THE STATE OF THE BEES

Ramesh Sagili

Comprehensive Analysis of Honey Bee Health

For the past three years, we have been obtaining honey bee samples from across the state to examine the prevalence and intensity of Varroa mites, tracheal mites, and Nosema. We have also analyzed the samples for hypopharyngeal gland protein, which serves as a good indicator of the nutritional status of the colony.

For the year 2010, Varroa mite prevalence was 74 percent and the percentage of infestation was 3.1 percent. Nosema prevalence was 42 percent and the intensity of infestation was $1.9 \pm 0.7$ million spores per bee. Tracheal mites were present in 22 percent of the sampled hives. Average hypopharyngeal gland protein content for all the samples from 2009 and 2010 was 2.9 micrograms per bee. Hypopharyngeal gland protein content ranged from 0.1 to 7.2 micrograms per bee in the samples received.

Honey Bee Nutrition Study

In this study, we are looking at effects of pollen quality (diversity) on honey bee physiology, colony growth, and immunocompetence. We have two treatments: (1) colonies receiving single-source pollen, and (2) colonies receiving multi-source pollen. Results to date suggest that single-source pollen treatments have significantly reduced hypopharyngeal gland protein content, colony growth, and immunocompetence. Further studies will focus on infesting the single-source and multi-source pollen treatment colonies with pests and pathogens (Varroa and Nosema) to assess survival. We expect that single-source pollen treatments will have significantly higher mortality as a result of compromised immune system.

In another study related to nutrition we have been tracking the nutritional status of colonies owned by Oregon commercial beekeepers. The graph to the right shows the nutritional status of colonies during different times of the year. Nutritional status is expressed in micrograms protein per bee.

Mite-Away Quick Strips™ (MAQS)

We tested the effects of MAQS on brood and queen survival along with the efficacy of the strips. MAQS is a new formic acid (46.7 percent) treatment for controlling Varroa mites. Several beekeepers have reported significant brood and queen loss, possibly as a result of using this new mite control treatment during spring and summer. To get a better understanding of the product, we conducted two relatively small trials during June/July and August 2011 at Oregon State University. Preliminary results suggest that the brood loss ranged from 30 to
MESSAGE FROM THE PRESIDENT

Where does the time go…? We spend the entire year looking forward to our “down time” and turn around, and it is again time to be thinking of the move south for almonds. The bees went to bed in good shape. Our Oregon State University Honey Bee Lab samples were good. Yet, there is always that “nail-biting time” between Bedtime for Bees and the New Season.

After the conference in Seaside, I headed to South Florida to soak up some sun and spend time with my wonderful daughter and her family. It was really nice to experience the 75°F days for a week, but I really miss the Pacific Northwest and our seasons. We spend so much time away from home that it seems like a vacation to be able to relax in our own space.

I would like to thank everyone who contributed to the 2011 conference in Seaside. We had a great group of speakers and a wonderful facility to use. Paul Andersen worked tirelessly to make certain that things ran smoothly and added some great new items to our conference. I really enjoyed the Honey Bee Lab and watching Emily (Charlie Mock and Nancy McSwane’s daughter) teach Randy Oliver a new method for dissecting bees to check for tracheal mites. I am sure that Emily was incredibly nervous, but she jumped in like a champ and seemed cool, calm, and collected while she got the job done. Paul Kowash and his wife Kathy had their first experience as OSBA Registrars. Terry Fullan and Carolyn Breece volunteered to help. They had their hands full for a few days, but rose to the occasion and kept our receipts straight. This is a huge undertaking, and I received many thanks from attendees and a few suggestions to help things work better in 2012. We are always looking for ways to improve our systems and appreciate all comments.

We introduced the Oregon Master Beekeeper program at the conference and have received dozens of requests to join the program. We are very proud of our program and look forward to working with these new, enthusiastic students. Our intent for 2012 is to keep the program manageable and expand the number of students as we have the instructors and mentors to cover each requested area of Oregon. Ultimately, we will have enough trained beekeepers to help manage the program. Carolyn Breece, with Dr. Sagili’s encouragement, suggested this program at a fall conference in 2009, and we are so proud of how it has developed. We are so fortunate to have Dr. Ramesh Sagili, Dr. Dewey Caron, and Dr. Lynn Royce all on our committee.

I wish you all a very exceptional New Year and hope that 2012 is a wonderful year for the BEES!

Jan
President Jan Lohman called the OSBA Executive Board meeting to order at 4 PM.

Minutes
The minutes of the August Executive Board Meeting were read by Carolyn Breece, secretary. Judy Scher motioned to accept the minutes as printed in The Bee Line, and Bob Allen seconded the motion. The board unanimously approved.

Treasurer’s Report
Paul Kowash reported that three bee clubs have made a donation to Oregon State University: Southern Oregon, Tualatin Valley, and Willamette Valley. OSBA will match each donation up to $500. Paul is organizing finances for the recent grant awarded to OSBA and OSU. The grant requires OSBA to contribute $14,750 in “matching funds.” Currently, the Research Fund has $10,000. Paul suggests that it is time to put the money to use rather than letting it sit in the bank. As of this meeting, the OSBA has generated $19,000 in income for the 2011 fall conference. Chuck Sowers motioned to accept the treasurer’s report. John Jacob seconded the motion. The board unanimously approved.

The Bee Line
Rosanna Mattingly, The Bee Line editor, requested more articles to be sent to The Bee Line. Extra copies of last month’s newsletter were made available at the registration table. The OSBA directory will now be updated and printed each year. Look for your directory with the January–February issue.

Webkeeper’s Report
Thom Trusewicz is happy to see the OSBA message board getting so much use. Harry Vanderpool agreed, but advised us to keep it about bees, please! The message board is intended to be a fun and informative tool to learn about keeping bees.

Regional Representative Reports
North Coast: Terry Fullan reported that many are still feeding bees, and members of the Tillamook County association are planning their winter party.

South Coast: Welcome Del Barber, our new South Coast regional representative! Del belongs to the Coos County Beekeepers Association and is considering starting a new club in Curry County. The area did not experience a great honey year. They are averaging about 20–25 percent colony losses per year.

Columbia Basin: After feeding bees this fall, Bill Edwards is happily focused on hunting season!

Portland Metro: Bev Koch has received many requests for beekeepers to remove bees from buildings/homes and hopefully save them. She is looking for someone to take her place as the Portland Metro regional representative.

North Willamette Valley: Harry Vanderpool reported for the region and for the Willamette Valley association. The group has about 125 members. This includes many new people, which has changed the nature of the outfit. Most discussions focus on beekeeping basics, and this is good for both new and long-time members.

South Willamette Valley: Jason Rowan reported that the weather has left the bees socked in. Feeding has ended, and bears are again a problem this time of year.

Regional Branch Association Reports
Klamath Basin: Tom Chester stated that this is the second year of the Klamath Basin Beekeepers Association. They have a website and a Facebook page! About 60 people attend their meetings, some from up to 90 miles away. This summer, the club had a wonderful barbecue event which coincided with a visit from Ramesh Sagili and Carolyn Breece of OSU. The club is always welcoming visitors and speakers, so please contact Tom if you are in the area.

Lane County: Judy Scher was happy to announce that the LCBA bee school is almost full! The club has about 250 members, 50–70 of whom regularly attend meetings.

Southern Oregon: John Jacob reported that the club has many new members, a new secretary, and a new treasurer. They were recently faced with a land-use issue in the area. Some counties are not recognizing bees/beekeeping as
**OSBA OFFICERS**

**President:** Jan Lohman  
77225 Colonel Jordan Rd, Hermiston OR 97838  
541.567.3209; 541.980.0304 (cell)  
vazzafarms@yahoo.com

**Vice President:** Paul Andersen  
19255 SW Prospect St, Aloha OR 97007  
503.649.5089; 503.332.5410 (cell)  
paulande@easystreet.net

**Secretary:** Carolyn Breece  
743 NW 18th St, Corvallis OR 97330  
541.207.3668  
carolyn_breece@yahoo.com

**Treasurer:** Paul Kowash  
5959 SW Taylors Ferry Rd, Portland OR 97219  
503.452.2664; 503.367.5242 (cell)  
paulkowash@aol.com

**Past President:** Chuck Sowers  
26730 S Hwy 170, Canby OR 97013  
503.266.1740; sowers@canby.com

**OSBA REGIONAL REPRESENTATIVES**

**Southern Oregon:** Floyd Pawlowski  
415 Pompadour Dr, Ashland; 541.482.4797  
fmpawlowski@ashlandwireless.net

**North Willamette Valley:** Harry Vanderpool  
7128 Skyline Rd S, Salem; 503.399.3675  
shallotman@yahoo.com

**South Willamette Valley:** Jason Rowan  
80881 Turkey Run Rd, Creswell 97426  
541.942.6479; beetanical@q.com

**OSBA REGIONAL ASSOCIATIONS**

**Central Oregon Beekeepers**  
Meets 6:30 PM, third Tuesday  
63211 Service Rd, Suite 130, Bend  
President: Dennis Gallagher; 541.389.4776  
For information, please contact John Connelly  
johncobka@gmail.com

**Coos County Beekeepers**  
Meets 6:30 PM, third Saturday (except December)  
Ohlsen Baxter Bldg, 631 Alder St, Myrtle Point  
President: John Gardner; 541.572.3847  
Vice President: Shigeo Oku; 541.396.4016  
Secretary: Bobbi Gardner; 541.572.3847  
Treasurer: Jane Oku; 541.396.4016  
janeoku1958@gmail.com

**Klamath Basin Beekeepers**  
Meets 9:00 AM, last Saturday (except Nov/Dec)  
OSU Extension, 3328 Vandenberg Rd, Klamath Falls  
President: Tom Chester; 541.850.8384  
klamathbeekeepers@gmail.com  
Vice President: Chris Kerns; 541.884.8664  
Secretary: Donna Schmerbach; 541.891.3066  
Treasurer: Kathy Nelson; 541.882.3141

**Lane County Beekeepers**  
Meets 7:30 PM, third Tuesday, Trinity United Methodist Church, 440 Maxwell Rd, Eugene  
President: Judy Scher; 541.344.2114  
judyscher@gmail.com  
Vice President: Rita Ostrofsky; 541.685.2875  
Secretary: Barbara Bajec; 541.767.9086  
Treasurer: Nancy Ograin; 541.935.7065  
woodrt@pacinfo.com

**Linn Benton Beekeepers**  
Meets 6:30 PM, fourth Wednesday, South First Alternative Co-op Meeting Room, Corvallis  
President: Linda Zielinski; 541.929.4856  
Secretary: Marie Laper  
Treasurer: Suzi Maresh
HONEY BEE RESEARCH

Dr. Dewey Caron
302.353.9914 (April–October)
carond@hort.oregonstate.edu

Dr. Lynn Royce
541.929.5337; mitebee@peak.org

Dr. Ramesh Sagili
541.737.5460; sagilir@hort.oregonstate.edu

REGIONAL NEWS

Regional Representatives
South Coast
The next Coos County Beekeepers Association meeting will be January 21, 2012. Those participating in the Oregon Master Beekeeper program from the local association are: Shigeo Oku, Randy Sturgill, Bruce McDonald, and Del Barber. They have completed the mandatory instructor and mentor training held at Oregon State University. On December 11, they met at the home of Shigeo and Jane Oku. The purpose of their meeting was to begin preplanning to kick off the program for South Coast counties. —Del Barber

North Willamette Valley
After a harrowing year of weather extremes and other challenges, many Oregon beekeepers are very pleased with the conditions of hives overwintering. Some “winter losses” were taken in the fall with the remaining hives looking good. Heavy fall precipitation later yielded to cool, dry weather; perfect for wintering hives! The year 2011 gave us our first year with Varroa treatments that can be used during a honey flow with honey supers installed. Much discussion and mixed reviews abound along the learning curve with these strategies. The general consensus is that label directions are severely lacking in application detail that could potentially make all the difference in results. We are hearing nothing but praise for the excellent OSBA conference in Seaside. A big thanks to Paul Andersen, Paul Kowash, and all others who presented or helped produce such a fine event! —Harry Vanderpool

South Willamette Valley
Happy New Year to all the keepers in the South Valley and those crazy enough to love us. The fall conference in November was great as per usual, very informative. Thanksgiving came and went, and at the time of this letter, Christmas has yet to arrive. For those of us thinking about California, the temptation to look into the hives is almost too much. Here in our operation, we are in
full winter mode, i.e., cleaning the warehouse and building/repairing any number of things. Starting the second week in December, the ball starts rolling again, beginning with hive assessment and ending with loading out at the end of January.

For those staying home, I would check those bees when you see them fly. Things to remember when looking in your hives when the weather is cold are: (1) make your visit short, (2) check the weight, and (3) look for moisture inside. If you find your hive light, then put in frame honey, fondant, or granulated sugar to help keep them from starving. If you find it wet, then replace the lid or covering. Remember: A wet hive is a dead hive. Happy Holidays. Let’s hope Mother Nature will look kindly on all of us this year. —Jason Rowan

Regional Associations

Klamath Basin
The Klamath Basin Beekeepers Association is just ending its second year, having been founded in early 2010. The association serves beekeepers from Fort Klamath and Sprague River on the north to Tulelake and Butte Valley in California on the south, and to Lakeview on the east. Although this is a large area, with a total population of less than 70,000, the group typically draws 50–60 attendees at its meetings. Members travel 40 miles from Sprague River, 35 from Tulelake and 75 from Weed (both in California), and 90 from Lakeview. Due to the challenges of distance and weather, the club meets on Saturday morning rather than on a weeknight as do most other beekeeping groups.

This year has been a big success. The beginner class in March drew about 40 people. The club organized a group order of 100 packages of bees. The group has an excellent website and a Facebook presence. The club celebrated the fall honey harvest with a barbecue that drew more than 60. More importantly, the association has built a reputation as a welcoming and supportive group with worthwhile and interesting meetings. For next year, there will be a beginner class in March and another group order for package bees. Programs being lined up include presentations by two or three commercial beekeepers and programs on bee sting allergies, nectar plants, queen rearing, seasonal management, and mite control (of course). —Tom Chester

Portland Metro Beekeepers
The Portland Metro association enjoyed a holiday celebration with gift exchange. A ham was deliciously prepared by club member Alvalea Fong, and the meeting room was decorated by club members. The association wishes season’s greetings to all beekeepers and honey lovers in the region! —Nancy McFarlane

Tillamook County Beekeepers
For our winter season, we held a potluck for club members that was well attended. Many of the dishes, of course, had honey in them. Richard Patten brought some Mead to share. It was a nice opportunity to share a meal and share stories. The many dry, clear days have given beekeepers a chance to clean and landscape our beeyards. Members are turning to winter tasks of repairing and building next season’s equipment. Soon the days will be getting longer and before we know it, Valentine’s Day. —Terry Fullan

Adapted from: January-February 2010 Bee Line.
**QUESTION OF THE MONTH**

**Question**

I am feeding my bees honey (diluted a little) instead of sugar syrup. I am a top-bar hive beekeeper, and feel that feeding honey is the right thing to do based on my philosophy. I am buying it at a health food store, and it is costing a fortune. I have only one hive, so cannot take the honey from elsewhere. In general, is it okay to be feeding honey? Is it easier for the bees to utilize, and therefore provide an advantage for a weak or small hive? Do you dilute it? Where do you buy it?

**Response**

**Dewey Caron:** There is no advantage of feeding bees honey over sugar. Feeding bees the already reduced sugars in honey (glucose and fructose) is not an advantage to a weak or strong hive over feeding a source of sucrose (refined cane or beet sugar). Natural sugars (honey) may be preferred by some beekeepers over a refined sugar, and an organic honey product would not be produced in a colony fed refined sugar (by most definitions of organic). There is a danger to feeding honey from unknown sources in that we know American foulbrood spores do exist in honey. It is fine for beekeepers to feed honey that they do not intend to consume or sell, that their bees have stored, and for their bees to clean out extracted frames or honey they don’t extract (crystallized or off-flavor honey from some natural sources). Liquid honey should be diluted at least 1/2 with water. Capped/crystallized honey in frames should be scored and made a “mess” to ensure that the bees relocate it. I have no idea where one might buy honey appropriate for feeding bees and would NOT recommend it.

**HOPGUARD APPROVAL**

David L. Priebe, State Registration Specialist, Pesticides Division, Oregon Department of Agriculture, has sent a notice that EPA APPROVES the Section 18 emergency use of HopGuard for Varroa mite control during the calendar year of 2012. They are working with BetaTec/John I. Haas to finalize the labeling and hope to have it available by the first of the year.

**BEE SCHOOLS**

**Willamette Valley Beekeepers Association:** February 16, 21, and 23 at Chemeketa Community College, 4000 Lancaster Dr, Salem, Building 34. 7:00 pm sharp. Sessions include beekeeping history, life cycle of honey bees, beekeeping equipment, safety, working with bees, products of the hive, getting started in bees, pests & diseases, and nutrition. $30.00, includes all materials and membership in WVBA for one year. For further information, or to download a registration form, go to www.orsba.org and click on “beekeeping schools.” Questions? email: pkswenson@gmail.com or call 503.864.3096 or 503.399.3675.

**Astoria Bee School:** March 17 at Clatsop Community College, Columbia Hall, Room 219. 9:00 am–4:00 pm. $15 for individuals, $25 per couple or family. Please bring a sack lunch.

**MASTER BEEKEEPER CLASS**

Wednesday nights, 6:00–8:00 PM
February 22–April 11, 2012
Glory Bee Foods, 29548 B Airport Rd, Eugene
(on Highway 99 near Jerry’s Home Improvement Store)

Open to any beekeeper who has been accepted into the Master Beekeeper Program for Apprentice Beekeeper certification. Although attendance at these classes is optional, it is time well spent. Lane County beekeepers Ken Ograin and Morris Ostrofsky will be team teaching. Please contact Rita Ostrofsky at ostrofsky@pacinfo.com if you plan on attending or have questions.

**Note:** This is the first offering of classes for the Oregon Master Beekeeper program launched during the 2011 fall conference in Seaside. Applications are now being accepted for those who want to pursue certification as an Apprentice Beekeeper as well as for instructors and mentors. The program has received over 50 applicants, some of whom are waiting for a match with a mentor. To participate, contact Carolyn Breece at info@oregonmasterbeekeeper.org. For additional information, visit: www.oregonmasterbeekeeper.org.
CONFERENCE THANK YOU

Paul Andersen

The annual conference is now behind us for 2011, and I would like to thank everyone who made it a success. Yet, it seems when you try to recognize and thank everyone involved, you seem to always miss someone—for that, I apologize in advance. It takes quite a few people to make this kind of event work smoothly, some working out in front and obvious, others in the background, transparent to all but a few. I will say that it is very satisfying to be involved with an organization that has so many people willing to give their time and effort to make an event like this work. A Big Thank You to all of the following:

Banquet Auction Coordination: Chuck and Jeanne Sowers
Auctioneers: Dewey Caron, Alan Ehry, Pat Heitkam, and Chuck Sowers
Spotters: Andy Angstrom, Torey Johnson
Auction Tracking: Carolyn Breece, Kathy Kowash, and Jeanne Sowers
Silent Auction Coordination: Deb Morgan
Honey Bee Lab: Emily McSwane-Mock and Matt Stratton
Historical Display: Joy Markgraf
Honey Judging: Marjie Ehry
Music: Betsey Miller, Judy Scher, and Kenny Williams
Printing, Documentation: Rosanna Mattingly
Registration Coordination: Terry Fullan
Registration: Mary Andersen, Carolyn Breece, Terry Fullan, and Paul and Kathy Kowash
Speakers: Glen Andresen, Carolyn Breece, Dr. Dewey Caron, Susan Cobey, Dr. Debbie Delaney, Darren Gorden, George Hansen, Pat Heitkam, Dr. Louisa Hooven, Jan Lohman, Randy Oliver, Douglas Remington, Dr. Tom Rinderer, Dr. Mike Rodia, Molly Romero, Dr. Ramesh Sagili, Dr. Steve Sheppard, Thom Trusewicz, Pam Woods, Heike Williams, and Judy Wu
Transportation Coordination: Bill & Mary Edwards

Note: A Big Thank You as well to Paul Andersen!

THE HONEY SHOW THAT WAS!

Marjie Ehry

My compliments to everyone who worked to make this year’s Oregon State Beekeepers Association Conference a success, especially the two members who entered the Honey Show. I know the honey crop was a real failure for most beekeepers, but when the plea for entries went out, Beverly Koch of Oregon City and Mark Johnson of Portland came to the rescue. Neither Bev nor Mark planned on being big winners or even thought that their entries were very good! Bev’s entry was mainly Blackberry honey, and Mark brought three varieties, Clover, Carrot, and Raspberry. All four were blue ribbon quality—except Mark had a few bubbles that hadn’t risen to the top. Understandably, when he told me he had forgotten to pack them. When leaving that morning, he suddenly remembered and went back to get them. Oh, the jars were a little sticky, too, but it was the spirit of the deed....

Left: Marjie Ehry (left) with Deb Morgan. Right: 2011’s winning entries!

Left: Marjie Ehry (left) with Deb Morgan. Right: 2011’s winning entries!

The three of us put our heads together and decided to save the Sweepstakes, Judge’s Choice, and People’s Choice Award Ribbons for next year when the “great honey crop of all honey crops” comes in. We are ready and waiting for next year! Take pride and remember the “BEST HONEY” in the world is yours. Watch The Bee Line for details, and plan now on entering in 2012!

THANK YOU, Banquet Auction Donors!

Bee Way Honey Pollination Inc
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Cats Paw Bees
Marge and Alan Ehry
Heitkam’s Honey Bees
Torey Johnson
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The registration area as it appeared before the raffle drawing, after which Mary Edwards spirited away George Hansen’s painting (below, left) and Debbie Noyes cradled home Pam Schultz’s quilt!

THANK YOU, George and Pam!

This young beekeeper-in-the-making enjoyed all the conference presentations, but in truth would really rather have had some of what Vince Vazza is chewing on while he visits with Kenny Williams.

THANK YOU, Silent Auction Donors!

Paul and Mary Andersen  
Anonymous  
Anonymous  
Dadant  
Terry Fullan and Lorraine Ortiz  
Glory Bee  
Sue Hansen  
House of Bees  
Bev Koch  
Morgan & Sons Honey Company  
National Honey Board  
Noyes Apiaries Inc  
Judy Scher  
Chuck and Jeanne Sowers  
Sowers Apiaries  
Vazza Farms Inc  
Kenny and Heike Williams

Note: Many of those who donated to the banquet and the silent auctions contributed more than one item. Thanks for all!

WELCOME, NEW & RENEWING MEMBERS!

Bill Ahaus  
Susan Alfano  
Paul Andersen  
Glen Andresen  
Andrew & Renee Angstrom  
Kelli Bartley  
Brian Baronian  
Kevin Beckman  
Carolyn Breeze  
Bryan Brown  
Greg Buhr  
Bunny Carter  
Mike Carter  
Tom Chester  
Steven Coffman  
Henry Condon  
Roberta Cranswick  
Gary Dillon  
Jordan Dimock  
Jim Fanjoy  
Dan Farrin  
Alvalea Fong  
Ed Giersch  
George Hansen  
Joe Hansen  
Matt Hansen  
Susan Hansen  
Kerry Haskins  
Ian Hensel  
Alvaro H Hernandez  
Alvaro P Hernandez  
Roel Hernandez  
Marc Huber  
Matthew Hutchens  
John Jacob  
Tom Jellison  
Mark Johnson  
Torey Johnson  
Melanie Kinne  
Paul Andersen  
Paul & Kathleen Kowash  
Josef Kruhler  
Phillip Lorenz  
Jerry Maasdam  
Fred Mann  
Paul Maresh  
Joy Markgraf  
Bob & Deb Morgan  
Vince Morgan  
Steve Oda  
Ken & Nancy Ograin  
Rick Olson  
Frank & Sheri Pendell  
Dan Phillips  
Sarah Red-Laurd  
Dennis Robbins  
Kyle Robbins  
Roy Schaafisma  
Chuck Sowers  
Jeanne Sowers  
Bonnie Swanson  
Kurt Swenson  
Patricia Swenson  
Chris Syker  
Jack & NorDelle Terry  
John & Marjorie Thelen  
Kim Vander Sys  
Vince Morgan  
Steve Oda  
Kurt Swenson  
Patricia Swenson  
Chris Syker  
Jack & NorDelle Terry  
John & Marjorie Thelen  
Kim Vander Sys

THANK YOU, Oregon Beekeepers, for your generous donations to the Oregon State University Honey Bee Lab. We are so grateful for your support. Thank you for your contributions through OSBA research funds, the donations from the Lane County, Southern Oregon, Tualatin Valley, and Willamette Valley groups, the donations at the silent and banquet auctions, and all that was contributed through the quilt and painting raffles. We are looking forward to continuing with honey bee research and extension activities in 2012. Please don’t hesitate to contact us with any questions, comments, or suggestions. We are here for you!

Sincerely,

Ramesh Sagili  
and the worker bees
HB2336 OREGON FARM DIRECT

Harry Vanderpool

The 2011 Oregon Legislature passed a bill related to farm-direct sales of certain foods including honey. The Oregon Farm Bureau, Oregon Farmers Market Association, and many other good people, both for and against, worked very hard to craft the bill, which was signed by Governor Kitzhaber. HB2336 allows for the processing and farm-direct sales of certain low pH foods, nuts, grains, eggs, and honey without a food safety license.

Specifically, this bill gives unlicensed honey producers, who sell farm direct, relief from ORS 585.010 – 585.220 and 616.695 – 616-755. In a nutshell, no fees or inspections as well as relief from specifications for processing facilities and sales facilities. The remaining bulk of food-safety rules still apply, however. All current labeling rules still apply with two additional required notices: “This product is homemade and is not prepared in an inspected food establishment” and “Not For Resale.”

What constitutes a farm-direct marketer? “Farm-direct marketer” means an agricultural producer who sells directly to the retail purchaser the agricultural products grown, raised, and harvested by that producer.

Commingling honey with other producers is not covered under this bill.

Although selling to stores is not allowed (this would be resale), consignment is. Honey sold under consignment must bear the required labeling with the name and business address of the consigning honey producer.

Farm-direct marketers who do not ensure the condition and safety of the food that they provide to retail purchasers may be required to obtain a food-safety license to continue operations.

Beekeepers with fewer than 20 hives would be well advised to consider Oregon’s “under 20 hive exemption” rather than take the “farm direct exemption.” The <20 hives exemption does not require the additional labeling. In addition, under this exemption, you can sell to stores and also sell wholesale.

Currently, the Oregon Department of Agriculture is rule making on HB2336 and intends to have that completed by January 1, 2012, when the bill becomes law.

FROM THE FAR SOUTH

Dewey M. Caron

Ramesh Sagili and I thank all the Oregon beekeepers who returned the pollination survey sent to the majority of commercial/semi-commercial beekeepers in the mail. We have tallied 26 returns from Oregon and Washington beekeepers, and an additional 25 from Idaho beekeepers thanks to a companion survey sent by Michael Cooper of the Idaho State Department of Agriculture. In a parallel survey, I have returns from 47 beekeepers in the East (from the Carolinas to New York) on pollination rentals. We are currently crunching the numbers and will have report ready in late December/January. If you still have the survey on your desk, we encourage you to take a few minutes and complete it for our data set. The return rate has been very good, and we THANK all who have sent information.

In an earlier Bee Line article, I mentioned that Project Apis m. was interested in collecting data on individuals who had problems moving bees into California for almond pollination. They have developed an informative flyer to advise beekeepers: A Guide for Honeybee Colonies Entering California, prepared by Meg Ribotto and Christi Heinz. The major concerns for bee truck entry at inspection stations are fire ants and small hive beetles. If you would like a copy of the guide, please contact Meg Ribotto at projectapis@gmail.com.

The flyer includes key contacts within the California Department of Food and Agriculture, who to contact for border station issues, and information on imported red fire ants. The flyer advises drivers to have specific unload locations (not just a PO Box address) and to arrive at the border station during normal working hours of 8 am to 5 pm. To avoid a delay at the border, beekeepers should practice BMPs to keep hives and pallets free of soil, weeds, and plant debris and, where available, have voluntary fire ant certification prior to transport into California.

Following the Oregon conference, I left Oregon to spend time with my wife’s family in Bolivia. We had a regional meeting of beekeepers in the tropical area and then another with beekeepers in my training project in the valleys of the Andes. Prior to the Bolivian meetings, I had a trip to the south of Brazil where I had the fortune to meet with the Weise family in Florianópolis (Santa Catalina State). The grandfather, Helmut, was well known for his work with beekeepers, for his basic textbook (Novo Apicultura), and for development of a once-popular tourist attraction, City of Bees, a nature preserve to promote bees that included a training facility (with colonies), extraction facility, and a laboratory to certify the quality of local products. The lab and tourist attraction are not functioning because of a change of government support, but the family continues to be major producers and venders of top-quality honey from the south of Brazil. They also sell native stingless bee honey and products with propolis.

Honey production here in southern Brazil was down last year (as it was in the United States), and the bees right now are hotter than in the past. Varroa has become more of a problem. Losses were 15–20 percent, which is higher than in past. Elevated Varroa levels in colonies in the south of Brazil and Bolivia are of concern. I believe Varroa is an issue because of importations of Italian bee stock in an effort to reduce the defensiveness of the bees. So, even here in South America, colony losses are higher than previous levels. It seems there is no paradise to escape to these days to avoid bee colony losses or evidence of lack of adequate governmental support for beekeepers.

WELCOME!

Todd Balsiger, new Portland Metro regional representative! Thank you, Bev Koch, outgoing rep!
Del Barber, new South Coast regional representative!
Linn Benton Beekeepers Association!
**2012 4-H BEEKEEPING ESSAY CONTEST**

Sponsored by *The Foundation for the Preservation of Honey Bees, Inc.*

The 4-H Beekeeping Essay is a great opportunity for 4-H members to research and write about honey bees. Cash prizes of $750, $500, and $250 will be awarded to the three top national winners. 4-H members can also use the information they gather to make an educational display for the fair. Essay contestants are not required to be enrolled in a 4-H beekeeping project.

The 2012 4-H Beekeeping Essay Contest topic is: “The Results of Honey Bee Pollination in my Community.”

Rules and guidelines for materials to be submitted can be found at: [http://oregon.4h.oregonstate.edu/4h-beekeeping-essay-contest](http://oregon.4h.oregonstate.edu/4h-beekeeping-essay-contest).

Essays need to be submitted to helen.pease@oregonstate.edu by **February 1, 2012**. The state’s winning essay will then be submitted to the national contest.

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**SWARM CALL LIST UPDATE**: Be sure to contact Thom Trusewicz if you want to be listed for SWARM CALLS in 2012. Listings are for OSBA members and updated annually. The listing is free.

**NEW ADS AND RENEWALS ON THE OSBA WEBSITE**

To place or renew an ad on the OSBA Website, include information that you want listed below. Your ad will appear at [www.osba.org](http://www.osba.org) until February 2013. Ads are $4 per listing in each category for OSBA members and $6 per category for nonmembers. Please check the categories you want to be listed in below and provide the text you want to be displayed in your ad.

Name of Advertiser or Business Name: _____________________________________________
Address: _____________________________________________________________________
Phone: ____________________________ fax: ______________________________________
email: ______________________________ Website: __________________________________

Product or Service:

- Bees for Sale
- Beekeeping Supplies
- Bee Removal
- Candles and Ornaments for Sale
- Custom Extracting
- Equipment
- Honey for Sale, gallon containers or smaller
- Honey for Sale, buckets or drums
- Pollination, 1–20 hives
- Pollination, more than 20 hives
- Propolis for Sale
- Queens for Sale
- Top Bar and Warre Hives
- Wax Buyers
- Wax for Sale, up to 20#
- Wax for Sale, more than 20#
- Category not Listed: ____________________________

Make check payable to Oregon State Beekeepers Association and mail to:
Thom Trusewicz, OSBA, 90041 Logan Rd, Astoria OR 97103.

Thank you for your support. The Web ads are the revenue source that keeps the OSBA Website on the Internet.
Happy New Year from Oregon Farm Bureau!

The Federal Motor Carrier Safety Administration’s ban on hand held cellular phones took effect on January 3, 2012. Drivers operating a Commercial Motor Vehicle (CMV) in interstate commerce who violate the restriction will face federal civil penalties of up to $2,750 for each offense and disqualification from operating a CMV for multiple offenses. Additionally, states will suspend a driver’s Commercial Driver’s License (CDL) after two or more serious traffic violations. Agriculture is not specifically exempt from this rule. The cell phone rule applies to anyone operating a CMV in interstate commerce whether or not a CDL is required. Please remember that interstate commerce doesn’t require that you cross the state line to be engaged in interstate commerce. Interstate commerce is considered to have occurred if the final destination of goods is beyond the state borders even if you have only transported it within the state (i.e., grain elevator, port, train, truck, etc.). This information should not be confused with an update sent out from OFB regarding Oregon’s state cell phone law. The state cell phone law was changed in the 2009 session to limit the use of cell phones while driving. There was a general provision that allowed use for “business purposes.” However, in practice it was considered by the courts and law enforcement community to be a loophole in the law and was eliminated in the 2011 legislative session by HB 3186. The long-standing exemption for cell phone use for your business purposes remains in statute. However, please be mindful that under FMSCA’s new restriction, if you are operating a CMV while doing interstate commerce, you may not use a hand held phone.

Note: Harry Vanderpool describes the need for calls as follows: “We load our semis for California in the evening and call our growers for a weather report to decide precisely when to leave in the morning. We get out onto I-5 and go 55 mph, which should put us at the unloading area at 6:00. As the trip progresses, we may get a call from the grower updating the itinerary. There are only two places we can stop along the way if we need to add an hour or so to the trip due to hot weather in California: the Siskiyou Summit or Weed. It is cold enough there to stop and park in the shade. We can speed up or slow down OR decide to hold over for x amount of time in those two places. We use our cell phones at least ten times per trip.”
State of the Bees—Continued from page 1

50 percent in the experimental colonies. There was no significant queen loss observed during these two small trials. We are monitoring the MAQS treatment hives for colony growth so that we can assess the consequences of 30–50 percent brood loss as a result of MAQS use. MAQS efficacy was about 95 percent, and mites inside the capped cells were also killed. We will provide more details on this experiment once the data analysis is complete.

Some thoughts/suggestions on use of MAQS: (1) larger colonies appear to aerate the formic acid fumes well hence had less brood mortality compared to relatively smaller colonies, (2) better ventilation might help to reduce negative effects, (3) smaller colonies (6–7 frames bees) may need a lower dose than recommended, and (4) the nutritional environment of the hive appears to play a significant role during the application of MAQS. It appears that poor nutritional environment during application of MAQS may lead to greater brood loss and possible queen loss.

Apiguard (Thymol Formulation)

We tested several combinations of Apiguard with regard to dose and position of application in a hive to assess the impact on brood and efficacy of Apiguard. The following table summarizes the results:

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Decrease in Uncapped + Capped Brood (%)</th>
<th>Mite Mortality (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 gm on top with spacer</td>
<td>18</td>
<td>77</td>
</tr>
<tr>
<td>50 gm in middle with spacer</td>
<td>26</td>
<td>86</td>
</tr>
<tr>
<td>50 gm on top without spacer</td>
<td>26</td>
<td>73</td>
</tr>
<tr>
<td>50 gm in middle without spacer</td>
<td>39</td>
<td>80</td>
</tr>
<tr>
<td>25 gm on top with spacer</td>
<td>26</td>
<td>75</td>
</tr>
<tr>
<td>25 gm in middle with spacer</td>
<td>22</td>
<td>84</td>
</tr>
<tr>
<td>25 gm on top without spacer</td>
<td>26</td>
<td>71</td>
</tr>
<tr>
<td>25 gm in middle without spacer</td>
<td>37</td>
<td>82</td>
</tr>
</tbody>
</table>

Nosema Study

The objectives of this study are to: (1) develop economic threshold for *Nosema ceranae*, (2) study the epidemiology of *Nosema ceranae*, (3) evaluate the efficacy of Fumagillin delivery methods, (4) develop a reliable and simple sampling protocol to estimate Nosema spore counts in infested colonies, and (5) study the effects of Fumagillin on gut microflora. This is an ongoing study. The graph to the left illustrates the seasonal phenology (intensity) of Nosema in commercial beekeeper colonies during different times of the year.

Board Meeting Minutes—Continued from page 3

farm use. Bees are indeed acceptable as farm use, and the apiary, including foraging grounds, should count as such. John will write an article for The Bee Line regarding this important issue.

Tillamook County: Bob Allen reported steady attendance at the Tillamook County Beekeepers Association.

Tualatin Valley: Kevin Beckman stated that TVBA has many new members and about 55 regular attendees. Kevin also reports that discussions are returning to beekeeping basics. They have a new venue and a wide variety of speakers at their meetings. They are planning a Christmas party in December and a bee school in January or February.

Matching Donations

Three clubs have donated to OSU research this year, and some are in the works. For 2012, OSBA will continue to match club donations of up to $500 per club, per year. Thank you for your donations and for supporting honey bee research.

Northwest Apiculture Fund

Kenny Williams gave us a detailed report on the Northwest Apiculture Fund. Currently, the fund has $64,040.05 in principle and $21,637.44 in expendable funds. The Northwest Apiculture Fund Committee (Kenny Williams, George Hansen, and Jan Lohman) met with Oregon State University officials to discuss combining this fund with the OSU Apiculture Endowment, as they share similar goals. Oregon State University did not want to limit the funds to only honey bee research, whereas the OSBA committee did; therefore, the funds will remain separate at this time.

Jan Lohman pointed out that Central Oregon Seeds Inc (COSI) has collected 50 cents per colony from beekeepers pollinating COSI’s vegetable seed crops. The money will be put into OSBA’s Northwest Apiculture Fund rather than COSI’s Apiculture Endowment. The vegetable seed growers have also made a substantial contribution to this fund.

Connecting OSU Researcher Ramesh Sagili with Northwest Commodity Groups

Kenny Williams reported to the board that he and other commercial beekeepers have attempted to introduce Ramesh Sagili to leaders of different Northwest commodity groups. Such meetings would make the
commodity groups aware of the new research program at Oregon State University, and Ramesh would learn about the issues that each group faces with respect to pollination. For example, Mark Johnson took Ramesh to meet with the Oregon Meadowfoam Growers. Ramesh gave the group a presentation about his research at OSU. Then, he and Mark took the group out to some beehives, where they discussed practical aspects of commercial beekeeping. They even got the meadowfoam growers to suit up and look at some examples of good and bad colonies. Ramesh has also visited with the Oregon Blueberry Commission and the Oregon Cherry Growers. Kenny is seeking other commercial beekeepers willing to accompany Ramesh to meetings with the clover groups and pear growers.

2012 Donations
The Executive Board discussed donation distributions for 2012. Dewey Caron was described as a “powerhouse” and “gold mine” and was acknowledged for his significant contributions to Oregon beekeepers. Although we wanted to give Dewey the moon, we respected his wish to not take additional funds from OSU research. Thus, Del Barber motioned to donate $1,000 to Dewey Caron for 2012. Paul Andersen seconded the motion, and the board unanimously approved.

We also wanted to acknowledge Steve Sheppard for his research at Washington State University. Paul Andersen motioned to donate $1,000 to Steve Sheppard’s research. John Jacob seconded the motion, and the board unanimously approved.

Education programs are important to OSBA members, and we wish to support them as well. Marge Ehry proposed to donate $500 each to Ag in the Classroom and the Summer Ag Institute, and $250 to 4-H (4-H will be addressed further during the January Executive Board Meeting). Bob Allen motioned to accept this proposal. Jason Rowan seconded the motion, and the board unanimously approved.

Finally, the OSBA wishes to donate to Ramesh Sagili’s research and the OSU Honey Bee Lab. Harry Vanderpool motioned to donate $10,000 to OSU. Judy Scher seconded the motion, and the board unanimously approved.

Oregon Master Beekeeper
Carolyn Breece announced that after two years of planning, the Oregon Master Beekeeper program will make its debut at the OSBA fall conference and will begin accepting applications for Apprentice Beekeeper certification. For more information or to apply online, please visit the program’s new website: www.oregonmasterbeekeeper.org.

Standards of Identity and Quality of Honey
The Standards of Identity of Honey (House Bill 2947) “requires the State Department of Agriculture to adopt rules establishing standards of identity and quality and labeling requirements for honey sold in Oregon.” The bill is now in the rule-making phase. A draft of these standards will be published in The Oregonian and Capital Press. On January 1, the rules will become law! We thank Fred VanNatta, George Hansen, Paul Andersen, and Jan Lohman for their time and effort in getting the rules established.

DONATIONS TO THE NORTHWEST APICULTURE FUND FOR HONEY BEE RESEARCH, EXTENSION, AND EDUCATION

- Make your check out to: OSU FOUNDATION
- On the memo line, take care to write: THE NORTHWEST APICULTURE FUND FOR HONEY BEE RESEARCH, EXTENSION, AND EDUCATION
- Mail to: Oregon State University Foundation at 850 SW 35th St, Corvallis OR 97333-4015

If you have any questions regarding details of the fund or how to donate, please contact Kenny Williams, Chair of the OSBA’s Endowment Fund, at 541.456.2631.

IMPORTANT: Making your check out only as described above ensures that your donation is correctly applied to the appropriate Endowment and not to any other program.
**Honey Processing (House Bill 2336)**

House Bill 2336 “exempts agricultural producers selling specified agricultural products directly to retail purchasers from state laws regulating produce dealers and food establishments.” Harry Vanderpool gave us an explanation of the bill in terms of honey processing. If a beekeeper is selling honey directly to the consumer or end-user, the beekeeper is exempt from any food-licensing rules. Only a few labeling restrictions apply. Harry will describe the bill in more detail in *The Bee Line.*

**Pesticide Booklet:** Though published in 2006, the extension publication, *How to Reduce Bee Poisoning from Pesticides,* could use some updating. The publication mentions some old pesticides that are currently being phased out and needs to mention new ones being introduced. Funding is available to update the publication.

Please don’t forget that each local association will receive one free registration for the 2012 fall conference!

The OSBA Executive Board Meeting adjourned at 5:32 pm.

Respectfully submitted,
Carolyn Breece

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**OSBA GENERAL MEMBERSHIP MEETING**

Seaside, Oregon
November 18, 2011

President Jan Lohman called the OSBA General Membership meeting to order at 5 pm.

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**2011 At-A-Glance**

Jan Lohman gave OSBA members an overview of important accomplishments of 2011:

- Hopguard was approved as a mite treatment for Oregon beekeepers through a Section 18 emergency exemption.
- OSBA has a new logo featuring Oregon crops and flowers which bees pollinate.
- The booth at the Oregon State Fair was a great success! The Honey Queen was here for much of the event.
- A new program was implemented to encourage research donations from branch associations. If a bee club makes a donation to the OSBA Research Fund, the OSBA will match the donation of up to $500 (per club donation, per year). A few clubs participated in the program, and OSBA will continue it for another year.
- Rosanna produced a directory of OSBA members. She will update the directory for distribution in early 2012.
- OSBA and OSU were awarded a $75,000 grant from the Oregon Department of Agriculture to implement the Oregon Master Beekeeper program and for pollination research studies at OSU.

**OSBA Donations**

At the Executive Board meeting on November 17, 2011, board members approved the following donations:

- $10,000 to Ramesh Sagili/Oregon State University for his honey bee research program,
- $1,000 to Dewey Caron for his time and travel to bee events around Oregon,
- $500 to Summer Ag Institute,
- $500 to Ag in the Classroom,
- $500 to OSBA Donations
- $1,000 to Steve Sheppard/Washington State University.

**Minutes**

Minutes of the 2010 General Membership Meeting (October 2010, Hood River, Oregon) were read by Carolyn Breece, secretary. Kurt Swenson motioned to accept the minutes as printed in *The Bee Line,* and Nancy McFarlane seconded the motion.

**Treasurer’s Report**

Paul Kowash explained the different OSBA accounts that he is managing. Paul will be using Quickbooks for nonprofit organizations to streamline the accounting process. He will publish a full year report of OSBA finances in the January–February *Bee Line.* We applauded Paul Kowash for stepping in as treasurer in 2011.
The Bee Line
Rosanna Mattingly would like to thank Phyllis Shoemake, Marge Ehry, and the late Bill Ruhl for donating old Bee Lines to include in the collection that she has put together. She would like to remind members to submit items to publish in future Bee Lines.

Webkeeper’s Report
Thom Trusewicz is happy to return as the OSBA webkeeper. In February, he will update the swarm call list, so contact Thom if you would like your name on the list.

Regional Representative Reports
North Coast: Terry Fullan reported a mediocre year in bees. The Tillamook Beekeepers Association will have a potluck in December, and will elect officers in February.

South Coast: Del Barber is our new South Coast regional representative. He reported that the Coos County Beekeepers Association has about 20–25 members attending meetings. Many in Curry County are interested in forming a group. The area did not experience a great honey flow. It was a fair season, averaging 20–25 percent colony loss.

Columbia Basin: Bill Edwards was happy to announce that John Kraus has started a new bee club that includes members from Oregon and Washington. The new club will soon be part of OSBA.

Portland Metro: Bev Koch highlighted new bee-related activity in the Portland Metro area. Zenger Farms has been teaching bee classes, and a new bee shop in town makes hives out of recycled materials.

Southern Oregon: John Jacob reported that the Southern Oregon Beekeepers Association has many new members. Over 80 attended their bee school. John would like to remind Oregon beekeepers that bees are considered acceptable “farm-use.” Farm-use rights should extend beyond the apiary site, as bees may use adjacent land for foraging grounds.

North Willamette Valley: Harry Vanderpool announced that the Willamette Valley Beekeepers Association has 198 members! Their bee school had 98 attendees.

Regional Association Reports
Lane County Beekeepers Association: Judy Scher reported that LCBA participated in many successful events in 2011: their annual bee school, bee day at Lynn Royce’s place, the Home Show, Lane County Fair, and a few talks at schools. She reported on one bear incident in Lane County.

Portland Metro: Nancy McFarlane reported that the Portland Metro Beekeepers Association has about 70 members, 50–55 of whom regularly attend meetings. They have a good mix of new people and seasoned beekeepers.

Master Beekeeper
Carolyn Breece urged members to attend the Master Beekeeper presentation at the OSBA conference, where details of the program will be unveiled and the program will officially begin.

Standards of Identity of Honey [See Board Meeting Minutes]

Honey Processing (House Bill 2336) [See Board Meeting Minutes]

2012 OSBA Fall Conference
Mark your calendars for the 2012 OSBA fall conference. It will be held in Seaside, Oregon, on November 1, 2, and 3, 2012. Paul Lundy of the Washington State Beekeepers Association announced that because the Western Apicultural Society meeting will be in Washington in 2012, WSBA will hold its annual meeting up there. In 2013, WSBA would like to team up with OSBA again and hold a joint meeting.

Pesticide Booklet [See Board Meeting Minutes]

Nominations
Regional Representatives
North Coast: Terry Fullan
South Coast: Del Barber
Columbia Basin: Bill Edwards
Eastern Oregon: Jordan Dimock
Portland Metro: Open
Southern Oregon: Open
North Willamette Valley: Harry Vanderpool
South Willamette Valley: Jason Rowan

Dewey Caron motioned that the nominations be accepted as presented. Mike Rodia seconded the motion.

Officers
President: Jan Lohman
Vice President: Paul Andersen
Treasurer: Paul Kowash
Secretary: Carolyn Breece

Nancy McFarlane motioned to accept the nominations as presented. Kerry Haskins seconded the motion.

The 2012 OSBA General Membership meeting adjourned at 6:10 PM.

Respectfully submitted,
Carolyn Breece
MAGAZINE SUBSCRIPTIONS

Please use the forms provided here, with current pricing information, to subscribe to magazines at the discounted rates offered to OSBA members. Take care to renew subscriptions before they expire to avoid lapses in subscriptions.
The Oregon State Beekeepers Association is a 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. You 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, discounts on publications, and an annual subscription to The Bee Line. For new memberships and renewals, please send check made payable to OSBA with this completed form to:

Paul Kowash, 5959 SW Taylors Ferry Rd, Portland OR 97219

Name: ________________________________________ New ___ Renewing ___

Additional name(s) for added memberships at the same address:
__________________________________________________________________

Mailing address: ______________________________________________________

City/State/Zip: ______________________________________________________

Telephone number: ________________   email address: ___________________

Contact information: The OSBA respects the privacy of members. Please check if you do not want your contact information included in a membership directory sent to OSBA members only: Do not include contact information _____

Please also check if you want to share only a portion of your contact information:
Share only mailing address: _____ phone number(s): _____ email address: _____

Local group, if member: _____________________________________________

Membership: $25 per person ($34 per person outside the US) $_________

Voluntary contribution(s):
General Fund $________
Research Fund $________

Total amount enclosed: $________

Thank you!

To place an order for a T-Shirt with the OSBA logo, please complete this form and mail with check made payable to Oregon State Beekeepers Association to: OSBA T-Shirt, 4207 SE Woodstock Blvd Ste 517, Portland OR 97206.

Cost: $15 + $3 for shipping and handling per shirt. Amount enclosed: ____________

Color: _____Cranberry     _____Navy

Size: Men’s _____ S _____ M _____ L _____ XL _____ XXL; Women’s _____ S _____ M _____ L _____ XL _____ XXL

Mail to: ______________________________________________________________________________________

Street address___________________________________________________________________________________

City_____________________________________________________ State ____________ Zip code ______________
Note: For new memberships and to renew, see form on page 19.

In seed time learn, in harvest teach, in winter enjoy.
—William Blake

The Bee Line
Newsletter of the Oregon State Beekeepers Association
4207 SE Woodstock Blvd Ste 517
Portland OR 97206

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

Please send news about your bees and your experiences in keeping them, as well as your corrections, comments, questions, photographs and stories (both from “old” times and “new”), interviews, recipes, and points of view to: Rosanna Mattingly, The Bee Line, 4207 SE Woodstock Blvd Ste 517, Portland OR 97206; email: osba.newsletter@gmail.com.

The next issue to be printed will be the March 2012 issue. The deadline for submitting copy is February 10, 2012.

Thank you!

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Per Issue

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Quarter page $25.00
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Full page $100.00

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