

November 2014

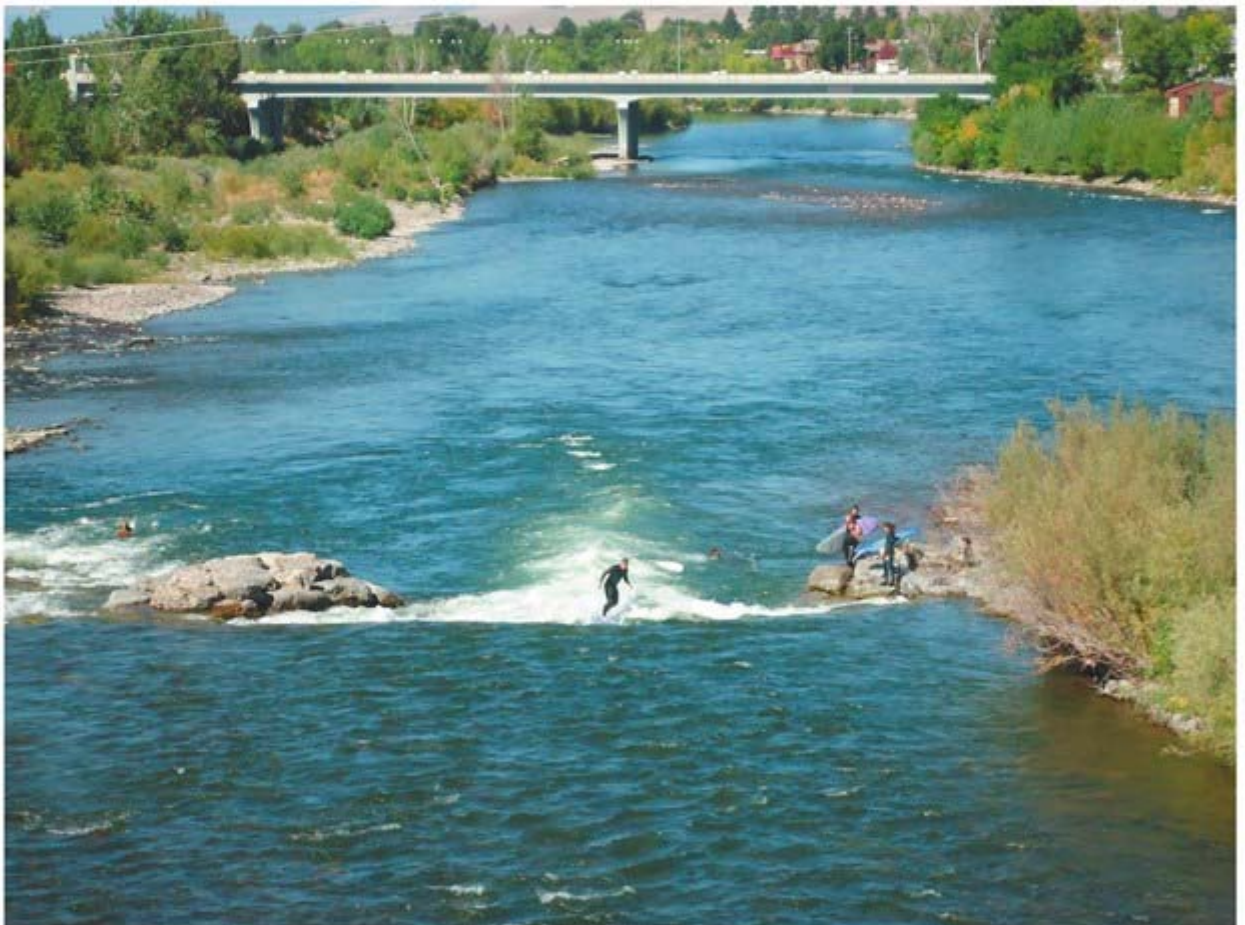


[ucanr.edu/sites/was2](http://ucanr.edu/sites/was2)

**W.A.S.**

**Journal**

**Journal of the Western Apicultural Society of North America**



*Missoula is a glorious outdoor playground. River surfing downriver from the University of Montana campus, almost into downtown Missoula. Kevin French photo*

# Western Apicultural Society of North America

## 2015 EXECUTIVE & BOARD OF DIRECTORS

<b>President</b>	Beth Conrey 1617 White Water Ct. Berthoud CO 80513 970-213-3099 <a href="mailto:coconrey4@msn.com">coconrey4@msn.com</a>	<b>California</b>	Archie Mitchell 1520 N B Court Lompoc CA 93436 805-291-3279 <a href="mailto:archibald_178@hotmail.com">archibald_178@hotmail.com</a>
<b>Past President</b>	Jerry Bromenshenk 200 Rimrock Way Missoula MT 59803 406-544-9007 <a href="mailto:waspresident2014@gmail.com">waspresident2014@gmail.com</a>	<b>Colorado</b>	Miles McGaughey 936 Alta Longmont CO 80501 720-771-4304 <a href="mailto:mmcgaughey1@live.com">mmcgaughey1@live.com</a>
<b>1st Vice President</b>	TBA	<b>Hawaii</b>	Jenny Bach PO Box 65 Papaaloa HI 96780 808-640-0278 <a href="mailto:jenny@beelovehawaii.com">jenny@beelovehawaii.com</a>
<b>2nd Vice President</b>	TBA	<b>Idaho</b>	Sherry Olsen-Frank (See Treasurer)
<b>Secretary</b>	Betty Farber 3249 Schubert Rd, Kamloops BC V2B 6Y4 Canada 250-579-8518 <a href="mailto:ian_farber@telus.net">ian_farber@telus.net</a>	<b>Montana</b>	Scott Debnam Division of Biological Sciences 32 Campus Drive, HS 110 University of Montana Missoula MT 59812 406-243-5648 <a href="mailto:Scott.Debnam@umontana.edu">Scott.Debnam@umontana.edu</a>
<b>Treasurer</b>	Sherry Olsen-Frank PO Box 5274 Twin Falls ID 83303-5274 208-735-5353 <a href="mailto:magicvalleybees@gmail.com">magicvalleybees@gmail.com</a>	<b>Nevada</b>	Debbie Gilmore 4 Cottonwood Lane Yerington, NV 89447 775-220-5567 <a href="mailto:dgilmore88@yahoo.com">dgilmore88@yahoo.com</a>
<b>At-large Exec. Member</b>	TBA	<b>New Mexico</b>	Jessie Brown 101 Forrester Ave NW Albuquerque, NM 87102 505 710-3277 <a href="mailto:brownsdowntownbees@hotmail.com">brownsdowntownbees@hotmail.com</a>
<b>DIRECTORS</b>		<b>Oregon</b>	Dr. Dewey Caron 15965 Queen Victoria Place Portland, OR 97224 302-353-9914 <a href="mailto:dmcaron@udel.edu">dmcaron@udel.edu</a>
<b>Alberta</b>	Bob Keenan 11 Sunset Park Cochrane AB T4C 0N4 Canada 403-981-1657 <a href="mailto:keenanr@shaw.ca">keenanr@shaw.ca</a>	<b>Utah</b>	VACANT
<b>British Columbia</b>	Ian Farber 3249 Schubert Rd, Kamloops BC V2B 6Y4 Canada 250-579-8518 <a href="mailto:ian_farber@telus.net">ian_farber@telus.net</a>	<b>Washington</b>	James K. Smith 19909 122nd St. Bonney Lake WA 98391 253-222-4824 <a href="mailto:jksmithpe@comcast.net">jksmithpe@comcast.net</a>
<b>Saskatchewan</b>	Doreen Bradshaw 2812 Fleury St. Regina SK S4N 2M4 Canada 306-761-0995 <a href="mailto:dbradshaw@myaccess.ca">dbradshaw@myaccess.ca</a>	<b>Wyoming</b>	VACANT
<b>Yukon</b>	VACANT	<b>Journal Editor/Historian:</b>	Fran Bach PO Box 397, Selah WA 98942-0397 Phone 509-573-4245 <a href="mailto:febach3@gmail.com">febach3@gmail.com</a>
<b>Alaska</b>	Dr. Joe Carson PO Box 110828 Anchorage AK 99511 907-727-8200 <a href="mailto:dr.joecarson@gmail.com">dr.joecarson@gmail.com</a>		
<b>Arizona</b>	Zack Funke 9 E. Redondo Drive Tempe AZ 85282 480-399-1169 <a href="mailto:zackfunke@gmail.com">zackfunke@gmail.com</a>		





## Goodbye Montana, Hello Colorado!

*By Jerry Bromenshenk, Retiring WAS President*

The 2014 Western Apicultural Conference (WAS), the 2nd International Conference on Hive and Bee Monitoring, the WAS short courses, and the 1st Annual Honey Harvest Festival are now history. Thanks to all who worked so hard to make this conference a success and thanks also to everyone who came to the Garden City for these events.

A very special thanks goes to Frances Bach, the recipient of this year's Outstanding Service to Beekeepers Award. She works tirelessly for this organization and is far more than simply an editor or communications person. She pays attention to every detail, dotting the i's, crossing the t's; so it was quite a feat to surprise her with this award.

Your new President is Beth Conrey. The 2015 Conference will be held in Colorado, another beautiful state with lots of recreational and outdoor activities readily available. Beth will convene a committee to select a WAS Conference site for 2016 within the next 60 days. UC Davis has been proposed for 2017, when WAS turns 40. It will be a WAS homecoming, since Norm Gary and Eric Musen started WAS with a meeting there.

From my perspective, Wednesday through Friday events went off with almost clockwork precision. Saturday morning's short courses had a rocky start, the Color Run staffers were not properly briefed, so some of our people had cars turned away. UM security was so busy with the run, we had problems getting one of the buildings with classrooms opened for the short courses.

Still, most everyone was a good sport and by 9 a.m., things were moving along. Saturday afternoon had good attendance at the Honey Harvest Festival. The UM President, Royce Engstrom, attended. Both he and the Montana area beekeepers enjoyed the Harvest Festival, and they are committed to making this an annual event at UM – maybe try a Griz game weekend when the campus is flooded with football fans.

I heard lots of praises for the dinner events, Ekstroms Stage Station, the Kyra Jean Williams Feastival, and the Double-tree banquet – all worked hard to make things special. By far, one of the most popular presentations was by Kelly Chadwick and Kristine Csorosz. Some of their Bee-Loved Plants of Montana are posted on the WAS Facebook page. And WAS now has a Facebook page and also has On-Line registration, courtesy of Sarah Red-Laird, of the Bee Girl Organization, located in Oregon.

I was pleasantly surprised at the turnout for the Hive and Bee Monitoring International Workshop. I envisioned this as limited attendance, pre-conference workshop, intended mainly for those of us focused on developing new tools for bee management. I'm glad that my Executive Committee encouraged me to open it up to the Conference.

The Saturday workshops were an experiment – we had the speakers, it seemed reasonable to take advantage of their expertise. I deliberately scheduled more short courses than any one person could attend – I had no notion of how many people would attend, since these short courses were open to the local community. If we had had only a few courses and then had a big turnout from the area bee clubs, we would have had to turn people away. Hopefully, Beth and her helpers can build on our experience.

By far, this WAS meeting had one of the most diverse set of attendees that I can remember at a WAS conference. Small or large, new or 5th generation, young beekeepers, local and international, even participants from east of the Mississippi, we had them all. The four-day program was intended to illustrate the breadth and depth of the problems facing contemporary beekeepers. These issues are multifactorial and complex. Importantly, the speakers also came from many different backgrounds, and each focused on educating. If some of the talks were 'over-your-head', consider learning more about the topic or discipline, both you and your bees will benefit. That also means that some of the talks may have made some of you uncomfortable. As an educator at a University, one of my jobs is to inform about things that maybe they didn't know; cause them to pause and think. For example, Ambassador Hughes was not advocating for or against neonicotinoid pesticides. His purpose was to give beekeepers a realistic view about how Washington views beekeepers and their requests for help, weighed against other issues at hand.

Randy Oliver correctly summed up the focus of the Ambassador's talk: "our industry loses credibility the moment that we are caught being associated with exaggerations or misinformation. We are more respected when the regulators see us as being knowledgeable and honest."



The more pertinent point is that by allowing activists such as Dr. Lu to gain such prominence that they get the ear of Congress, is that Congress is then distracted by the tunnel vision focus upon the neonics. Nearly every piece of evidence that I've seen suggests that it is other classes of pesticides that are causing more problems to bees.

Our legislators, as Philip pointed out, are looking for something simple "to do about the problem" in order to appease their constituencies. My fear is that instead of addressing the pesticide issue overall, they will simply force an ill-advised ban on the neonics, leaving us in a worse situation than before. If such an across-the-board ban takes place and our industry later approaches Congress, saying that we still have problems with pesticides (which I'm sure we would be forced to do), we would then be in the position of The Little Boy Who Cried Wolf. Congress would feel that we had burned them, and would not be interested in helping us any more. I feel that we should listen carefully to the valuable messages that Philip shared with us. He knows how the wheels of government work; we can learn a great deal from him.

I concur with Randy and Philip. The key message is that beekeepers currently have the attention of the media, of the public, of Congress and of the White House. To fully realize this opportunity, beekeepers must be well informed and able to craft a clear, unified message. We see the two national beekeeping associations now pulling together, which is long over-due.

Do not be fooled by Dr. Lu's association with Harvard. His work has resoundingly been rejected by the scientific community and EPA – his work is based on a specious argument. He has not shown that CCD is caused by imidacloprid in HFCS. First, he hasn't induced CCD, he's killed bees. Second, he keeps adjusting his doses upward until he can see an effect – he poisons bees at levels that even the manufacturers expect will kill bees. And third, as Randy pointed out, no one has ever found even a single sample of corn meal containing any neonicotinic pesticides. Since people consume corn meal, hundreds of samples of corn meal are analyzed each year – to protect you and me. HFCS is made from corn meal. No pesticide in corn meal means no pesticide in corn syrup – short of accidental or deliberate contamination of the syrup itself.

This does not mean that there are not legitimate concerns about this category of pesticides and potential hazards to honey bees, but one does not have to make up ridiculous scenarios, nor should any beekeeper want to champion bad or false work just to try to make a point. That destroys all credibility.

Returning to the Conference itself, there was a rumor going around that there was to be dancing at the Bee Buzz Social. That reflects a misreading of the agenda. There was round and square dancing in front of University Hall, below the clock tower at the Kyra Jean Williams Festival, but I didn't see many of our members taking part. There was also a band at the Next Generation Beekeepers' Summit at the Stensrud building in downtown Missoula. So if you didn't find the dancing, you were looking in the wrong places.

Finally, I am thankful to live in Missoula, where Nature provides a wonderful backdrop, and our University a great venue for meetings such as these. Dean Roger Maclean and his staff at SELL (School of Extended and Lifelong Learning), the UM President and Council of Deans, and many others were very supportive of our 'Week of the Bee'. UM Dining Services provided exceptional meals and breakout snacks; and their Farm to Campus programs that use locally grown produce provide models for promoting local and sustainable agriculture that you may wish to point out to schools in your own areas. So, even the food was 'educational'. Hopefully, everyone enjoyed the week as much as we did.

**4 November 2014**

## **WAS Presidents to date**

- 1978 Norman Gary (California)
- 1979 Lucien Alexander (Oregon)
- 1980 Randy Barker (British Columbia)
- 1981 Charles Duncan (California)
- 1982 William P. Nye (Utah)
- 1983 John Edwards (Washington)
- 1984 Eric Mussen (California)
- 1985 Mike Burgett (Oregon)
- 1986 Doug McCutcheon (Br. Columbia)
- 1987 Tom Muncey (Nevada)
- 1988 Dan Mayer (Washington)
- 1989 Stan Williams (California)
- 1990 Mark Shelton (California)
- 1991 William P. Nye (Utah)
- 1992 Mike Burgett (Oregon)
- 1993 Mark Winston (British Columbia)
- 1994 James Bach (Washington)
- 1995 Eric Mussen (California)
- 1996 Russell Messing (Hawaii)
- 1997 Eric Erickson (Arizona)
- 1998 Steve Sheppard (Idaho)
- 1999 Leonard Joy (Nevada)
- 2000 Fletcher Miller (Alaska)
- 2001 Mike Burgett (Oregon)
- 2002 Eric Mussen (California)
- 2003 Jaquie Bunse (British Columbia)
- 2004 Jerry Bromenshenk (Montana)
- 2005 Steve Sheppard (Washington)
- 2006 Adrian Wenner (California)
- 2007 Diana Sammataro (Arizona)
- 2008 Mark Pitcher (British Columbia)
- 2009 Eric Mussen (California)
- 2010 Dewey Caron (Oregon)
- 2011 Jenny Bach (Hawaii)
- 2012 James K. Smith (Washington)
- 2013 Melanie Kirby (New Mexico)
- 2014 Jerry Bromenshenk (Montana)
- 2015 Beth Conrey (Colorado)



9" One-Piece Frames

Snap-In Foundations



Drone Frames

6" One-Piece Frames



Call us today!

**(800) 233.2662**

Visit us online at

**pierco.com**

Pierco Inc. • 10309 Regis Court • Rancho Cucamonga CA • 91730 • USA



## It's Boulder, Colorado, October 1 - 3, 2015!

The Colorado State Beekeepers Association (CSBA) is excited to host the 38th annual WAS conference in 2015! It will be held in beautiful Boulder on October 1-3, 2015. It is a magnificent time of year to visit Colorado. Just this evening, I looked out my back window to see a sow and 2 cinnamon cubs running north (past the bee hives as vs. towards, thankfully). The aspen are in their full golden regalia; the mountains white-topped. Jerry is correct in saying that there are a lot of recreational opportunities here. But whether you are an avid outdoorsman or just an avid admirer of the great outdoors, we welcome you to our beautiful state.

The theme for the 2015 conference will be: Healthy Bee/Bee Healthy. The first 2 days will be devoted to issues surrounding bee health and the final day will be open to the public and will be geared towards promoting bees, and the products of the hive, for human health.

The CSBA Winter Meeting will be held on November 8th and we will begin the formal organizational tasks of hosting the WAS conference. Although the venue and theme have been decided, there is still a LOT of work to be done. Do you have any ideas or thoughts that you would like to share? Please do so! I can be reached at 970-213-3099 or at [president@coloradobeekeepers.org](mailto:president@coloradobeekeepers.org).

Fran asked me to write a bit about myself, too.

I was always a bit buggy in my youth and collected bugs in 4H. I loved it—but stopped doing it when I became a teenager. I went to college and earned my Master of Business Administration from the University of New Mexico in 1982. I worked for most of my corporate life in the foodservice industry.

I have been married to Mike for 33 years. Mike is an oil and gas consultant for Nobel Energy. We have 2 sons, Patrick who is a 5th year senior at Colorado State University and will (finally!) graduate this May with a degree in Natural Resource Tourism, and younger son, Christopher, a freshman at Arizona State University. He is currently in their design program.

I began keeping bees because of my friend Tom Theobald's ability to write about bees making them seem like the most magical things! I have been keeping bees for about 15 years now and began with 2 hives after attending the Boulder County Beekeepers Association's beginning beekeeping class. I now have 50 hives. My company is called Bee Squared—Beth's Bees. We sell retail and bulk honey, beeswax candles and soap. The business has been growing by leaps and bounds and is both time-consuming and gratifying.

I entered into the management side of beekeeping when I was asked to run for president of the Northern Colorado Beekeepers Association (NCBA). I was president of NCBA for 4 years. I was elected as president of the CSBA 4 years ago. I sit on the Board of the Pollinator Stewardship Council and on the Advisory Committee for the College of Bioagricultural Sciences at Colorado State University. I volunteer for the Denver Museum of Nature and Science as well as CSU's CP Gillette Museum of Arthropod Diversity — say that 3 times fast!

I am honored to serve as president of the Western Apicultural Society for 2015 and look forward to seeing you in Boulder next year.

*Beth Conrey*  
2015 WAS President



Supporting Colorado Beekeeping since 1880



**CSBA Winter Meeting**  
**Douglas County Fairgrounds**  
**November 8, 2014**  
**9-5**

**All beekeepers welcome!**

**[www.coloradobeekeepers.org](http://www.coloradobeekeepers.org)**



# Mite Away<sup>®</sup> Quick Strips



Formic acid gel strips for the treatment and control of Varroaosis caused by *Varroa destructor* in honeybees

## Mite Away Quick Strips<sup>®</sup> (MAQS) Arrests the Transmission of Viruses

MAQS are a 7 day treatment that should be used as part of an integrated Pest Management Program (IPM).

The strip's innovation is that the treatment successfully penetrates the brood cap, targeting mites where they reproduce, arresting the transmission of viruses. High mite loads throughout the beekeeping season can result in higher winter losses.

As part of your IPM program, perform regular mite checks throughout the season to ensure Varroa levels are under control. Treat for mites when the economic threshold for your area is reached. Typically treatments are needed in the spring, to protect the summer bees, and again in the autumn, to protect the bees that will make up the winter cluster.

MAQS<sup>®</sup> can be applied on single or double brood-chamber standard Langstroth equipment or equivalent. The colony cluster should cover a minimum of 6 frames. Having entrances fully open during the 7 day treatment is essential.

Mite Away Quick Strips<sup>®</sup> can be purchased through most bee supply outlets across the USA. A full list can be found on our website.



### HOW MITES MULTIPLY



Under the brood cap, doubling the population every 22 days



1 mite becomes 13 in 2 months (13 x 1 female)



In 12 weeks, the number of mites in a western honey bee hive can multiply by roughly 12



To learn more visit [www.NODGLOBAL.com](http://www.NODGLOBAL.com) or call 866 483 2929  
**HEALTHY BEES. HEALTHY PLANET.**

## Bee Love Campaign

NOD Apiary Products believes in the effort to save the Honey bee, so we started the "Bee Love Campaign" to raise funds for Honey bee research.

**You can help!** Buy any item from our Bee Love Clothing Line and NOD will donate \$1 of your purchase to an organization dedicated to Honey bee health.

Bee Love Shirts, any style, size or colour \$20.00 each

Bee Love Eco Bags, \$15.00 each

To order visit our online shop: [www.NODGLOBAL.com](http://www.NODGLOBAL.com)





## Minutes...

### Western Apicultural Society PRE-CONFERENCE DIRECTORS AND DELEGATES MEETING SEPTEMBER 17, 2014, UNIVERSITY OF MONTANA, MISSOULA

In attendance were Betty Farber, Ian Farber, Beth Conrey, Jim Smith, Cyndi Smith, Fran Bach, Miles McGaughey, Archie Mitchell, Debbie Gilmore, Dewey Caron, Jerry Bromenshenk, and Bob Keenan.

President Jerry Bromenshenk called the meeting to order at 12:01 p.m.

Treasurer's Report: Treasurer Sherry Olsen-Frank was not present at this meeting. However, a seven page report was submitted. The report included a balance sheet for WAS as of September 15, 2014, a profit and loss statement from January 1 through September 15, 2014, a statement of cash flows from Jan. 01 through Sept. 15, 2014, a balance sheet as of Dec. 31, 2013, a profit and loss sheet from October through December 2012, and a profit and loss sheet from January through December 2013.

A financial statement for the WAS Journal was also included with this report.

Moved Dewey Caron/Miles McGaughey that the treasurer's report be accepted as presented. Carried.

Chairperson's Report:

- a) Facebook Page: A brief discussion was held on whether this item has been started or if it is a work in progress.
- b) On-line Registration: This is close to being finalized. (*Editor's note: This was operational September 9th*)
- c) WAS logo: Discussion was held on whether to change the old logo to something more modern.

Moved Archie Mitchell/Miles McGaughey that the Board refine and update the current logo to reflect the new design. This motion was carried with 1 dissenting vote.

d) By-Laws Revision: Dewey Caron reported that he and Eric Mussen made some draft by-law revisions.

Moved Bob Keenan/Ian Farber that ARTICLE V, section 2 be amended to read as follows:

The business affairs of the Society between meetings of the Board of Directors shall be conducted by the Executive Committee consisting of the President, First and Second Vice-Presidents, Secretary, Treasurer, Past President and one additional Board Member as elected at the previous Board Meeting. The Executive Committee will adhere to Roberts Rules of Order when conducting Society business. Meetings may be requested by any member of the committee and may be conducted by conference call, video-conferencing, email, or any other commonly used distance conferencing technique. The full Board will be informed of business conducted and decisions reached. Carried.

Moved Dewey Caron/Miles McGaughey that ARTICLE X, section 4 read as follows:

Nominating Committee: There shall be a Nominating Committee of three individuals, appointed by the President, whose duty shall be to obtain nominations for Officers and Directors of the Society. Nominees for the offices of President and 1st Vice-President normally shall be members of the state or province in which the next conference of the Society shall be held. Nominees for 2nd Vice-President normally shall be members of the state or province in which the conference will be held two years subsequently, and be willing to participate in the three-year rotation of officials duties listed in Article 6, Section 6. The Nominating Committee shall complete the slate of officers by nominating, from the membership-at-large, a Secretary and a Treasurer, who may serve consecutive terms in office. Election of a Treasurer, nominated from the floor, is not acceptable. Carried.

Moved Bob Keenan/Beth Conrey that ARTICLE VI, Section 5 read as follows:

Accession to the office of Treasurer requires the elected person to be vetted by the Board and then bonded. The Treasurer shall approve and pay all bills for the Society and maintain accurate records of the Society's finances. The Treasurer shall be the Clerk of the Corporation. Carried.

Moved Beth Conrey/Ian Farber that ARTICLE VI, new section 2 read as follows:

All officers of the Society shall be granted complimentary full membership for the term of their office at no charge. Carried

Moved Fran Bach/Miles McGaughey that ARTICLE IV, section 2 read as follows:

The annual dues shall be payable in advance of the annual conference, and must be received by the Treasurer or Secretary/Treasurer no later than May 31st to maintain the membership. New members paying dues with conference registration will be considered paid in full through the end of the subsequent fiscal year. Carried.

Moved Dewey Caron/Beth Conrey that we as the Board move the revisions to the by-laws be adopted. Carried.

Moved Ian Farber/Miles McGaughey that the Board send thanks to Dewey Caron and Eric Mussen for their hard work on the by-law revisions. Carried.

**8 November 2014**



# INTRODUCING

- LYSON honey processing and extracting equipment for the beginner to professional
- Quality European construction
- Affordable prices
- State-of-the-art power regulation uses less energy
- Long-lasting solid-cast gears
- Self-engaging hand crank is safe and easy to use



Radial Honey Extractor

# LYSON



50cm Diameter Heating Coil  
(for honey in barrels)



Tangential Honey Extractor  
(with integrated table and strainer)



Two Frame Tangential Honey Extractor  
(with sieve and settler)



Hand Crank Honey Extractor  
(available for 2, 3 and 4 frames)

**NOW AVAILABLE EXCLUSIVELY IN THE USA FROM**

# Betterbee<sup>®</sup>

*Beekeepers Serving Beekeepers*

**www.betterbee.com • 1-800-632-3379  
8 Meader Road • Greenwich NY, 12834**



## OLD BUSINESS

a) T-shirt Collection/Photos/Historical Items: Discussion was held about how to handle and store these items. No decision was made.

## NEW BUSINESS

a) Conference Photographer/Video-Taping Conferences: Discussion was held on the need to have policy regarding videography of conference material because it can be an expensive item and could be an issue at future conferences.

b) Officers: This was not discussed at this meeting.

c) 2016 Site Selection:

Moved Archie Mitchell/Miles McGaughey that WAS meet in Davis in 2017.

d) Honey Bee Health Coalition:

Moved Dewey Caron/Ian Farber that WAS petition for membership in the Honey Bee Health Coalition at no cost to WAS. Carried.

Moved Dewey Caron/Bob Keenan that the meeting be adjourned. Carried.

The meeting was adjourned at 1:45 p.m.

*Betty Farber*

*Secretary for the Western Apicultural Society*

## New UC-Davis Extension Apiculturist

In September, Elina Lastro Nino took up duties as the new extension apiculturist at UC-Davis. Nino has been working with Dr. Christina Grozinger at Penn State University. She is known for her expertise on honey bee queen biology, chemical ecology, and genomics.

"She will devote 70% of her appointment to conducting practical, problem-solving research projects and interact with the beekeepers and industry concerns", according to the UC News.

Nino replaces Dr. Eric Mussen who retired on June 30th after 38 years in the position but "has agreed to remain active in an emeritus capacity and will be advising Dr. Nino on both her extension program and research activities."

*Photo and article quotes courtesy of UC Entomology & Nematology News*



**a great product made even BETTER!**

**✓ ALL NATURAL HONEY BEE FOOD SUPPLEMENT**

**OPTIMA®**  
HEALTHIER BEES  
FOR MAXIMUM PRODUCTION

**Contains**  
**15 Premium Essential Oils,**  
**Whole Plant Polyphenols,**  
**Complete Vitamins,**  
**Minerals and Amino Acids.**

Products are available at:  
**Dadant.com, eKoBeekeeping.com**  
**DrCarsons.com**  
and your local beekeeping equipment suppliers

## BEEKEEPER'S BEEHIVE BRANDER KIT

**Prevent Theft!**

**Mark your boxes and frames today!**

- Heavy duty
- Light but rugged - easy operation
- 1/2" and 1" characters available
- Designed to produce very deep brands
- Uses Standard 20 lb. propane BBQ tank

**BRAND NEW INDUSTRIES INC**

375 Pine Ave. #22  
Santa Barbara, CA 93117  
(800) 964-8251 BrandNew.net





## IN YOUR HIVES. OFF YOUR MIND.

In order to get the longest life out of *Varroa* control products, rotation is essential. Mite resistance can develop in a short period of time and that is why it is key to rotate your control materials with products like Apistan®. Rotating on an annual or semi-annual basis with products that have different modes of action will help manage mite resistance. Start your rotation program with Apistan®.

Always read and follow label directions. Wellmark International, Schaumburg, IL. Apistan and the Apistan logo are registered trademarks of Wellmark International. ©2009 Wellmark International.



Minutes....

**Western Apicultural Society  
ANNUAL BUSINESS MEETING**

**SEPTEMBER 19, 2014, UNIVERSITY OF MONTANA, MISSOULA, MONTANA**

President Jerry Bromenshenk called the meeting to order at 4:01 p.m. 33 people were in attendance.

Moved Charles Bennett/Miles McGaughey that the minutes of the 2013 Pre-Conference Directors and Delegates meeting held at La Fonda Hotel, Santa Fe, New Mexico be accepted as printed in the WAS journal. Carried.

Moved Miles McGaughey/Eric Mussen that the minutes of the 2013 Annual Business Meeting be accepted as printed in the WAS journal. Carried.

Treasurer's Report: Treasurer Sherry Olsen-Frank presented a seven page report which included a balance sheet as of Sept. 15, 2014, a profit and loss sheet from Jan. 01 through Sept. 15, 2014, a statement of cash flows from Jan. 01 through Sept. 15, 2014, a balance sheet as of Dec. 31, 2013, a profit and loss sheet from Oct. through Dec. 2012, and a profit and loss sheet from Jan. through Dec. 2013.

Moved Eric Mussen/Ari Alvarez that the treasurer's report be accepted as presented. Carried.

Chairperson's Report:

a) Facebook Page: Sarah Red-Laird is in charge of getting a Facebook page started.

b) On-Line Registration: The structures are in place to make this possible. Sarah Red-Laird will also make it possible to sign up for membership on line.

c) Logo: Jerry Bromenshenk found a graphic artist who designed a new WAS logo. **Discussion was held but no decision was made.** *(Editor's note: The new logo was approved at the Board meeting. Confirmed JJ Bromenshenk).*

d) By-Laws Revision: Discussion was held on the need for changes to WAS by-laws and about operating for one year with the by-law revisions and then having the membership vote on these changes at the next business meeting.

Moved Miles McGaughey/Archie Mitchell that we adopt the revisions for one year. Carried.

OLD BUSINESS:

T-shirt Collection/Photos/Historical Items: Discussion was held on what to do with these items. One suggestion was to go digital. A suggestion was made to donate Ray Hick's extensive t-shirt collection to the Eva Crane Library. Storage of items is also a problem.

Moved Kevin French/Charles Bennett that the Board decides what to do with the historical items. Carried.

NEW BUSINESS:

a) Conference Photographer/Video-Taping Conference: The Dean for the School of Extended and Lifelong Learning paid for video-taping of WAS speakers at no cost to WAS. Discussion was held on putting the videos on the website for members only.

Moved Charles Bennett/Sherry Olsen-Frank that we put the videos on the website for members only. Discussion was held. The motion was withdrawn.

WAS is in need of a photographer. This person would be someone who regularly attends WAS conferences. Please send Fran Bach any photos that you may have taken from this year's conference.

b) Officers: Moved Don Studinski/Eric Mussen that we take nominations from the floor for President. Beth Conrey was nominated. Carried.

Moved Claude Dilly/Kevin French that Betty Farber be nominated for Secretary. Carried.

Moved Jerry Bromenshenk/Miles McGaughey that Sarah Red-Laird be nominated as 2nd Vice-President. Carried. Sarah Red-Laird declined accepting the nomination for 2nd Vice-President. She stated that she needs a couple of years with WAS before she would feel comfortable taking on the role of 2nd Vice-President.

c) 2016 Site Selection: Discussion was held about the possibility of holding the 2016 conference in Hawaii, Utah or Oregon. A suggestion was put forth to hold the 2017 conference at the University of California, Davis to celebrate the 40 year anniversary of WAS.

Moved Cyndi Smith/Archie Mitchell that a committee be formed to find a site for the 2016 conference. This committee would report back to the Board within 60 days with a recommendation. Carried. Volunteers for the Sites Committee are Miles McGaughey, Archie Mitchell, Cyndi Smith, and Don Studinski.

Moved Beth Conrey/Miles McGaughey that the meeting be adjourned. Carried. The meeting was adjourned at 5:10 p.m.

*Betty Farber*

*Secretary for the Western Apicultural Society*

**12 November 2014**



# Dadant

[www.dadant.com](http://www.dadant.com)

*Quality that can't be beat anywhere in the industry.*



M00926

M00928

**Premium  
Smokers**



M00927

M009281

**Little Wonder  
Hand-Extractor Kits**

M00396KIT - Hand  
M00403KIT - Power



C52201P

**Made in the U.S.A.**

V01230(size)  
Suit

**Assembled  
Starter Kit**



• DADANT & SONS, INC •

• 2765 S. GOLDEN STATE BLVD, FRESNO, CA 93745 • (877) 432-3268 •

• 15 C. VALLEY CT., CHICO, CA 95973 • (877) 332-3268 •





I walked into the position of Extension Apiculturist at the University of California, Davis, fresh out of graduate school from the University of Minnesota, St. Paul, in 1976. I was trained in apiculture and had worked with small-scale and commercial beekeepers in Minnesota, but Midwest beekeeping is quite a bit different from California beekeeping. So, I had much to learn.

Upon my arrival, the office staff was coping with many daily requests for “Bee-ginning Beekeeping” packets, mostly of one-sheet-answers on beekeeping topics. Those requesting the information were mostly “Hippies” who were “going back to nature.” They were stalking the wild asparagus, being told by Euell Gibbons to eat Post Grape-Nuts because they tasted like wild hickory nuts, and to eat honey because sugar was

## **Looking Back at an Extension Career**

*By Eric Mussen*

simply an empty calorie. That craze slowly backed off into the 1980s, and for the next 20 years there was very little demand for that information, except at short courses and beekeeping workshops. The few beekeepers who did not give up became the glue that held many of the county beekeeping clubs together for decades.

The next explosion in non-commercial beekeeping began around 2006, when the general public became aware of colony collapse disorder (CCD) and decided to save the bees by keeping their own colonies. This group of newbees differed from the hippies in two respects: 1) they had access to unending information about bees and beekeeping (accurate and inaccurate) on the internet and 2) they were nearly all convinced that conventional beekeeping practices are the cause of colony decline, so they would do it better. To some of them, this just meant placing bees in a container on their property and leaving them alone, to live or perish. That is not beekeeping; it is bee-having. If you are going to keep bees, you have to be responsible for them. Casting swarms that vex the neighbors, and maintaining sources of inoculum when some of the colonies are overwhelmed by diseases or parasites, do not fit the definition of responsible. Most of the new beekeepers attend the club meetings, so attendance has swollen to above 200 members in many cases.

My introduction to the California commercial beekeeping industry was based on trial and error. I won some and lost some. On my first trip to one of the bee breeding operations my welcome was: “Sit down and graft larvae into these queen cups.” I had been grafting larvae for my PhD research on sacbrood virus disease, so I got 14 of 15 cells well transferred. That was good enough. I was accepted! However, at an early commercial beekeepers’ club meeting, the beekeepers and I had a bit of a sparring match. That was the last club meeting my wife ever attended! In a short while the beekeepers and I learned to respect our few differences, and they trusted me to speak for them, anytime and anywhere.

Things progressed evenly until the Europe-origin tracheal mite (*Acarapis woodi*) was found in the U.S. in 1984. The federal and state governments implemented a quarantine and eradication program. A very large beekeepers meeting was held in California to determine whether we should continue the program. Somehow, the meeting organizers determined that I would be the best moderator. The adamant folks who said “No” were correct about our inability to prevent mite spread. The equally adamant majority said “Yes,” and the quarantine allowed the bee breeders to sell bees to the Canadians for three more years. At the early stages of the quarantine, many operations were “depopulated,” and many of those beekeepers never came back to the business.

In 1987, the varroa mite, *Varroa destructor* (*Varroa jacobsoni*), was detected in the U.S. The bee-border to Canada was immediately closed and stayed that way until varroa mites were relatively common in Canada. Now U.S. queens, only, can be imported into Canada. Varroa mites are much more pathological to European honey bee colonies than tracheal mites because the mite jumped hosts off Asian honey bees, and the European bees have no innate resistance to them. Varroa remains a very difficult pest with which to deal, all around the northern hemisphere.

Over time, if you are working with commercial beekeepers it is going to become apparent that our colonies are being exposed to way more pesticide residues than are healthy for them. It also becomes apparent that growers need to protect their crops and sometimes bees end up taking a hit meant for other target pests. However, crop protection can become quite widespread. During the time that urban areas and agricultural areas in California were being sprayed for Medfly



# Good News on Bee Health

Bayer is working to keep honey bees healthy and here is some good news!

## Bee colonies stable or increasing.

U.S. honey bee colony numbers have been stable since 2006. In fact, colony numbers were higher in 2010 than any year since 1999!



In Australia, "the introduction of the neonicotinoids has led to an overall reduction in the risks" associated with the application of insecticides. Honey bee populations "are not in decline, despite the increased use of this group of insecticides" since the mid-1990s?



## Helping bees thrive.

The North American Bayer Bee Care Center for research, education and training opened in 2014. Bayer has many public/private partnerships, including Pollinator Partnership and Project Apis m., that focus on key health stressors, including Varroa mites (a giant tick-like pest), forage availability and improved nutrition.

## Bayer innovations.

Bayer's new Fluency Agent is designed to help reduce the potential for dust exposure during planting. Bayer is also supporting beekeepers as they take care of their hives, in particular by working on products to control Varroa mites, which are the greatest threat to honey bee health.



## Lowest overwinter losses in years.

European losses were the lowest since the survey began in 2007, and the number of bee colonies remained stable over the last 10 years. Most Canadian provinces had significantly lower losses than in 2013. And U.S. losses declined by 24% from the previous year?



  
bee care



[www.beehealth.bayer.us](http://www.beehealth.bayer.us) | [Facebook.com/BayerBeeCareCenter](https://www.facebook.com/BayerBeeCareCenter) | [@BayerBeeCare](https://twitter.com/BayerBeeCare) | [Connect.BayerCropScience.us](https://www.connect.bayer.com/Connect/BayerCropScience.us)

- 1 Fairbrother, A., Purdy, J., Anderson, T. and Fell, R. (2014), Risks of neonicotinoid insecticides to honeybees. *Environmental Toxicology and Chemistry*, 33: 719-721. doi: 10.1016
- 2 Alzon and Harder, The Global Stock of Domesticated Honey Bees Is Growing Slower than Agricultural Demand for Pollination. *Current Biology* (2008), doi:10.1016/j.cub.2009.03.071
- 3 <http://www.cspabees.com/content/uploads/2013/07/2014-CAPA-Statement-on-Honey-Bee-Wintering-Losses-in-Canada.pdf>  
<http://www.coloss.org/announcements/coloss-press-release-colony-losses-july-14>

Bayer CropScience LP, 2 TW Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer and the Bayer Cross are registered trademarks of Bayer. For additional product information, call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at [www.BayerCropScience.us](http://www.BayerCropScience.us).

control, Dr. Norman Gary and I used his newly-developed dead bee trap to determine what sort of damage was being inflicted on colonies by the aerial applications. Bees were killed by the sprays, but the colonies inside and outside had nearly identical colony populations. What the sprayed colonies did not have was a honey crop. The controls were bursting at the seams. I have been working with state and federal regulators on pesticide problems for years. Although I believe we are gaining ground, it is painfully slow.

We did a bit better with controlling American foulbrood disease (AFB). Since the mid-1950s the beekeepers had relied upon oxytetracycline hydrochloride, sold as Terramycin®, to use as a preventative or treatment for this colony-lethal disease of honey bees. Not unexpectedly, using the same antibiotic exclusively eventually selects for populations of resistant bacteria. That occurred in the 1980s. We wondered how resistance developed all over the world at about the same time without international movement of colonies. Molecular genetics recently determined that there are many distinct populations of resistant bacteria that have different gene sets for resistance. Dr. Christine Peng and I, with assistance from Dr. Terry Leighton from UC Berkeley, determined that tylosin, a veterinary antibiotic, was very effective against AFB but not nearly as toxic to bee brood as Terramycin. With an assist from the USDA/ARS bee researchers, we obtained a registration for tylosin and it has been used successfully for nearly 20 years. Tylosin is supposed to be used only therapeutically (treatment of observed disease), but old habits die hard. Unlike Terramycin that “disappeared” within a month in the hive, tylosin will remain detectable in syrup for 6 months and in honey for 12 months. It is labeled only for use in powdered sugar, where it should not get into syrup or honey.

I was fortunate to be involved in the organization and founding of two successful bee-related organizations. The first was the Western Apicultural Society, a sister society to the more mature Eastern Apicultural Society. These associations provide an opportunity for non-commercial beekeepers to attend conferences that attract honey bee researchers from all over the country, as well as vendors who display their beekeeping supplies and equipment. I served as president, program chairman, and conference chair for this group five times over the years.

A second association, in which I participated in the origin, was the American Association of Professional Apiculturists (AAPA). This organization was patterned on the Canadian Association of Professional Apiculturists. We have always been impressed by the “ear” CAPA has of the federal government in Canada. We never reached that goal in the U.S., but when the American Bee Research Conference melded with the group, the chance to meet with practically all the researcher and extension personnel at one time to hear about their research makes this meeting extremely valuable. Dr. Malcolm Sanford, retired Extension Apiculturist from the University of Florida, Gainesville, and I alternated presidencies and secretary/treasurer appointments for this group for many years.

Recently, I have conducted a bit of research with Dr. Brian Johnson, a relatively recently hired professor of bee biology at UC Davis. We determined that there were no detrimental effects to honey bee colonies when we fed them on a syrup blend of sucrose and high fructose corn syrup. Also, a very heavy dose of tylosin, oxytetrachloride, and fumagillin did not impact the ability of the bees from new packages to consume syrup, produce wax, produce brood, and produce bee populations that exceeded the populations raised on sucrose-only syrup. If intestinal flora truly are important to honey bee digestion, it appears that those microbes may be resistant to beekeeper-used antibiotics, also.

I found my job to be very interesting every day. It was enjoyable nearly every day. I would make the same job choice decision again, given the chance. But, now I am relinquishing the title and tasks to a successor extension apiculturist, Dr. Elina Lastro Niño. She is an accomplished honey bee researcher and has the proper outlook and personality to fit this extension position very well. I will remain in the background until Elina becomes more familiar with the beekeepers, beekeeping, and agricultural production in California. Then I will ease out the door to see what I can accomplish with a camera or fishing rod.



16 November 2014





# American Honey Producers Association

An Organization of Beekeepers for Beekeepers



## FIGHTING FOR:

Gains in Research, Improved Pollinator Protection,  
Anti-Dumping & Prevention of Circumvention,  
National Honey Standard of Identity,  
Streamlined H-2A Processing  
and More.

[www.AHPANET.COM](http://www.AHPANET.COM)

Jan 6th:  
Board Meeting

Jan 7-  
Jan 9th:  
Sessions &  
Trade Show

Jan 10th:  
Board Meeting

## 46TH ANNUAL CONVENTION & TRADE SHOW

PLEASE JOIN US IN MANHATTAN BEACH, CALIFORNIA  
AT THE MANHATTAN BEACH MARRIOTT & GOLF CLUB

### AHPA Convention Rates:

Single - \$139.00/night<sup>++</sup> (Includes 1 breakfast buffet per day)

Double - \$159.00/night<sup>++</sup> (Includes 2 breakfast buffets per day)

<sup>\*\*\*</sup>See website for Triple & Quad Room Rates<sup>\*\*\*</sup>

### For Reservations:

Call: 888-236-2427 (mention the AHPA) or

Go Online: [www.AHPANet.com](http://www.AHPANet.com), select "AHPA Annual Convention"

## MANHATTAN BEACH, CA JANUARY 6-10, 2015

Jan 6th:  
Workshop &  
Welcome  
Reception

Jan 8th:  
Sioux  
Honey  
Tour

Jan 9th:  
Annual  
Banquet

### Speaker Spotlight

Keynote Speakers:

Dr. Jonathan Lundgren  
Mr. Graham White

Mr. Mark Jensen  
Mr. Eric Silva  
Mr. Bob Curtis  
Mr. Roger Starks  
Dr. John Adamczyk  
Mr. Paul Towers  
Mr. Pete Berthelsen  
Dr. Kirk Anderson  
Dr. Susan Kegley  
Ms. Michele Colopy

### Convention Registration

(Registrant, Partner, & Children under 18 = 1 Registration)

#### Full Conference

Early Bird (before Nov. 15) - \$225

Pre-Register (Nov. 15- Dec. 22) - \$250

Regular/At the Door (after Dec. 22) - \$295

For alternate registration options and event pricing, or  
to register for the convention, please visit:

[www.AHPANet.com](http://www.AHPANet.com)

Want to know more? Interested in being a Vendor?

Visit [www.AHPANet.com](http://www.AHPANet.com) or call: 281-900-9740

RESERVATIONS & CONVENTION REGISTRATION DUE DECEMBER 22, 2014



## Scenes from 2014 WAS Conference & 2nd International



Top left, WAS President Jerry Bromenshenk opens proceedings. Centre, Dave Wick offered lab services during the conference, presented results at his workshop. Far left, vendors provide a colorful addition to the conference. Above, Kevin Kicking Woman on Songs of the Blackfeet at the Bee Buzz Social in the beautiful Native Studies Center on campus. Dean Stiglitz photos

### Kyra Jean Williams 'Festival'



Left, Catering Manager Ryan Martin oversees the whole Festival operation. Right, gentlemen of the Culinary School keep the plates full.

Above, on a perfect fall evening, WAS conference-goers were privileged to enjoy the University's annual Kyra Jean Williams Farm to College 'Festival' dinner on the Oval. Catered by the university's culinary school and delivered by a host of unknowns in the background, they produced a feast indeed, featuring all local produce. Fran Bach photos

18 November 2014



# Workshop on Hive and Bee Monitoring

## Workshops



Above, hive monitoring equipment. Below, Ian Farber candle making



Kevin French photos



More photos next issue

## Honey Harvest Festival



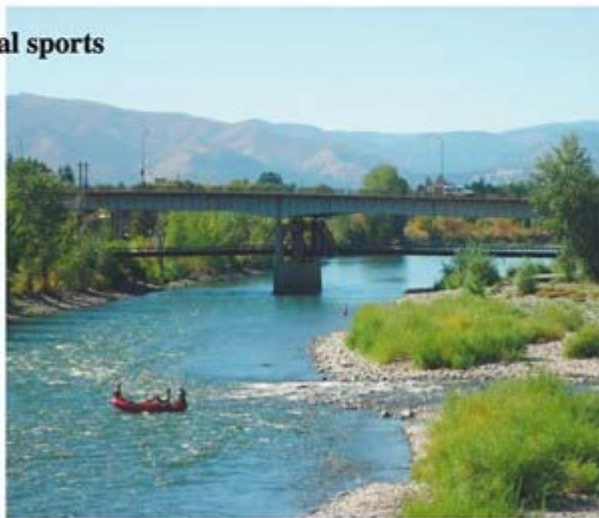
Above, Albert Chubak table got lots of attention. Below, some of the Canadians (Grimshires, Betty Farber, Bergstrands) take in the Festival. Left, Garon the Wizard entertains a fascinated crowd.



## Recreational sports



Proof they made it to the Big M! Kevin French, Dighton MA, Betty & Ian Farber, Kamloops, British Columbia.



On the river, canoeing, fishing and river surfing (see front cover) are all available.



*Keynote address: Friday, September 19*

## **‘Let Me Tell You ‘Bout the Birds and the Bees’: Neonicotinoid Pesticides and the Prospects for Future Life on Planet Earth**

*By G. Philip Hughes, Senior Director, White House Writers Group, Washington DC*

My presentation today may be a bit unusual for an apiculture audience, since it concerns a public policy debate - a kind of trial before the court of public opinion - in which, exceptionally, bees and beekeeping play a central role. It's the controversy over neonicotinoid pesticides and bee health.

A saying and a joke will help put my remarks in context. The saying is a favorite of mine from Washington: 'When your only tool is a hammer, every problem looks like a nail.' The joke is about the cop who comes upon a guy crawling around under a street lamp looking for something in the gutter. 'What are you doing down there,' asks the cop. 'Looking for my car keys,' comes the reply. 'Well, where did you drop them?', the cop asks, and the guy answers, 'Oh, over there by my car.' The surprised cop asks, 'Then why are you looking here?!' 'Because the light's better.'

On June 30, the New York Times editorialized approvingly on a recent study hyping the supposed dangers of neonic use in agriculture. 'Nothing less than the world's ability to produce food', the report warns, 'is at risk from these chemicals.' Sounds dire - and hard to believe. So why do otherwise sensible people say and believe such things? Well, among other reasons, it's to catalyze 'immediate action' by officials and politicians for whom the immediate is always the enemy of the urgent. But pressuring officials for immediate action on complex, delicate, poorly understood problems can lead to bouts of 'politician's logic' which goes, 'SOMETHING must be done. This is something. Therefore, we must do it.' This, in turn, can lead to a faulty approach to marksmanship: 'Look. Shoot. Aim.' As you'll see, both of these impulses were at work in the one tangible public policy response on this issue to date: the European Union's 2-year continent-wide ban on neonic use.

Everyone knows the story of how Pennsylvania beekeeper David Hackenberg phoned his NY relative, Jim Doan, back around 2007 to alert him to check his hives as many of Hackenberg's were mysteriously empty. And so we were off on the hunt for the cause of CCD - Colony Collapse Disorder - with neonic pesticides becoming an early suspect for a variety of understandable reasons.

- they were relatively new, introduced in 1994;
- their systemic action was relatively novel, and so must have been delivering some of the active ingredient to the flowers and their pollen and nectar;
- unsurprisingly, hive residue studies showed neonics turning up in hives - along with everything else that bees bring home; and
- this theory dovetailed with the anti-pesticide/all-organic ideology of many activists.

Finally, the issue came to a head as a public policy matter in 2013 with the EU decision to adopt a 2-year neonic ban. While on the surface that decision may have looked like a scientific-administrative decision, a couple of late-2013 articles - in London's 'Daily Telegraph' and in 'Forbes' in the US - detailed the more-political-than-scientific character of this decision. The 'back-story', it turns out, was that the new French socialist government's Agriculture Minister had promised an expanded neonic ban to court French environmentalists. But when the result put France's farmers at a competitive disadvantage against their EU competitors, the Minister, it seems, prevailed on the then French head of the European Food Safety Agency to orchestrate a 'scientific opinion' - and its misleading, inaccurate press release - that gave support to and catalyzed the ban decision by the EU Commission. Promptly on the ban announcement, the EFSA Director got a big promotion into the French Agriculture Ministry - under the new socialist Minister who sought the ban - in what looked suspiciously like a quid pro quo. Another episode of the time-honored French habit of fixing their policy mistakes by talking other neighbors into going along with them and, hence, generalizing the pain.

While the US EPA and Agriculture Departments rushed to publication their report on a stakeholder conference held in 2012 that 'poured cold water' on the idea of adopting a neonic ban here, the New York Times and like-minded media were fulsome in their 'recognition' of the 'dangers' of neonics to bees and the Boston Globe used a 'local color' story to



**20 November 2014**



# BEE Our Guest!



American Beekeeping Federation

## 2015 North American Beekeeping Conference & Tradeshow

Make your plans now to join 600+ of your closest beekeeping friends at the 2015 North American Beekeeping Conference & Tradeshow. The conference will be held at the Disneyland Hotel in Anaheim, California, January 6-10, 2015.

### Features of the conference include:

- One and half days of general sessions complete with presentations from industry leaders on best practices and the latest developments in beekeeping
- Track sessions for varying levels of beekeeping presented by industry experts
- 24+ hands-on interactive workshops
- Tradeshow with industry vendors showcasing outstanding product and services
- The 2015 American Honey Show
- The 2015 Honey Queen and Princess coronation
- Opportunity to visit the Sioux Honey Plant

### Conference Location/Host Hotel:

Disneyland Hotel  
1150 Magic Way  
Anaheim, CA 92802



The ABF has negotiated a discounted group rate of \$109.00 per night single/double occupancy plus tax (currently at 17%).

**For additional information and to register for the conference, please visit [www.nabeekeepingconference.com](http://www.nabeekeepingconference.com)**

*Note: Non-member rates include a one-year membership to the ABF.*

### Tentative Schedule At-A-Glance:

*(subject to change)*

#### Tuesday, January 6:

Afternoon Committee Meetings

#### Wednesday, January 7:

Morning Opening General Session  
Noon Tradeshow Opens  
Afternoon Shared Interest Group (SIG) Meetings  
Evening Welcome Reception with Entertainment in the Tradeshow

#### Thursday, January 8:

Morning Auxiliary Meeting (optional) \*  
All Day General Session  
All Day Tradeshow  
Afternoon Live & Silent Auctions in the Tradeshow  
Evening Social Activity/Dinner (optional) \*

#### Friday, January 9:

Morning Track Sessions  
All Day Tradeshow  
Noon Foundation Luncheon (optional) \*  
Afternoon Keynote Presentation  
Afternoon ABF Business Meeting  
Afternoon Honey Show Live Auction in the Tradeshow

#### Saturday, January 10:

Morning Tradeshow  
Morning/Afternoon Interactive Workshops  
Evening ABF Annual Banquet (optional) \*

\* Additional registration fee required

Registration Categories	Early Registration by 10/15/2014		Regular between 10/16/2014 - 12/10/2014		On-Site after 12/10/2014	
	Member	Non-Member	Member	Non-Member	Member	Non-Member
Single Registrant	\$235.00	\$295.00	\$285.00	\$345.00	\$335.00	\$395.00
Family (2 people)	\$345.00	\$405.00	\$395.00	\$455.00	\$445.00	\$505.00
Single Day Rate - Wednesday	\$75.00	\$90.00	\$90.00	\$105.00	\$105.00	\$120.00
Single Day Rate - Thursday	\$75.00	\$90.00	\$90.00	\$105.00	\$105.00	\$120.00
Single Day Rate - Friday	\$75.00	\$90.00	\$90.00	\$105.00	\$105.00	\$120.00
Single Day Rate - Saturday	\$75.00	\$90.00	\$90.00	\$105.00	\$105.00	\$120.00
Family Day Rate - Wednesday	\$105.00	\$120.00	\$120.00	\$135.00	\$135.00	\$150.00
Family Day Rate - Thursday	\$105.00	\$120.00	\$120.00	\$135.00	\$135.00	\$150.00
Family Day Rate - Friday	\$105.00	\$120.00	\$120.00	\$135.00	\$135.00	\$150.00
Family Day Rate - Saturday	\$105.00	\$120.00	\$120.00	\$135.00	\$135.00	\$150.00



give prominence to an obscure 2012 study by a Harvard Public Health School professor, Chensheng Lu, who claimed to have 'proved' that neonics cause CCD.

Since the EU ban decision, the debate about neonics and bees has been one of the most persistent and high profile environmental issues - giving bees and beekeepers an unprecedented 'moment in the sun' as a public policy issue.

But this is a much more complex issue, in which there are many stake-holders - at least 8 distinct groups of them. It is not a sort of medieval 'morality play' pitting jovial beekeepers against giant, impersonal agro-chemical multinationals - and it can't be effectively solved on that basis.

But the debate is also an uneven one - in a different way than you probably think. Agro-chemical companies and agro-producers have no real counter-parts to the crowd-funding campaigns; the endless flow of articles, reports and studies; press releases, interviews, conferences and events; regulatory filings and appeals; lawsuits and 'sue-and-settle' tactics; demonstrations and bee 'die-ins'; and legislative advocacy, sponsored legislation and proposals, and legislative sponsors. This is the very definition of a perpetual publicity machine - against which skeptics of the anti-neonic campaigners can do little more than try to 'set the record straight.'

There are various 'sources of evidence': caged bee lab studies; feeding studies; hive residue studies; planter dust studies; soil/water/wild foliage residue studies; field studies; literature reviews; government reports; and real world experience. One of these sources - planter dust studies - pretty clearly establish that neonic dust falling on beehives harms or kills them, indicating a needed corrective. The preponderance of caged bee lab studies demonstrate various negative neonic effects on bees - but under conditions in which the researcher can demonstrate virtually anything he/she wants. Most other types of studies yield mixed and indeterminate results. But hive residue studies consistently show neonics to be among the least prevalent chemicals in hives, far below beekeeper-administered miticides. But large-scale field studies are consistent and, so far, unanimous in finding no observable adverse impacts on bees at the hive level from realistic field-level neonic exposures. These findings are further born out by real-world experience in Australia, western Canada and elsewhere.

In short, on the evidence, the logical conclusion would be, 'case not proven.'

But the anti-neonic argument has 'morphed' over time. First it was 'neonics cause CCD' - with an emphasis on lethal effects. Next it was suggested that sub-lethal effects - navigational confusion; impaired foraging efficiency - cause CCD. Then it was neonic planter dust is fatal to bees - one claim that has been substantiated and requires mitigation. Next it was 'neonics are causing elevated over-winter bee losses'. Then the argument moved on to the (unknown, unanalyzed) interaction of chemicals in 'tank mixes' with separately-applied neonics. Then it was that sub-lethal neonic effects are weakening beehives - making them more susceptible to varroa, nosema and other diseases.

As the debate has marched forward through a series of milestones, four features of the debate are apparent.

1. The most noteworthy, publicized cases of neonic-caused bee deaths - a pair of bumble bee kills in Oregon, a year apart - were not examples of indirect neonic effects on bees but outright, prohibited misuses of pesticides on blooming trees loaded with foraging bumble bees.
2. The most noteworthy studies that have propelled the argument have been a pair of studies, two years apart, by Harvard's professor Lu that have been widely discredited as incompetent and scientifically worthless - a circumstance that must be galling to the legion of scientifically and professionally competent bee researchers and specialists.
3. Counter-argument has changed the argument considerably. At the time of 'Time' magazine's August, 2013 cover story, 'A World Without Bees', 90% of journalistic articles attributed bee health problems to neonics. Before the end of 2013, a similar survey of coverage showed that 90% of articles acknowledged that bees' health problems were 'multi-factorial' - with 50% of articles not even mentioning pesticides as a major cause.
4. Despite the changed tone of press coverage, there has been an inexorable 'ratcheting up' of politics on this issue, both in the US and Canada - legislative initiatives; legislators' letters to the EPA; a Presidential pollinator initiative.

But the debate so far has undermined key anti-neonic contentions. E.g., USDA, StatCanada, and UN/FAO statistics demonstrate that there is no global or regional 'bee-pocalypse' or extinction risk. Developments such as the Australian government's report attesting that bees are thriving on the world's only varroa-free continent despite wide-spread use of neonics. And the EU's April, 2014 EPILOBEE report demonstrating that over-winter bee losses there are far lower than believed only a year earlier - when the EU ban was adopted without the benefit of EPILOBEE's survey evidence.

But now the debate is moving on. Since July, anti-pesticide agitators have shifted their argument to claim that neonic soil/water residues are causing a general ecological crisis for wild pollinator species, butterflies, aquatic invertebrates and fish, etc. -- and that neonics may be linked to human diseases (e.g., Parkinson's Disease).

This, I believe, suggests that, since the 'bee argument' isn't panning out precisely as expected for the anti-pesticide



activists, they're moving on to other claims that are harder to disprove. While we're only beginning to look into these latest claims, it looks like many of these generalized apocalyptic claims are either 'made up' or are baseless extrapolations.

While the debate rages on - the trial is still in progress and the jury is still out - I have two sets of provisional conclusions, the first for the advocates, the second for beekeepers.

For the activists:

- tell the truth, the whole truth, and nothing but the truth;
- every problem is not a nail; bans are not the only possible solution;
- consider ALL the evidence, not just the convenient evidence;
- recognize the legitimacy of other stake-holders' interests;
- more is at stake than just 'winning' - putting another notch on your belt.

For the beekeepers;

- farmers and beekeepers have to live together - forever;
- for once in history, beekeepers have the world's - and policy-makers' - attention;
- use the 'moment of opportunity' to get things that are really important to you; don't fritter it away on someone else's agenda that may have little or no impact on your bee health problems and only strain your relations with farmers.

## Frandsen Corp. announces acquisition of the Walter T. Kelley Company, LLC

August 22, 2014, the Frandsen Corporation of North Branch, Minnesota, announced that it has entered into a purchase agreement to acquire The Walter T. Kelley Company, LLC of Clarkson, Kentucky. The acquisition closed September 9. The company is now to be known as Kelley Beekeeping Company (KBC).

Kelley will join the Frandsen Corporation family of companies and become a "sister company" to Miller Manufacturing Company (Miller). Kelley is a current supplier to Miller and a strategic partner in expanding the availability of beekeeping supplies to the retail channel.

Although formally an acquisition, the intent and spirit of the transaction is to create a partnership among KBC, Frandsen, and Miller.

**Introducing**  
**ACORN**  
BEEKEEPING EQUIPMENT

**NEW**

**Manufacturers of High Quality Plastic Frames and Foundations**

- 1 Piece Plastic Frames & Foundations - 9 1/8" and 6 1/4"
- Plastic Foundations for - 9 1/8" and 6 1/4" Wooden Frames
- Plastic Drone Combs - 9 1/8" and 6 1/4"

- No Bowing or Warping
- Precision Molded Cells
- More Wax - Better Acceptance
- Re- Designed Ears - No Breakage!
- Excellent Pricing

**Nick Lissaman**  
18 Years Experience

For information call:  
**877-255-6078**

Toll free Fax: 877-265-0663  
info@acornbee.com  
www.acornbee.com

13818 Oaks Ave.  
Chino, Ca 91710

Drone Combs

Proudly Made In the USA



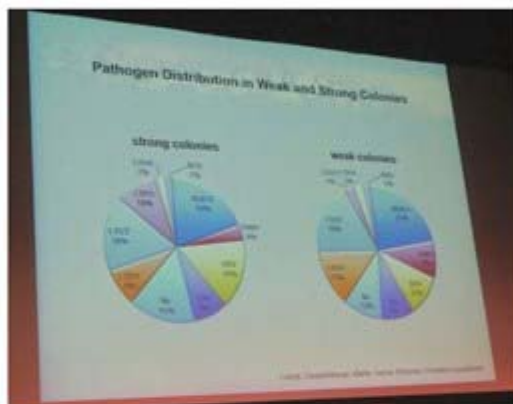
# Honey Bee Host – Pathogen Interactions

By Michelle Flenniken & Laura Brutscher, Montana State University

Research in the Flenniken Lab at Montana State University is aimed at elucidating the molecular mechanisms underlying host-pathogen interactions in honey bees. Projects in the lab focus on five principal aspects of honey bee biology:

- (1) determining the mechanisms and contributions of RNA-triggered pathways in honey bee antiviral defense,
- (2) honey bee pathogen monitoring, detection and discovery with an emphasis on understanding the role of pathogens in colony loss,
- (3) investigating the pathogenesis of the recently discovered Lake Sinai viruses,
- (4) understanding the influence of the individual bee microbiome, metabolome, and transcriptome on the immune response and outcome of infections, and
- (5) examining the sublethal effects of agrochemicals on honey bee health. The Flenniken laboratory performs both field and laboratory based studies, and molecular level analyses (microarrays, PCR, and sequencing) to investigate the role of pathogens on honey bee health, both at the individual bee and colony level.

Laura Brutscher is a Microbiology PhD student in the Flenniken lab and the Project Apis m. – Costco Honey Bee Biology Scholar. Laura's dissertation research is focused on better understanding honey bee antiviral responses, and the role of the microbiome (i.e., the community of commensal and pathogenic microorganisms that inhabit a host).



*We're here to serve YOU ...*  
*all year long!*

**FRAMES**

**TOOLS**

**Miller BEE SUPPLY**

info@millerbeesupply.com  
888.848.5184

The advertisement features a central cluster of hexagonal frames containing images of beekeeping equipment: a hive, a bear-shaped jar, a beekeeper in a full protective suit, a jug of "CRISTOL" beekeeping product, a bottle of "Miller Bee Supply" product, a beehive, and a landscape with a beehive. The Miller Bee Supply logo is in the bottom left corner.



## The Buzz about Online Education

*By Roger Maclean, Dean, and Marlene Zentz, Instructional Consultant, School of Extended and Lifelong Learning, University of Montana*

At the 2014 Conference of the Western Apicultural Society of North America & 2nd International Workshop on Hive & Bee Monitoring, this session's presenters provided an overview of the University of Montana's Online Beekeeping Certificate Program. The program was developed in collaboration with and taught by Dr. Jerry Bromenshenk, Scott Debnam, and Phillip Welch. The instructors are UM research faculty, owners of Bee Alert Technology, and have more than 70 years of combined beekeeping and research experience.

The overall focus of UM's Beekeeping Certificate Program is to educate beekeepers on the science and behavior of bees in order to maintain healthy hives. Through three levels of rigorous coursework – Apprentice, Journeyman, and Master – participants gain a solid foundation in practical beekeeping. The program begins with the basics of handling honey bees, takes students through diagnosing pests and diseases, managing hives for optimal honey bee health, as well as honey production and marketing, and concludes with the business of beekeeping. The full program takes three years to complete, and it is structured to allow students a year of experience between courses to practice their newly acquired knowledge.

The program is delivered fully online through a combination of videos, animations, reading assignments, and discussions. It strives to provide flexible delivery at the convenience of the participant while allowing for reflection on the materials, as well as encouraging broad discussions through a series of forums and discussions led by the faculty. The online delivery also allows for national and international audiences to participate and interact on a global basis.

Courses have traditionally been noncredit with a certificate of completion, but students have the option of taking the courses for academic credit through the University of Montana.

*For more information about the Beekeeping Certificate Program, visit [www.umt.edu/bee](http://www.umt.edu/bee).*



**MASTER BEEKEEPING CERTIFICATE**

*Online*

**An online certificate program for serious beekeepers consisting of Apprentice, Journeyman, and Master courses.**

*Endorsed by*

- Montana State Beekeepers Association
- Project Apis M.
- The American Honey Producers Association

*Open to the public!*

**UMT.EDU/BEE**

School of Extended & Lifelong Learning  
UNIVERSITY OF MONTANA

## Workshop ....

# Beehive Variations

By Eric Mussen

We began our look at types of honey bee hives by quickly reviewing the Urban Beehive by Philips. It is an interesting design in which the hive rests on the inside of a large glass window with a tube running from the hive bottom up about two feet then turning out a hole drilled in the window. Outside, there is a curved plastic portion in which is the end of the tube and a place to rest a small, blossoming potted plant. Nothing in the schematic view showed how the two sections were held to the glass. We doubted they ever tried the hive, since the combs were drawn as hanging diagonally in the hive. For that to be the case, the hive would have to be resting on its side when the combs were being drawn (vertical, due to gravity). Also, there did not appear to be much if any ventilation in the hive. For the bees to re-enter the tube into the hive, there has to be a positive air flow from inside the building out through the tube.

We moved from fantasy to reality and took a look at various types of hives that held either complete frames, with top bars, end bars, and bottom bars, or hives containing only the top bars. First we dealt with interior hive volume. The text books say that European honey bees will select boxes with a 10-15 gallon capacity, when given choices of many sizes. That is the size of an eight-frame or ten-frame Langstroth super. In the opinion of this author, that is not enough space to rear a good bee population and have room for winter stores.

Next, we looked at the distance a hive should be above the ground. The bees showed an experimental preference for 3.3-16 feet. Swarm boxes placed at 9 feet above the ground were filled more frequently in experiments conducted by Roger Morse and Tom Seeley. Besides not being too fussy about how high we placed our hives, honey bees also do not seem to care too much about the components of the hive. There are examples of wood, plastic, fiberglass, reeds, mud, straw, pottery, fabric, metal (should be in the shade), etc. They do, however, have a preference for a limited number of openings to the outside and they tend to fill in the extras with propolis.

This was a good time to remind everyone that the bees require a bee space to move around in the hive effectively. By honoring that 3/8 inch space, we can have bees fill out their combs and not have them stuck to the hive walls. This allows us to have "movable frame" hives that are required by bee laws in most states.

## Varroa-nator Screen Insert



a new IPM tool for the battle against the Varroa mite.

- Allows for physical separation of fallen mites & bees.
- Placed on traditional bottom board reversed 180 degrees.
- New landing area & front opening for the bees to come & go.

MANUFACTURED BY DIMO'S TOOL & DIE LTD.  
12 BANGOR AVE. WINNIPEG, MB  
PHONE FOR INFO: (204)-772-6998

# nozevit<sup>TM</sup> Plus

**Your partner in helping maintain the  
intestinal Well-Being and Integrity of  
your honeybee Colonies**

Contains:

- All Natural Plant Polyphenols
- Phytonutrients
- 3 Essential Oils
- Complete Amino Acids
- Vitamins and Minerals



**NO GMO  
or HFCS!**

**AS LITTLE AS \$27 PER USE.**

**Simple, Effective and Economical.  
Apply early Spring and late Fall  
via drench or in feeder. Add to protein patties.**



**Dadant.com**  
**eKoBeekeeping.com**

For more information - (907) 727-8200



The presentation started by describing and explaining hives with frames that were enclosed by wood on all four sides. A photo was shown of bridge and burr comb (where one frame was accidentally left out of the hive). We hope to avoid that when we use complete frames. Also, unless handled roughly, frames of fully supported comb can be held at any angle and the combs remain intact. Also, once they have aged a bit, fully supported combs can be spun at relatively high speeds in an extractor.

We tend to consider the Langstroth hive to be the standard hive in the U.S. and Canada. While all the major beekeeping supply companies produce hive boxes with identical outside dimensions, the size of the top bars and the depth of the rabbet upon which the top bars rest differ between manufacturers. If you wish to keep the bee space intact between frames, purchase your boxes and frames from one selected source, only. Examples of the long box hive, the Jackson hive, and the WBC hive were shown. The WBC hive has multiple shells that stack around the outside of the hive holding the bees, giving it a cocoon of insulation. It also has a dual-sloped hive cover. Audience participants were not fond of that cover. The copper tarnishes badly, it is quite heavy, and you can't use it as a base to set down a super when working a hive.

The discussion then turned to horizontal hives with top-bars, only. Most beekeepers use a Kenyon hive-type of design. In that design, the walls of the hive are angled about 120 degrees, so the walls slope in toward the bottom (end of hive is a trapezoid). The shape of the interior mimics the cantilever shape formed by a chain when it is hung by both ends. Bees build their combs in the same shape, so they usually do not attach them to the Kenyon hive walls. If you desire the combs to be straight up and down, so they do not cross the bee space and make them hard to remove, keep the hive truly vertical when the combs are being drawn. It is a good idea to keep the depth of the combs limited to about 12 inches. Beyond that, they become overly weight stressed. Also, there is no specific length (hive width) for a top bar, but remember that you have to keep the comb hanging down as you examine the bees and brood, so keep the bars short enough that you can rotate the combs without banging them into your body (arm length).



## The Best Selling BEEKEEPING Magazine In AMERICA!

- 12 Big Issues A Year
- The **BEST** Beekeeping Calendar
- The **ONLY** Urban Beekeeping Section
- The **ONLY** Kids & Bees Activity Page
- Information on Gardening and Also Chickens
- Paper & Digital Editions

**Keeping Bees Helping Beekeepers For Over**

**141 Years**

**\$25**

**Save 40% Off The Newsstand Price!**

To Order Call TODAY!  
**800.289.7668**  
ext. 3220

## The Perfect Way to Jump into Spring!

Harvest the best with SUNDANCE<sup>®</sup> POLLEN TRAPS and COMPLETE ROSS ROUND SUPERS.



**SUNDANCE POLLEN TRAPS**  
Imagine the cleanest pollen available with no heavy lifting, chalkboard nurseries or risk of foulbrood scales. There is no substitute for the Sundance Trap quality and cleanliness. Leading experts from the USDA and universities as well as commercial beekeepers and hobbyists agree that Sundance Traps are the best pollen traps available.

**COMPLETE ROSS ROUND SUPER**  
Produce comb honey with no dripping from cut edges and no liquid honey in the consumer package with Ross Rounds equipment. Easily shipped or delivered, stacked on shelves, purchased and taken home without danger of leaving. Enjoy providing locally grown, unprocessed, all-natural honey with a complete Ross Rounds Super.

For more information visit [www.RossRounds.com](http://www.RossRounds.com). For dealers near you call toll free 877-901-4909 or email [Lloyd@RossRounds.com](mailto:Lloyd@RossRounds.com). To purchase, please contact your dealer.





Various types of vertical (stacked boxes) hives with top bars were examined. The Warré hive, sometimes called the "People's Hive," is somewhat similar to an 8-frame Langstroth. However, it has a larger insulation chamber above the boxes that are inhabited by the bees. The top bars are spaced a bee space apart. The brood chamber begins as the first box. It is covered with a fabric quilt as an inner cover and it has a dual-sloped roof. When the bees get the first box full, a second box is provided below the full box. This type of colony growth goes on continuously. If the topmost box gets full of honey, it is harvested. In colder weather, the insulation chamber is filled with insulation. That can be quite a distance from the cluster, and the bees do not heat the hive components very much outside their cluster in the winter.

Another vertical top-bar hive is the Perone or "Automatic" hive. This hive is designed to be used in "PermApiculture." There are no specific hive dimensions, but the hive usually is really large. It can be built from discarded lumber. There are no fancy box joints between the box sides, like a dovetail, a dado joint, a miter joint, or rabbets. Simple butt joints are used where one end of the board goes inside one joint and outside at the other end. The depth of the supers depends entirely on the width of available lumber. So lots of "shallow" (commercial pallets in this case) boxes are common. Under the dual-sloped roof, there are the beekeepers' part (usually two or three supers that can be harvested if filled with honey = 25 gallons) and the bee's part (the rest of the hive that is never disturbed = 50 gallons). All the top bars are nailed in place, spaced a bee space apart, but the beekeepers say that a few sticks should be stuck in to encourage cross-combs in the bee part. In the one being discussed, the beekeeper employs honey supers with top bars that are at a 90 degree angle to his brood nest bars, so that they won't coalesce.

The presentation came to a close with some thoughts concerning the pluses and minuses of full frames and top-bar hives. Full-frame combs were less subject to damage when freshly drawn; could be tilted at any angle to better view the cell contents; could be run through extractors with minimal damage; and were better supported for travel in vehicles or on trailers.

It was pointed out that combs in top-bar hives are not THAT fragile. They can be tipped on edge vertically to see the other side; they can be extracted in baskets in a rotary extractor; the honey can be harvested as cut comb or pressed from the combs into containers; and there are beekeepers who do haul their top-bar hives around for commercial pollination, but they have to take it easy on the road. In most cases, one would assume that the newly drawn, foundation-free wax would be much freer of chemical contamination. But, that all depends upon what the neighbors are doing in their yards and gardens.

~~~~~

**In the next (February) issue of the WAS Journal, look for summaries of presentations from the 2nd International Workshop on Hive and Bee Monitoring.**

**Helps Promote Healthy Vigorous Hives!®**

**HONEY B HEALTHY®**  
Non-GMO Lecithin

**Vitamin B Healthy™**  
Plant Based Vitamins & Minerals  
Vital FOR BEE HEALTH!  
(A pint makes up to 48 gallons of feed mix)

**Honey-B-Healthy®**  
The Original Feeding Stimulant with Essential Oils!  
Contains: sucrose, water, spearmint oil, lemongrass oil & Non-GMO lecithin.

**Amino-B-Booster®**  
Provides All Vital Amino-Acids!  
Essential for Bee Longevity & Brood Production.

Our Products are Made with Certified Ingredients  
in an FDA-Registered State of The Art Facility.

**Beware of Imitations**  
**Quality Control Makes the Difference!**  
**For Information:**  
Call: 866-542-0879  
[www.honeybhealthy.com](http://www.honeybhealthy.com)

**PACIFIC NORTHWEST BRED QUEENS**

**VSH / RUSSIAN / WILD  
SURVIVOR STOCK**

**OLYMPIC WILDERNESS APIARY**

**HYGIENIC · MITE RESISTANT**

**Selecting for Nosema Tolerance**  
**Isolated Mating Yards**

**Hardy. Work@Cooler Temperatures**  
\_ No Package Bees \_

Queens Available Summer and Fall Only

**866-204.3426 (toll free)**  
**[www.wildernessbees.com](http://www.wildernessbees.com)**





Nov 6 - 8: Oregon State Beekeepers Association Conference, Seaside Civic and Convention Centre, Seaside OR. Info [www.orsba.org/htdocs/bee\\_schools\\_and\\_events](http://www.orsba.org/htdocs/bee_schools_and_events).

Nov 8: Colorado State Beekeepers Winter Meeting, Douglas County Fairgrounds, Info [www.coloradobeekeepers.org](http://www.coloradobeekeepers.org).

Nov 18 - 20: 125th Annual California State Beekeepers Association (CSBA), Hyatt Regency Hotel, Valencia, CA. Info [www.californiastatebeekeepers.com](http://www.californiastatebeekeepers.com).

Dec 4 - 5: Idaho Honey Producers Association Meeting, Boise ID. Randy Oliver will speak at this and the Treasure Valley Beekeepers Club. Details at [www.idabees.org/education.html](http://www.idabees.org/education.html).

Dec 9 - 11: Almond Board Conference, Sacramento CA

Jan 6 - 10: North American Beekeeping Conference & Tradeshow, Disneyland Hotel, Anaheim, CA. Info [www.abfnet.org](http://www.abfnet.org).

Jan 6 - 10: American Honey Producers Association (AHPA)

Convention and Tradeshow, Manhattan Beach Marriott Hotel, Manhattan Beach, CA. Info [americanhoneyproducers.org](http://americanhoneyproducers.org).

Feb 6 - 7: New Mexico Beekeepers Association Annual Meeting, Albuquerque. Guest speaker Marla Spivak. For more information, visit [nmbeekeepers.org](http://nmbeekeepers.org).

Feb 27 - Mar 1: 8th Annual Organic Beekeepers Chemical-Free Conference, YMCA Triangle Y Ranch Camp and Retreat Center, Oracle AZ. Info Dee Lusby 520-398-2474 evenings.

Sept 15 - 20, 2015: 44th Apimondia Congress, Daejeon, South Korea. Info <http://www.apimondia.org>.

**For more Beekeepers' Calendar of Events items, visit the Global Beekeeping Calendar, courtesy of the Florida Beekeepers Association & Malcolm Sanford at [http://www.my.calendars.net/bee\\_culture](http://www.my.calendars.net/bee_culture)**

The logo for Medivet, featuring a stylized 'M' inside a hexagon followed by the word 'MEDIVET' in a bold, sans-serif font.

**Your First Choice for Healthy Bees**

**A Reliable Partner  
For your IPM Strategy**

Our products are available at your favourite Bee Supply Dealer

**Medivet Pharmaceuticals Ltd.**

#4, 55 -9 Avenue SE

High River, Alberta, T1V 1E6 Canada

Tel. 403 652 4441 / Fax 403 652 3692

[Info@medivet.ca](mailto:Info@medivet.ca) / [www.medivet.ca](http://www.medivet.ca)



## 2014 CSBA ANNUAL CONVENTION

November 18-20, 2014

### HYATT REGENCY VALENCIA

In Santa Clarita Valley  
24500 Town Center Drive  
Valencia, California, USA, 91355  
Tel: 661-799-1234 Fax: 661-799-1233  
[www.valencia.hyatt.com](http://www.valencia.hyatt.com)



This year marks the 125<sup>th</sup> Anniversary of the California State Beekeepers Association.

The 2014 CSBA Annual Meeting and Convention will be held in the beautiful Santa Clarita Valley, California, at the Hyatt Regency Valencia.

We look forward to seeing you there!

For more information see <http://www.californiastatebeekeepers.com/events.html>



## INTRODUCING OUR EXCLUSIVE BEE JACKET

*Natural Cotton*  
*Brass Zippers*  
*Double Velcro® Closures*  
*Elastic Thumb Straps*

\$59

XXS-XXXXL

Honey Bees & Hives:  
Langstroth  
Ruhl Long Hive  
Top Bar  
Warré

Mason Bees & Nests  
Clothing & Tools  
Medicine & Nutrition  
Harvesting & Bottling  
Queen Rearing  
Local Raw Honey & Wax  
Candle & Soapmaking  
Books & Classes  
Bee Garden Seeds  
Experienced Staff

17845 SE 82nd Drive  
Gladstone, Oregon 97027  
503 657 5399  
Visit our store or see our  
online catalog

# RUHL BEE SUPPLY



TABER'S on the web ...



**RUSSIAN QUEENS  
& PACKAGES**

Phone 707-449-0440

P.O. Box 1672

Vacaville CA 95696

[www.honeybeegenetics.com](http://www.honeybeegenetics.com)



**Queen Rearing  
Without Grafting**

Cell punch tool with  
(2) 8.5 x 11" pages  
of instructions and color  
photographs kit.

\$20.00 post-paid

Wil Montgomery  
1401 Lakemont Drive S.  
Southside AL 35907

*Charter member of WAS*

**STRACHAN  
APIARIES INC.**

New World  
Carniolan  
Bees & Queens



*We select for hygienic behavior, honey  
production, mite resistance, and gentleness.*



2522 Tierra Bizena Road (530) 674-3881  
Yuba City, CA Fax: (530) 674-5802  
95993-9654 Orders only: (800) 368-3881  
[www.strachanbees.com](http://www.strachanbees.com) [orders@strachanbees.com](mailto:orders@strachanbees.com)

*"Honeybees are the backbone of agriculture"*

**West Coast Bee Supply Ltd.**

All Your Basic Beekeeping Needs:  
Medication - Equipment - Suits -  
And Much More.

*Your Mail Order Specialists*

Phone 604-272-1921 Fax 604-272-1928

Email: [bluebob@shaw.ca](mailto:bluebob@shaw.ca)

9351 #6 Rd., Richmond, B.C. V6W 1E5

**Sacramento  
BEEKEEPING  
SUPPLIES**

HONEY • POLLEN  
ROYAL JELLY  
CANDLE & SOAP SUPPLIES

**(916) 451-2337**

2110 X Street  
Sacramento CA 95818  
Fax (916) 451-7008

Fred & Nancy Stewart  
Donna Stewart  
Pamela Hill

**AMERICAN  
BEE JOURNAL**

You Save 25%!

New  Renewal

Prices good through Dec. 31, 2014

Return white copy to: American Bee Journal, 51 S. 2nd St., Hamilton, IL 62341

Retain yellow copy for your records.

**Association Member Subscription**

(Rates listed below are 25% below regular rates.)

|                                | U.S.    | Canada  | Foreign  |
|--------------------------------|---------|---------|----------|
| <input type="checkbox"/> 1 Yr. | \$21.00 | \$36.00 | \$45.00  |
| <input type="checkbox"/> 2 Yr. | \$39.75 | \$68.75 | \$85.75  |
| <input type="checkbox"/> 3 Yr. | \$56.25 | \$99.25 | \$123.25 |

Subscriber's Name \_\_\_\_\_ Association \_\_\_\_\_

Address \_\_\_\_\_ Secretary's Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Address \_\_\_\_\_

Phone \_\_\_\_\_ City, State, Zip \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

## WAS adopts a new logo



At the Board meeting prior to the Western Apicultural Society (WAS) 2014 Annual Business Meeting, the Board approved a new logo for WAS.

Designed by University of Montana student Jessica Ament, the new logo echoes some of the basics from the original one in maintaining the traditional cell shape and the placement of the organization's title.

The rest is "fresh, new and modern", in the words of just-retired President Jerry Bromenshenk, who commissioned the artwork, also seen on the 2014 conference tee-shirts.

## Next Generation Beekeepers Summit

WAS has instituted a new program for younger (40ish and under) beekeepers, which kicked off in Missoula under direction of Sarah Red-Laird, founder and Executive Director of the "Bee Girl" organization, a non-profit with a mission to inspire and empower communities to conserve bees and their habitat. Sarah is an Honors graduate of the University of Montana's College of Forestry and Conservation, her degree being in Resource Conservation, focused on community collaboration and environmental policy. She finished her time as a student at UM with a presentation on her CCD and beekeeping findings at the National Conference on Undergraduate Research titled, "How to

Keep 100,000 Girlfriends, the Careful Relationship of a Beekeeper and Her Honey Bees."

Photos and a report on the first Summit will appear in the next issue of the WAS Journal.



## 2014 Oregon State Beekeepers Conference

November 6<sup>th</sup> to 8<sup>th</sup>

Seaside Convention Center, Seaside Oregon



Registration starts August 1<sup>st</sup>

For more information go to

[www.orsba.org](http://www.orsba.org)



Join us at the beautiful Oregon coast!





### Beekeeping supplies

Think Bee™

7619 W Woolard Rd, Deer Park, WA, 99006



Hive tools  
Smokers  
Extracting tools  
Bee suits, jackets, gloves  
.....and more coming soon!!

**ONLINE STORE**  
**shopbeemaniacs.com**

FREE shipping on orders \$50+



info@beemaniacs.com  
(509) 731-4293

### WEAVER'S famous QUEENS and Package Bees

- Buckfast
- All-American
- Beekeeping Supplies
- Queen Cells

### The R. Weaver Apiaries Inc.

16495 C.R. 319, Navasota, TX 77868

Phone 936-825-2333

Fax 936-825-3642

Email: rweaver@rweaver.com

www.rweaver.com

### Tate's Honey Farm

E8900 Maringo Drive  
Spokane, WA 99212

#### Honey and Beekeeping Supplies

Package Bees  
Candle Making  
Queens Bees  
Pollination



Honey  
Bees Wax  
Comb Honey  
Equipment

tateshoneyfarm.com

tacon105@icehouse.net

Jerry Tate

509-924-6669

Rita Tate



### Beekeeping Supplies

GloryBee carries a wide selection of beekeeping supplies for everyone from the hobbyist beekeeper to the professional. Shop with us online or request our FREE catalog today.

Equipment • Tools • Containers • Books • Gifts  
HoneyStix • Royal Jelly • Bee Pollen • Propolis

Family Owned and Operated Since 1975



www.GloryBee.com • (800) 456-7923

## MANN LAKE

WE KNOW BEES

An Employee Owned Company

# Beekeeping Supplies- We've Got You Covered!!



-Protein Patties

-Dry Feeds

-Frames & Foundation

-Extractors

-Hives & Tools

-Medications

-Containers & Labels

-Suits & Jackets



# 800-880-7694

www.mannlakeltd.com

## WAS NEWSLETTER ADVERTISING RATES

(Payable in US funds only)

black & white only available in print copies, color can be used in online version

|                                           |                 |
|-------------------------------------------|-----------------|
| Full page (7.25" x 9.75"                  | \$150 per issue |
| Half page (7" x 4.5" or 4.5" x 7")        | \$85            |
| Quarter page (3.5" x 4.5" or 4.5" x 3.5") | \$50            |
| Business card (3.5" x 2" or 2" x 3.5")    | \$25            |

Make check payable to Western Apicultural Society and mail to Newsletter Editor.

Quality & Service Since 1907



Queens  
Italian & Carniolan

Packages

F.O.B. all sized orders  
Small shipped orders

www.koehnen.com/ bees@koehnen.com  
3131 Highway 45 Glen, CA 95943 (530) 891-5216

**the Beez Neez**  
apiary supply

Beekeeping Supplies  
Local Raw Honey & Pollen  
Candlemaking Supplies  
Mason Bee Supplies, Gifts,  
& MORE!

Store hours:  
Tues-Fri 10am-6pm  
Sat 10am-4pm

(360) 568-2191  
beezneez06@earthlink.net  
www.beezneezapiary.com  
403A Maple Ave. Snohomish, WA

## WAS MEMBERSHIP RATES

|                      |              |
|----------------------|--------------|
| Individual.....      | \$20.00 US   |
| Junior .....         | \$15.00 US   |
| Senior .....         | \$15.00 US   |
| Senior Couple.....   | \$20.00 US   |
| Couple.....          | \$30.00 US   |
| Association .....    | \$20.00 US   |
| Commercial .....     | \$100.00 US  |
| 10-Year.....         | \$200.00 US  |
| Couple 10-Year ..... | \$300.00 US  |
| Benefactor .....     | \$500.00 US  |
| Patron.....          | \$1000.00 US |

# WESTERN BEE SUPPLIES, INC.

#1 - BROOD CHAMBER SPECIAL Includes: 2 Brood Chambers, 20 Frames and Plasticell, Pine Cover, Inner Cover and Bottom Board. All CM Grade. Nails and assembly instructions included.

\$110.00 Assembled (WWHOBBY2A)

\$75.00 Unassembled (WWHOBBY2)

#2 - HONEY SUPER SPECIAL Includes: 2 - 6 5/8 Supers, 20 Frames and Plasticell, one Plastic Queen Excluder. All CM Grade. Nails and assembly instructions included.

\$75.00 Assembled (WWHOBBY3A)

\$50.00 Unassembled (WWHOBBY3)

#3 - ULTIMATE HOBBY KIT Includes #1 and #2 above with a Wood-Bound Queen Excluder instead of plastic, Hooded Zipper Suit, Lightweight Leather Gloves, Hive Tool, Division Board Feeder, Smoker with shield and fuel, and First Lessons in Beekeeping Book. All CM Grade, nails and assembly instructions included.

\$350.00 Assembled (WWHOBBY4A)

\$275.00 Unassembled (WWHOBBY4)

#4 - NEW! TRADITIONAL HOBBY KIT - ASSEMBLED ONLY

Includes #1 and #2 above with a Wood-Bound Queen Excluder instead of plastic.

\$190.00 Assembled Only (WWHOBBY5A)



Call Toll-Free 1-800-548-8440

Order Online! www.westernbee.com Call for Freight Discounts!

ALL PRICES F.O.B. POLSON, MONTANA



# 2015 MEMBERSHIP RENEWAL DUES PAYMENT FORM



Name \_\_\_\_\_

First Last

Address \_\_\_\_\_

Street

City

Prov/State

Zip Code

Phone \_\_\_\_\_ Email \_\_\_\_\_

~~~~ Tell us about yourself ~~~~

Full time beekeeper? \_\_\_\_ If not, what other field do you work in? \_\_\_\_\_ # of colonies? \_\_\_\_

How long have you kept bees? \_\_\_\_ years Age group (circle one) under 25; 25 - 40; 40 - 65; 65 or over

New membership \_\_\_\_ Renewal \_\_\_\_ Check for \$ \_\_\_\_\_ enclosed for dues for the year(s) \_\_\_\_\_

I prefer \_\_\_\_ print copy or \_\_\_\_ email notification when each issue of the WAS Journal is posted online.

See page 34 for membership information. Make check payable to Western Apicultural Society and mail to:

Western Apicultural Society  
PO Box 397  
Selah WA 98942

**DON'T FORGET TO SEND CHANGE OF ADDRESS IF YOU MOVE!**

## THE REVOLUTION BOX

**SHASTINA MILLWORK**

Any Size

Any Quantity

Paint Optional

www.shastinamillwork.com  
877-789-7526-Toll Free

FREE BRANDING

Assembly Optional

INNOVATIVE DESIGN

1 5/8" New Box Joint

- Superior Strength
- Same box dimensions
- Same frame rest dimensions
- Replaceable frame rest part coming soon

\* Ask about our unique **GUARANTEE**  
\* Call for distribution points nearest you  
\* Ponderosa Pine Products (kiln dried)