban on bees and livestock in the city. Mike is making a point that beekeeping in the city is not farming, and bees in backyards aren't livestock. There seems to be something brewing in Molalla that he will address soon.

• Activities Director – Bonnie King was not present.

• Life Member Nomination – as encouraged by the Executive Board, Jan Lohman was presented for Life Membership. As she has worked tirelessly for OSBA, serving as president for 3 years and writing the grant that started the Master Beekeeping program among a host of other services, Jan was cheerfully awarded this honor.

Moved by Becca Fain, motion seconded by Dave Gomes, to adjourn, the meeting was unanimously adjourned at 6:04 PM.

Respectfully submitted,
Barbara Derkacht

Reports from the Western Apicultural Society Northern Lights Bee Conference

The Western Apicultural Society held its fall conference in Calgary, Canada, during the last 3 days of September. I drove to Calgary from my home in NE Oregon through Bonners Ferry, Idaho; the Kingsgate boarder crossing; and over Crowsnest pass and into the vast grassland prairies of Alberta. The drive was spectacular with fall colors at the peak of their brilliance. Side trips to the Franks Slide interpretive center and a trip further north with lunch in Jasper were both well worth the drive. Wildlife spotted along my route included a white wolf and a heard of elk, but not a single beehive or bee yard was seen.

The conference was exceptionally well organized and featured Canadian- and American-based speakers, a honey show, a silent auction, a room full of vendor exhibits, Friday “workshops”, Monday honey bee related bus tours around Calgary, an evening banquet, and much more. The conference was held at the Grey Eagle Resort located on the Tsuut’ina (pronunciation: ‘2-tina’) Nation. The conference coincided with the Canadian National Day for Truth and Reconciliation (“Orange Shirt Day”), a holiday to honor survivors and recognize the legacy of the Canadian Indian residential school system, and the conference opening session respectfully paid tribute to the Indigenous people of the area, many of whom are beekeepers. Among my take-aways from the sessions I attended were:

Beekeeping in Calgary

1. The province of Alberta boasts ~316,00 beehives and there are an lot of urban beekeepers within the city limits and surrounding areas.

2. The honey bee forage season around Calgary is extremely short (~3–4 months) and a hard frost is possible year-round.

3. Canola, sweet clover, and alfalfa are the main honey bee forage plants around Calgary; 70,000 hives are used to pollinate the canola.

4. Thanks to the canola, the average honey crop for a Calgary beehive is over 125 pounds.

From Dr. Medhat Nasr’s talks

1. Consider adopting a lower Varrora mite economic treatment threshold of 1% (down from 3%); the natural mite drop on a sticky board that corresponds to a 1% colony infestation rate is a count of ~6 mites/24 hours.

2. Dr. Nasr has been working to “grease the skids” to allow the importation of Canadian-produced fumagillin B (for Nosema control) into the US.

Glacial Acetic Acid Fumigation (caution: requires strict adherence to personal protection) can be used to sanitize Nosema-contaminated equipment.

Walk-Away Splits: Consider marking the area on the frame containing freshly laid eggs so that you can tell if the increase colony selected the youngest possible larvae to develop into an emergency queen; consider destroying queen cells that were produced from areas on the frame containing older larvae.

Kamen Reynolds (Tennessee Bees), Scott Debnam (University of Montana), and Kevin Inglin (beekeeperscorner.org) were all very entertaining speakers who shared a wealth of practical beekeeping strategies, advice about managing moisture in

A Favorite Honey Bee Plant: November

Glen Andresen, glen@bridgetownbees.com

Scientific name: *Oxalis articulata*

Common name: pink wood sorrel

Portland-area bloom time: June–November

One of the many joys of living in the same house for decades is the relationships that develop with one’s neighbors. I moved to my current house in 1987 and Emma, the woman who lived next door, had been here for several years before that. She was rather “grandmotherly” at that time, even though she had no children. She passed away at the age of 94 about eight years ago—at home. I generally looked after her, taking care of her yard and house—and her, especially after her rather cantankerous husband passed away. (The husband, who liked to gamble, once quipped to me that one time he “went to Las Vegas in a \$25,000 Cadillac, and came back in a \$250,000...bus!) In any event, growing in her yard was this tiny, unassuming

Honey bee working
Oxalis articulata.



plant, that seemed to bloom forever. And its even tinier pink flowers always seemed to have honey bees visiting them, even in to November. The plant is native to South America and does well here. I’ve transplanted it to a few spots on my own property and am encouraging it to grow in patches in a nearby lawn. The amount of nectar going to the hive must be miniscule, but there must be something rewarding to them to so freely visit it for the entire six or so months it blooms.

overwintering colonies, and information about traditional and alternative beekeeping equipment.

Nelda Murri

We attended the Western Apicultural Society meeting in Calgary at the end of September. Many topics were covered including the latest research on keeping bees alive. Etienne Tardiff started off the conference by stating that it is not moisture, mites, food, cold, or the environment that leads to dead outs. It's the you, the beekeeper. Management is the key. Good winter success starts in May. The dead-out root causes include: Lack of knowledge by the beekeeper, no consistent winter approach, poor winter preparation (not enough stores, moisture protection), poor pest/disease management, poor colony set up, and trying to overwinter a weak colony in too large a volume. Varroa control is vital as they affect thermoregulation.

Various topics on treatments were covered, both positive and negative. Treatment comments included: Formic acid may affect eggs and larva as well as the queen. It may cause a brood break of 3 or 4 days, but rapid egg



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laying should start in ~14 days. Older queens may be superseded sooner. Using a single pad of Formic Pro over a 2-week period is gentler on the bees but is not as effective in penetrating the cell cappings as using two pads at once. The good news is that formic acid has been used for over 25 years for mites and no known resistance has developed. Formic Pro has been improved, now has a 2-year shelf life and is not sensitive to storage temperatures.

Research on oxalic acid in glycerin shop pads has shown that it is only effective in maintaining a lower level of Varroa and does not cause a "flush" of dead mites.

Queen retinues will be smaller because of synthetic miticides infused in wax. Also, egg laying will be smaller. A queen may lay 35-42% fewer eggs. A contaminated queen will smell different. Nosema also changes the scent of a queen. Rising temps caused by global warming affects queens as well.

Amitraz infused in wax causes lower sperm viability in drones. The same goes for pesticide exposure. Synthetic miticides discontinued in 2000 can still be detected in wax.

For us on the coast of Oregon, the most interesting topics were thermoregulation studies on insulating colonies in winter. Bees consuming honey produce moisture, heat, and CO₂. In a tree colony, sides may be 4-6" thick giving high insulation values. Upwards the insulation value of the tree trunk is nearly infinite. Bees will propolize top entrances and leave an entrance ~3 cm in diameter towards the bottom of the tree cavity. Without a top entrance, the CO₂ they produce stays in the cavity and can reach a concentration of ~5%. CO₂ in the atmosphere is a trace gas with a concentration of only .04%, 125 times less than in a bee tree cavity. The higher levels in a tree calms the bees. They eat less and conserve energy helping them make it through the winter. Higher CO₂ may also kill Varroa.

There are many practical reasons for insulating colonies in Oregon. Colonies lose 25% of heat thru the top of the colony. By insulating the top, it pushes the heat down and drives condensation below cluster. Use less insulation on the sides so that any moisture will condense on the walls of the colony. Bees will use this water to help digest sugar. You can also push colonies together to conserve heat. The thermal mass of honey will also insulate the colony. Conclusion: Insulate the top of your colonies and don't top vent.

Rick Olson

REGIONAL NEWS

Regional Representatives

South Coast

Here Thanksgiving Potluck tops off the year at the far south coast. The OSCBA which has been winding down with issues of getting timely reports of roadside spraying available for all beekeepers, besides aggressive bees requiring destruction of all colonies in two separately owned apiaries, one verified as “africanized.” With moisture being the cause of overwintering losses in many, if not most cases, the late freeze and heavy rainstorms significantly delayed the delivery of packages and nucs so that the population buildup was not adequate for most, except in the case of super productive queens.



Homeschoolers Gone Rogue, who enjoyed a Bee Day in May, returned for a honey harvest visit in September and

were delighted with a visit into the open queenless hive full of drones, dipping their fingers in honey and attracting handfuls of friendly stingless bees. At the table, they used decapping forks to open the comb and taste the contents. A favorite activity.

At the October meeting, OSCBA secretary Leif Allmendinger displayed an antique extractor that he hopes to restore for actual demonstrations. At a prior meeting, Mark St James gave a slide presentation of his development of log hives made by cutting out the center to create a long square area to hang standard frames vertically.

For the annual Blessing of the Animals in October, I took a wooden nuc full of bees to the Lutheran Church in Gold Beach on a little wagon. All the blessed dogs and owners were impressed! The blessing was for all the bees of the world, of course. *Mureen Walker*



Southwestern Oregon

In Southern Oregon, beekeepers are doing final hive preparations for winter. We have had warmer than average temperatures, but, unlike last year, got timely spells of precipitation which lessened our fall dearth. Dry locations, historically producing star thistle honey, did not support the plant in the dearth, due to brief spells of extreme heat which preceded our rains. Irrigated areas did well, with vegetation staying green into fall. Beekeepers have mostly reported good honey harvests.

Andrew Watson

North Willamette Valley

Willamette Valley Beekeepers welcomed Dr. Dewey Caron back as guest speaker. As usual Dr. Caron always brings an interesting topic or report from his huge repertoire of years of knowledge

and information, as well as his current research.

His first topic was the unfortunate information about the latest predator of the honey bee. An Asian wasp, *Vespa velutina*, otherwise called yellow legged



hornet AKA Asian hornet. Currently the hawk-style predator has only been located in the state of Georgia, US. Of course, with the migration of our honey bees from all states to California almonds and back to each home state, our United States has a less than stellar way of keeping new pests to our bees from being transported all over the country. This bee is larger than our honey bees and flies to catch the honey bee in flight. They line up in flight and face away from the honey bee hive direction and intercept the bees catching them and devouring them as they return to the hive. According to an online source, the bees are carnivorous and are very good hunters. Dr. Caron stated that the hive of this bee is a large horizontal multilayered, rather than the normal vertical hive we are accustomed to. The hive is a large paper-style hive, perhaps larger than a basketball size. Online information found states that the UK has started a very rigorous program to eradicate its existence in its early stages of invasion there. Further information is available online, one source I found is nbu@apha.gov.uk.

Dr. Caron also spoke about the continued work he is doing on The BeeMD.gov, soon to be ready to go live. This program will give us, especially newbies, a new source of information to help diagnose issues in the apiary. At present the website is set up as a beta site to work out its effectiveness and further its development when it goes live on the .gov website. Stay tuned for further information. *Nathan Richard*

Regional Associations

Central Oregon

We hope everyone had a great summer and beekeeping season this year. Anecdotally, the results in Central Oregon were pretty good, but we should be getting some more definitive data soon.

We in Central Oregon were REALLY EXCITED that the OSBA annual conference was held in Bend this year. It is quite impressive how much planning, coordination, and time was put in by the organizers, as well as how smoothly it went. Also, it definitely pressed home that OSBA is made up of and holds important beekeepers from all around the state, and it was great to see old friends and meet new ones.

As there isn't much going on in the apiary, it's a time of reflection. What worked with respect to our meetings and the services we provide to our members, what didn't and what needs to be improved, removed, or added. In November we have elections and new ideas. In our OMB program, we are discussing how to provide the most meaningful education experiences for the various levels of experience seen in the new students.

We didn't have a meeting in November (good time to spend with the family). In December there is a timely discussion about "gifts of the hive" in preparation for the holiday season. And in January we'll be hearing all about pesticide poisoning. Please feel invited to attend any of our meetings.

We wish you a wonderful holiday season and a safe and successful New Year.
Allen Engle

Coos Beekeepers

Coos Beekeeper Svetlana Maslakova was the winner of the horizontal Langstroth hive our association raffled off—congratulations! She is going to put her new hive in our apiary for members to observe the differences in managing a horizontal vs vertical Langstroth. Several members have inquired about going horizontal, so it should be an interesting addition to the apiary.

The bees along the coast are still bringing pollen in as daily temperatures have rarely been below 50 and continuous rain has held off. Ivy, rosemary, and dandelion are some plants in bloom. We only took 11 pints of honey from our training hives and are now ready for winter.

As Coos Beekeepers look back over our first two years, we see many successes and now look forward to the coming year. Our upcoming project will move us beyond building the association, focusing on education and community outreach. We are currently planning a presentation at the Coos Bay Library and have been asked to visit many classrooms this spring.

Ann Marineau

Oregon Prison Beekeepers

Coffee Creek Correctional Facility (CCCF) was the first prison to start the beekeeper program in DOC back in 2014. This year's beekeeper team had 13 adults in custody (AIC) receive both their Beginners and Apprentice beekeeper certificates through the Washington State Master Beekeeper program. Majority of the classes were taught by staff, an outside volunteer, and a Journeyman-level AIC. CCCF has another AIC working toward



her Journeyman Certificate this season. Since 2014, CCCF has had 94 AICs receive their Apprentice certificates and 2 AICs receive their Journeyman certificates.

These are some of the skills learned with this program:

- Detailed and consistent record-keeping and organized documentation.
- Strong grasp of cause and effect demonstrated repeatedly by the bees.
- Short- and long-term planning skills. Colony management requires forethought, planning, and initiative.
- Researching, analyzing, and applying information in a way that makes the process relevant and rewarding to participants.
- Team building with other participants and program leaders.
- Increased sense of empathy and appreciation for natural systems.
- Better concentration developed through practice of working with bees to assess hive status and colony health without causing undue damage or chaos. The bees naturally enforce this practice.
- Increased understanding of biological systems, including food production.



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Chad Naugle

Portland Metro Beekeepers Association

Fall is here. We have wrapped up our honey harvest, and now it is officially time to prepare for winter. In late October honey bees were still foraging on rosemary, asters, and borage in the garden until the recent frost and freezing temperatures. Overwintering our colonies is one of the beekeeper's biggest challenges, particularly in the Pacific Northwest with unpredictable weather and an 84% chance of a moderate El Niño heading into the months of November through January this season. Historical impacts for the Pacific Northwest during an El Niño are for warmer and drier conditions, so our bees may be consuming more of their winter stores.

Our September speaker, Carolyn Breece from the OSU Honey Bee Lab, provided fall wrap-up tips. Our task list is a low Varroa count (1-2%), 60–100 lb of stored honey/colony, queen right, strong colony, and no disease. She reviewed optimal fall colony configuration (wintering cluster in bottom box and stored honey top box). If there is not enough stored honey, then the next best food is to supplement feeding with 2:1 syrup. Strong colony means take your losses in the fall and combine weak colonies that you can split later in the spring. A robust colony can have a high mite load, so check Varroa levels now, treat and sample after treatment two weeks later. Our October speaker was Lee Hedgmon, owner and founder of The Barreled Bee. She shared her journey in mead-making, brewing, beekeeping, and what inspired her to combine her love of honey with distilled spirit barrels. She is a gifted matchmaker, traveling all over the Pacific Northwest seeking uniquely flavored honey to complement a distinct characteristic in a barrel of rum, whiskey, bourbon, and even wine. She brings all the goodness of barrel aging to honey. Members were treated to samples of her five cocktail-inspired barrel-aged honey “buzz stix” during her presentation. We may need to purchase these for our upcoming holiday potluck in December:). Many members attended the OSBA conference in Bend this year, which I understand was excellent!

We will be updating our constitution and bylaws with changes to represent current organizational needs. We will elect a new position, Club Webmaster, who will be responsible for maintaining the PMBA website and social media accounts. The Librarian responsibilities have been reassigned as we maintain a robust library of books and periodicals available to all members. Officer elections will occur in December. Happy holidays to all beekeepers!

Sandi Collis

Tillamook Beekeepers Association

Fall has arrived at the coast, and we are appreciating the rain if not the wind. We had Fonta Molyneaux speak at our TBA meeting in September. Fonta is the president of the Lane County Beekeepers and teaches beekeeping classes across the

country. If you get a chance to hear Fonta speak, you should take advantage of that. Fall and winter preparations were the main topic of her talk, and then the group adjourned to our teaching apiary for some hands-on beekeeping. Much effort is going into arranging the frames and boxes for maximum winter survival. Most of the brood frames will be in the bottom box with honey and pollen frames in the top box. We have been lifting the hives to determine if enough food is present for the winter. We do have an advantage in much of Tillamook County because we have a



September honey flow. Japanese knotweed is an invasive plant that thrives along riverbanks and flowers profusely with small white blossoms. The honey produced is very dark and has a bold flavor. It is an excellent source of winter honey. We also discussed the various ways to feed a

hive that is light and encourage the bees to fill in the frames with winter stores.

Patsy Weber

Tualatin Valley Beekeepers Association

Tualatin Valley members enjoyed a fabulous honey tasting of our members' own extracted honey for the October meeting, and Dr. Ramesh Sagili is scheduled to present OSU Honey Bee Lab updates to the group on November 28. Our group takes December off, and our new year for dues and all events begins annually on January 1. Annual dues are \$20, and all are welcome.

In October, we elected new officers for 2024. We are happy to retain many great board members and have added new members as well. We appreciate that many board members are Oregon Master Beekeeper Program trained, and so add great mentoring expertise to benefit newer beekeepers. Our monthly last-Tuesday hybrid online and in-person meetings offer expert presentations and supportive conversation covering what beekeepers might best be doing to support their honey bees.

Debby Garman

Umpqua Valley Beekeepers Association

As I reflect on all the challenges we endured, the accomplishments that transpired, and the bonds made this year, I am so happy to be a part of this team . . . this family. Though we haven't solidified all of our plans for the future of the association, I am excited about the direction our organization is headed. Our success greatly depends on the efforts of others, those like-minded individuals, who see the importance to educate and raise awareness about these wonderful creatures that tie us together.

On September 16, we held our “Dyno-Mite Treatments and Counts” class hosted by Alan Ross and taught by Ivory LosBanos, with mite count demonstrations from Ivory and a mite treatment performed by Kent Wallace, using the Lorobees InstantVap 18V vaporizer. Shortly after the demonstration several members went halvesies on purchasing an InstantVap unit together.

On October 8, we had our first-ever potluck! This coincided with our annual election for board and chairpersons. All of those who



attended provided a wonderful dish to share. Some even brought their spouses. The results of our election are as follows: Adrian Aramburu - President, Ivory LosBanos - Vice President, Serena Fink - Secretary, Kelly Heard - Treasurer, Sandy Wertz - Education Chair, Ivory LosBanos - Events Chair, Vicki Craft and Timothy Ballenger - Website and Social Media Chair, Tony Beerbohm - Community Liaison, Adrian, Ivory and Ian Fuller - Swarm Coordinators. We recognize and congratulate those who were elected or re-elected! On October 14, we held our “Winter Is Coming” class. Hosted by myself and taught in collaboration with Ivory LosBanos, we covered some of the common practices and equipment used, on several different hive styles, to overwinter bees. Common feeding practices and pest deterrent devices/techniques were also covered and demonstrated. We held a drawing for the affiliate ticket donated by the OSBA. Joel Bone was the lucky recipient. Joel and myself represented our group at the 2023 OSBA Fall Conference in Bend. It was wonderful to finally meet all of those people I’ve only seen online in person. So many opportunities to learn and fun to see all the different vendors showing us what’s new, what they developed, or what they wrote. Connecting with new people all over the state and the country is so valuable. I hope everyone made it home safe! Until the new year, Bee Thankful . . . Bee Merry!
Adrian Aramburu

Tillamook Burn—Continued from page 1
 inferno had killed the green trees and brush. Even the dead needles still cling to many of the branches, and these are highly inflammable.

Because of the threat of fire the entire area was closed during the dry season of 1934 by order of the state forester, and all persons were forbidden to enter it for fishing, camping, or for any purpose. An inquiry to the state forester regarding possible permits to beekeepers did not receive a very favorable response, but it is to be noted that 1934 was an exceptionally dry summer. The state game commission has also closed the region for hunting, owing to the great destruction of wild life by the fire. Strangely interesting, however, to a beekeeper are the evidences of numerous bears which seem not to have suffered much from the fire, judging by the many trails and tracks, and the visit we received one night while camping (after the closing ban had been lifted) on the rocky banks of Wilson [R]iver.

Timber owners are making limited preparations to rescue the most accessible of the dead timber, but they entertain serious doubts as to whether any considerable portion of it can be salvaged on a profitable basis within the few years that it will remain sound. That enough timber to build homes for a million people must stand untouched until worms and decay have made it worthless seems an economic waste hard to contemplate; but it helps explain why a lot of fine fireweed may “bloom to blush unseen, and waste its sweetness on the desert air.”

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The **Oregon State Beekeepers Association** is a 501(c)(3) nonprofit organization representing and supporting all who have an interest in honey bees and beekeeping. Membership is open to anyone with an interest in bees and beekeeping. Members do not need to own bees or reside in Oregon to join. Membership includes the ongoing work of the organization on behalf of the honey bee and beekeeping, a vote in OSBA elections, swarm call listing, four free online classified ads per year, discounts on publications, and an annual directory and subscription to *The Bee Line*.

Please send check made payable to OSBA with a **completed form for each individual** to:

Oregon State Beekeepers Association, Membership
13601 S Union Hall Rd, Canby OR 97013

Date: _____ New Member Membership Renewal

First Name: _____ MI: _____ Last Name: _____

Company name: _____

Type: Small scale (less than 25) Sideliner (25–300) Commercial (more than 300)

Mailing address: _____

City: _____ State: _____ Zip: _____

Telephone number: _____ e-mail address: _____

Newsletter: Please select version: Digital Print County: _____

Membership Directory: The OSBA respects the privacy of members. Please indicate contact information to be included in a directory mailed to OSBA members only:

Do not include contact information

Share all information OR Share: mailing address phone number e-mail address

Local group, if member: _____

Membership dues: \$40 per person (\$50 per person outside the US) \$ _____

Voluntary contribution(s):

General Fund \$ _____

Research Fund \$ _____

Total amount enclosed: \$ _____

Note: To renew or join online, please visit:
orsba.org/membership

Thank you!

Reminder: Memberships are recorded on an annual basis—i.e., for the calendar year.

Renewals are welcome at any time, as are new members.
New memberships after August 31 are applied through December 2025.



Oregon State Beekeepers Association
 4207 SE Woodstock Blvd Ste 517
 Portland OR 97206
 orsba.org

To be a Flower, is profound
 Responsibility—
Emily Dickinson

The Bee Line

The Bee Line is the official publication of the Oregon State Beekeepers Association. Annual subscriptions to the newsletter are included with membership.

Please send news about your bees and your experiences in keeping them, as well as events, corrections, comments, questions, photographs and stories, interviews, recipes, points of view—and ads/advertising—to: Rosanna Mattingly, *The Bee Line*, 4207 SE Woodstock Blvd Ste 517, Portland OR 97206; e-mail: osba.newsletter@gmail.com. It's your newsletter—we want to hear from you!

The next issue to be printed will be the **January–February 2024** issue. The deadline for submitting copy is **January 10, 2024**. Please let me know if you find difficulties with the deadline so we can work out the space and timing for the material.

May all be well!

Advertising

Per Issue

Event Listing

All events, space permitting (15 words) Free

For a nonprofit group event, an additional 30 words (total of 45) in the listing or an article Free

Advertising

Business card \$10.00

Quarter page \$25.00

Half page \$50.00

Full page \$100.00

Classified Ad (30 words)

Members \$3.00

Nonmembers \$5.00