

AUGUST 2014

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w.a.s. **Journal**

The Journal of the Western **w.a.s.** Apicultural Society of North America



Honey bee covered in pollen

**INSIDE: 2014 Western Apicultural Society Conference
& 2nd International Workshop on Hive and Bee Monitoring,
University of Montana, Missoula
September 17 - 20, 2014**

Western Apicultural Society of North America

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President's Message

By Jerry Bromenshenk

It's a gorgeous July day in Missoula. Blue sky and scattered clouds, green hillsides, 74o F, with a light breeze. I'm sitting in my home office, watching the clouds float across our valley, looking forward to hosting the 2014 WAS conference at the University Center (UC) on The University of Montana (UM) campus.

One part of my job is made very easy. Rolling Stone magazine proclaimed UM to have the most beautiful campus in America. You can read more and see some pictures at: <http://activerain.trulia.com/blogsview/952736/university-of-montana---the-most-beautiful-campus-in-america>. UM ground keepers and horticulturists maintain and take great pride in the State's Arboretum, a Native Plants Garden, and the UC indoor Atrium and outdoor Gardens. They've worked with me for many years on plantings that are bee friendly. The herb garden next to the UC is always buzzing.

Logistics and Directions: The UM campus is just across the Clark Fork River from the DoubleTree by Hilton Conference Hotel. It is easily accessed by either of two foot bridges. Campus grounds are flat, and walking is easy. The UC has three entrances. All entrances have gently sloping ramp for easy access to the ground floor. An elevator near the middle of the indoor Atrium runs from the ground floor to the third (top floor) where the meetings will be held. The north parking lot east of the tennis courts has Handicapped and Quick Stop Parking right in front of the Bookstore Door and just a few feet away is the North Entrance to the UC.

Meals and snacks are readily available and affordable at a variety of food outlets on the first and second floors of the UC, as well as game rooms, and places to sit and talk. The DoubleTree has a free shuttle to and from the airport. Missoula has good bus service.

Parking is very limited on the UM campus, even in pay lots. If you are driving, plan on leaving your car at the hotel. If you are flying, take the hotel shuttle. You won't need a car for attending the conference.

Vendors with trucks or trailers need to check in with Campus Parking and Security in the front building of Facilities Services. Facilities Service is in a chain-link, fenced compound, just behind the Grizzly Football Stadium on Campus Drive. There you can get a Service Vehicle or Day Parking permit, as well instructions as to where to unload at the UC, and where to park afterwards. If you're shipping packages, you'll want to send them to Event Planning c/o WAS, 32 Campus Drive, UC, Room 340, Missoula, MT 59812.

Activities: If you are athletic and want to get the kinks out after traveling, consider walking up the trail to the large white M on MT Sentinel. The switch-back trail takes you to the M 800 feet above the campus. If you are really fit, try jogging the trail, but remember, we are at 3200 ft. elevation, so you're likely to get winded. A walking and hiking trail system runs along the Clark Fork River. Bike paths are plentiful, ranging from easy rides to challenging mountain biking.

Saturday morning from about 7 to 11 am, there will be a Color Run around and through the UM campus. If you plan on participating, you will need to buy your own tickets, available on-line at <http://thecolorrun.com/missoula/2014-09-20/>. They expect 3000-5000 runners, so it should be a lot of fun. WAS attendees, plan on using the foot bridge under the Madison Street Bridge on Saturday to avoid being trampled by runners.

If you fly fish, the Clark Fork River is right outside your hotel door. There are fly fishing shops across the street where you can obtain day permits and even rent equipment. For WAS members and speakers, there will be a workshop with fly casting demonstrations and lessons for those who may wish to stay and explore our nearby Blue Ribbon trout streams.

On Thursday evening, from 5:00-7:30, UM Dining Services is putting on the **Kyra Jean Williams Farm to College Fall Festival Dinner**. This event is held outside the UC, on the UM Campus Oval. The food is all locally grown, and the chef is working on using honey. I was told this morning that he's currently experimenting with a honey-glazed lamb. At \$10.75, that certainly gets my vote.! You can buy a Festival Dinner ticket as part of your WAS registration (it is on the form).

The **Bee Buzz Social** will be held right after the Festival in The Payne Family Native American Center, our newest building, located on the SW end of the Campus Oval. Kevin Kickingwoman, who works with Native American students

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who come to Missoula for a summer research experience (we've got three working on bee projects this summer) will provide a short overview of UM'S Native American Programs; tell you a bit about the tribes and cultures of Montana, and explain and sing some traditional songs. In addition, there will be Square Dancing in the Center of the Oval as part of the Feastival.

Friday night, we will have the **WAS Annual Banquet** at the Doubletree by Hilton Edgewater Hotel. The restaurant is a Finn & Porter.

Saturday afternoon, plan on attending the **Missoula Honey Harvest Festival** on the UM Campus Oval. This will be family oriented and educational, with demonstrations, information tables, and vendors selling honey, wax, and other bee-related things such as jewelry and art. If you wish to have an educational or vendor's spot at the Honey Festival, please reserve one on the WAS registration form. Previous Honey Festivals have drawn nearly 2,000 people, mostly families, from the Missoula and Bitterroot communities. This is the first time that the Honey Festival will be held on the UM campus, where there are over 14,000 students, many of whom live on the UM campus.

WAS Meeting, Topics, Speaker, and Agenda: We will offer an extraordinary program, with a stellar group of speakers from as far away as Northern Ireland, New Zealand and Italy. The program itself consists of three parts:

- **The 2nd International Workshop on Hive and Bee Monitoring** on Wednesday, September 17,
- **WAS Conference Speakers**, Thursday and Friday, September 18 and 19,
- **Saturday Morning Workshops** covering a variety of practical topics of interest to beekeepers. Many of the workshops will have opportunities for hands-on participation and small group interaction.

The 37th Annual Meeting of the Western Apicultural Society invites all beekeepers to attend, not just WAS members. We particularly encourage all Bee Associations, Colleges, and Universities within driving distance of Missoula to car pool, bring club members, and reach out to and bring local students. We will have a steeply discounted rate for high school and college level students (must have a student card). The Saturday morning activities are specifically aimed at providing an opportunity for those who can't attend during the work week to join the rest of the attendees and take advantage of the expertise convened for this meeting.

The 2nd International Workshop on Hive and Bee Monitoring on September 17 addresses the emergence of hive electronics, optics, and molecular sciences as newly available and increasingly affordable methods for bee and pollinator research and for practical bee management. We at UM have been conducting research in the electronics and optics disciplines since 1995. But, it has only been in the last couple of years that the enabling technologies have become available at an affordable price for everyday use.

At the Eastern Apicultural Meeting (EAS) in Vermont two years ago, Frank Linton, a MITRE scientist, convened the First Workshop on Hive Monitoring, attended by a small group of researchers and technology companies from Europe and the US. As of 2014, over 30 groups worldwide are involved in researchers and technology companies from Europe and the US. As of 2014, over 30 groups worldwide are involved in using and developing

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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)
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these technologies, which are poised to radically transform bee research and colony management.

The most common type equipment to become more readily available are Radio-Frequency Identification (RFID) chips for tracking bees, and Scale-Hives for monitoring colony weight changes. We assembled a team that produced one of the first chips for bees in the early 2000s. We soon tired of gluing chips onto bees and turned to the development of laser instruments to map bee movements. We now have instruments that can map the positions of individual bees with inch or centimeter accuracy at over 100 yards or meters away. Other investigators are continuing to produce and use ever smaller and lighter RFID chips. An Australian study is marking over 5000 bees with RFID devices.

Electronic scales for beehives first appeared on the market in Europe. This year, we began marketing an electronic bee pallet to commercial beekeepers in the USA. Mann Lake now sells a two-hive electronic scale. A company in New Zealand markets an electronic shim that slips under a hive to measure weight, and a US beekeeper filed for patent on a hydraulic-based weighing system. My own company, the New Zealand company and at least three companies in Europe offer data delivery from scale-hives via satellite or cell phone communications. Huw Evans from Arnia, based in the U.K. and Italy, will show his company's system and present some of its uses.

The USA EPA is interested in Scale-Hive data. I am hoping that Dick Rogers of Bayer Crop Science will have data to share from pesticide studies he has been conducting this summer using scale-hives to monitor hive weight. Jerry Hayes of Monsanto should have data to report regarding the usefulness of scale-hives for assessing the effects of iRNA on bee health and hive weights. Wayne Esaias plans to give an update on the US study using scale-hives that he established while at NASA.

I'm really looking forward to hearing the comments of Robert McCreery of the Dromore Beekeeping Association in Northern Ireland. A group of their Journeyman beekeepers have established 8 monitoring sites, where they are setting up continuous hive monitoring. The data is being shared with local schools. From New Zealand, my friend, David McMillan intends to come and talk about the molecular genotyping that Betta Bees is doing as part of their breeder queen program.

The day-long Wednesday Workshop will have speakers who will address Scale-Hives and Smart Hives, RFID and bee tracking, LIDAR (i.e., lasers) bee mapping, Infra-Red Imaging of hives, Acoustic Monitoring and Scanning of colonies, distributed Monitoring networks, and molecular technologies applied to bee genetics and breeding programs. In addition, we will have speakers who will talk about technology transfer, partnering of businesses and universities, licensing, and the US government's Small Business Innovation Awards that help small businesses in the USA develop new technologies.

You'll also see and meet all of my research team at this and the Saturday workshops, including Colin Henderson my main research partner, David Firth our honey bee business development expert, Scott Debnam my long-term student and employee who is now working on his own Ph.D., Philip Welch, another former student and long-term employee and our resident fly-fishing expert, Robert Seccomb who is leading our Acoustic Scanning Research, and Wil Leishman, our electronics specialist. Robert and Scott will be presenting at the Workshops.

WAS CONFERENCE

The Main WAS Conference Meetings will convene on Thursday and Friday. We've a full and diverse set of speakers covering a broad range of current topics. We will have two Keynote Speakers, one for each day. On **Thursday**, Eric Mussen will open the Conference, sharing his perspective as the newly retired extension specialist from UC Davis. With a career that spans close to 40 years and as a founder of WAS, Eric has seen dramatic changes in our industry, and now hopefully, he will have time to ponder the future.

On **Friday**, we have G. Philip Hughes, Senior Director of the White House Writers Group of Washington, D.C.; Former Ambassador and White House National Security Aide for Presidents Robert Reagan and George H.W. Bush. He will address the neonicotinoid pesticides and bees debate, giving a play-by-play of how this issue has been and is being played out. He will highlight the issues being ignored, misstated or over-simplified along the way by the media and politicians. He will also address the role of journalists in 'muddying' rather than clarifying the waters, as well as the recent involvement of the White House in honey bee and pollinator health and protection.

WAS speakers familiar to most of you include Medhat Nasr and Randy Oliver who will address current issues important to all beekeepers. Others that you should know, but may not, are Jerry Hayes, a frequent contributor to bee magazines, former head of the Florida Bureau of Plant and Apiary Inspection, and now the Bee Health Lead for Monsanto's team. Jerry is looking at iRNA and other options for improving bee health. Dick Rogers, originally from Canada, is now the Principal Scientist and Apidologist for Bayer Crop Science and its new Bee Care Center in North Carolina.

More recent entries to bee research and education are Michelle Flenniken from Montana State University, who is working on bee disease. Her graduate student, Laura Brutscher, is the Project Apis m.-Costco Fellow. You will also meet

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and get to know Sarah-Red Laird of Bee-Girl in Oregon, a honey bee education and conservation non-profit organization; and Elena Hoffman, the American Honey Princess.

The **Wednesday** Workshop will focus on cutting-edge and emergent tools and technologies. **Thursday**, we'll focus on contemporary issues facing the beekeeping industry, as well as updates on research into issues such as bee diseases and treatments, varroa mites and Nosema, and pesticides. I've penciled in Medhat Nasr to talk on Thursday about current issues in Canada. I've also asked him to bring us up to date on his newest insights to varroa and Nosema control. **Friday**, Randy Oliver will talk about working with and managing bees. Also on Friday, we'll turn to specialty topics that should be of interest to all beekeepers, whether new or experienced, small or large-scale.

I've asked Dr. Steve Running, Regent Professor, UM School of Forestry, to address climate change. Steve will address what climate change means to western beekeepers in terms of projections of changes in weather and associated impacts such as when plants are going to bloom.

Kelly Chadwick, UM University Atrium Supervisor and Native Plants Specialist, and Kristine Csorosz, UM Grounds and Horticultural Specialist, will talk about the award winning work being done at UM in terms of the State Arboretum, landscape design, and pollinator friendly plantings, both ornamentals and native plants.

Mark LoParco, Director of UM Dining and President of the National Association of College and University Food Services will fill you in on the UM Farm to College program. Many of you will have a chance to taste the products of this program at the Festival on Thursday evening. This program should be a model for all colleges and universities. Each of you should take notes, go home, and spread the word. Mark's talk will be followed by Courtney Fullerton of Glacier County Honey.

Courtney and her husband Greg, Vice President of the Montana Beekeeper's Association, are an inspiring example of a multi-generational, commercial beekeeping business that is turning to direct marketing of their honey and bee-related products. Courtney has been putting in place honey contracts with a boutique yogurt company, local restaurants, and good food stores. Courtney will also be selling their products at the Saturday Missoula Honey Harvest Festival.

Our UM speakers have classes and other activities, some of which have yet to be scheduled by UM. The Final Conference Agenda schedule may change a bit in terms of who presents on Thursday or Friday. Somewhere, we will fit in a discussion of current activities in honey bee education and conservation. This will be led by a Panel consisting of Sarah-Red Laird from Bee Girl, Elena Hoffman, the American Honey Princess, and Roger McClean, the Dean of UM's School of Extended and Lifelong Learning (SELL). I'm going to ask Kim Flottum to moderate this panel.

I'm hoping Royce Engstrom, UM President, will be in town to welcome you to Missoula. He's very enthusiastic about seeing our 'Week of the Bee' on the UM Campus, and he has agreed to talk to you if he's in Missoula that week.

Saturday Morning we will have workshops on a variety of topics. I'm well aware that many local area beekeepers (which in the west means within a day's driving distance), have Monday through Friday jobs. So, we're planning on a variety of activities for Saturday for both WAS, other beekeeping associations, and anyone keeping and interested in keeping bees.

We'll ask you to pay a flat rate fee for most of these workshops. You will get a ticket allowing you to attend as many workshops as possible. A couple of workshop presenters may charge an additional fee, but the majority will be covered by the flat rate.

I'm also encouraging every college and university that has undergraduate and graduate students with bee-related projects to help get their students to this meeting. If we get a sufficient number of students, we will have a poster session for them on Saturday. They can get together and meet each other at the afternoon Missoula Honey Harvest Festival.

Although the final **Saturday Workshop Program** is still being put together, I know we will have workshops and demonstrations of the following:

- Microscopy for Identification of Nosema and Tracheal Mites (we will supply the microscopes, you can bring samples of your own bees for testing) – Scott Debnam.
- Hive and Bee Monitoring Tools and Methods – Bee Alert and other Researchers and Vendors, including, but not limited to:
 - LIDAR for bee mapping,
 - Infra-Red cameras for bee management and detection of pesticide exposure,
 - Acoustic scanning for detection of bee pests, diseases, and pesticide exposure,
 - Scale-Hives for Research and Bee Management,
 - Cellular and Satellite communications for distance monitoring.
- Educational Tools and Programs for K-12 students and for Adults – Sarah Red-Laird and others.

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- Queen Breeding – Melanie Kirby and others.
- Candle making, wax molds, and other wax-related activities – A.I. Root, Mann-Lake, and others.
- Honey bee anatomy – Scott Debnam and/or Larry Conner.
- Fly Casting and Fly Fishing in Montana – Phil Welch, one of my employees and expert fly fisherman. Limited to WAS members and speakers, aimed at encouraging some of you to stay over a few days and enjoy western Montana.

Plan on staying for the **Saturday Afternoon Missoula Honey Harvest Festival**. If you wish to sell honey or other bee-related products, be sure to reserve a spot on the WAS registration form or contact me directly.

Royce Engstrom, the UM President, asks that the Honey Festival be open to the community, be family-friendly, promote beekeeping and pollinator health, and encourage beekeepers and sustainable agriculture proponents to come to UM and share their products and knowledge.

The Deans of the School of Extended and Lifelong Learning, the UM Davidson Honors College, the Director of the UM Environmental Studies Program, the Associate Dean of the Division of Biological Science, the Missoula College and its Culinary School, and the Dean of the UM College of Humanities and Sciences all welcome WAS to Missoula. They will contribute speakers and booths at the Missoula Honey Harvest Festival.

Please Help: WAS membership is small compared to that of the Eastern Apicultural Society. Our members, including myself, are getting older. Yet, we've seen a resurgence in interest in beekeeping in the western states and provinces, as is happening around the world. I am asking each and every WAS member to do three things:

- Come to WAS and encourage at least one other beekeeper to come.
- Reach out to your local beekeeping clubs and associations and encourage them to attend the Missoula meetings.
- Help send students to WAS, where they can share what they are doing and most importantly, meet other students who have a common interest in bees, bee research, or beekeeping – many need release from their classes and some help with travel, meal, and lodging costs.

I've done my best to bring in a world class set of speakers, matched by equally competent speakers from Montana State University and The University of Montana. "THIS IS NOT YOUR GRANDFATHER'S BEEKEEPING CONFERENCE", as should be evident by the breadth and depth of expertise of the speakers and the range of topics from cutting-edge to practical guidance for beekeepers.

See you all in Missoula in September. *Best Regards, Jerry Bromenshenk*

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WESTERN APICULTURE SOCIETY CONFERENCE and 2nd International Workshop on Hive & Bee Monitoring REGISTRATION FORM

University of Montana - Missoula
September 17 - 20, 2014

EARLYBIRD Registration must be POST-MARKED by August 15th, 2014

Name(s): _____
As you wish it (them) to appear on your name badge(s)

Current mailing address: _____

City, State/Province: _____ Zip/Postal Code: _____

Telephone Number: _____ Email: _____

CONFERENCE RATES	Cost Per Person		No of Persons	Total
• FULL CONFERENCE PACKAGE: (2nd Int'l Workshop on Hive & Bee Monitoring Wednesday, Bee Buzz Social Wednesday evening, WAS Speakers Thursday & Friday. Lunch on your own: lots of choices on campus)				
Early registration (mailed by August 15th)	\$150.00	x	_____	= _____
Delayed Registration (after August 15th)	\$175.00	x	_____	= _____
• ONE-DAY REGISTRATION -				
2nd International Workshop on Hive & Bee Monitoring ONLY on Wednesday				
	\$75.00	x	_____	= _____
Thursday or Friday only	\$65.00	x	_____	= _____
<i>Specify day (s) _____</i>				
• STUDENTS (with valid student cards) Specify day(s)/a.m. or p.m. _____				
Full day	\$30.00	x	_____	= _____
Half day	\$15.00	x	_____	= _____
• WORKSHOPS (Saturday a.m) Flat fee of				
	\$30.00	x	_____	= _____
<i>All you can fit in. Options will be in your registration package. See Conference Schedule for more details.</i>				
• KYRA JEAN WILLIAMS FARM TO COLLEGE FALL "FEASTIVAL" DINNER (Thursday evening).				
	\$10.75 (!!!)	x	_____	= _____
• WAS AWARDS BANQUET (Friday ev. at the hotel)				
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• UM COLOR RUN - Details at http://thecolorrun.com, click "See All Cities", then on Missoula by name or on the map. <u>NOTE: Register and pay on your own, NOT included in WAS conference arrangements</u>				
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indoor wintering bee tour _____ or Glacier National Park tour _____				
• ANNUAL DUES (US funds) not required for attendance at conference				
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Early registration forms and payments must be mailed no later than August 15th, 2014. Payments must be in U.S. Funds and either a check or money order (no credit cards) made out to Western Apicultural Society.

MAIL TO: WAS Treasurer/Registrar Sherry Olsen-Frank, PO Box 5274, Twin Falls ID 83303-5274

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- A natural and non-toxic treatment
- Through thousands of treatments efficacy rates ranged from 85% to 95% with an overall average of 93%.
 - It respects both the hive products and the consumer
 - Encourages the hygienic behavior of the honey bee, preventing a number of related problems
 - Resistance is controlled and unlikely to occur with Apiguard
 - Ease of use: 2 x 50 gm treatment trays per hive, with an interval of 14 days, in summer just after the honey flow
 - Best results occur when bees are active and maximum daily temperatures are between 60°F and 105°F.
 - Though registered as a Varroa treatment, Apiguard has been proven to effectively treat Tracheal mites as well.



M01481
Bulk Tub

M01480
c.10 /Foil Pack

Also available in bulk tubs. Includes dosing scoop, spatula, and delivery pads.

1-19 pkgs.	\$95.00
20-99	\$93.00
100-299	\$89.00
300+	\$85.50

Foil pack contains 10 individual 50g treatments ready for application.

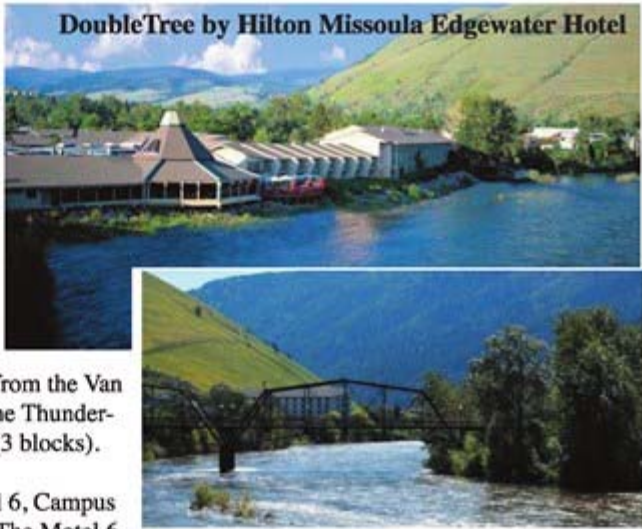
1-9 pkgs.	\$32.95
10+	\$30.50

Dadant Website



• 15 C. VALLEY CT., CHICO, CA 95973 • PHONE (530) 893-0921 • FAX (530) 893-0922 • TOLL FREE 1-877-332-3268 •
• 2765 S. GOLDEN STATE BLVD., FRESNO, CA 93745 • PHONE (559) 495-0230 • FAX (559) 495-0232 TOLL FREE 1-877-432-3268 •

URGENT! A block of 100 rooms is set aside for WAS at the Doubletree but **DON'T WAIT TO BOOK.** With so much else going on in Missoula on conference weekend, all rooms will go fast. Our rate is \$120 per night. Reserve online (http://doubletree.hilton.com/en/dt/groups/personalized/R/RLMV-DT-API-20140916/index.jhtml?WT.mc_id=POG) which will automatically log the special rate. OR call reservations at 406-542-4611, or email Courtney.blowers@hilton.com and tell them you are with WAS.



OTHER HOTEL OPTIONS - The newest is the Comfort Inn, 2 blocks east of the Van Buren bridge. The closest is Goldstein's Bed and Breakfast, about 1/4 block from the Van Buren Bridge. Going east from the Van Buren Bridge is the Thunderbird (1 block), Comfort Inn (2 blocks), Family Inn Motel (3 blocks). All of these are on the river side of the street.

Directly north of the Doubletree (1 block) are the Motel 6, Campus Inn, and Budget Inn, all on the railroad side of the street. The Motel 6 and Campus Inn have been updated but are close to the tracks. Budget Inn is old, and closest to the tracks.

West from the Doubletree and the Madison Street bridge are the Downtown (1 block and rather shabby), BelAire Motel (under 2 blocks), City Center (3 blocks), and Royal (3 blocks). Day's Inn and Holiday Inn Parkside (where we held the 2005 meeting) are 4 blocks.

The Doubletree, Parkside, and Comfort Inn are probably the most comfortable. The Campus Inn and Motel 6 look reasonably fresh and updated from the outside. The others are showing their age.

There's another group of hotels on the west side of the City Center, close to St Patrick's Hospital. The newest are on Reserve Street and out by the Airport. You'd need a car or bus (change city buses at the downtown terminal). There's another cluster of hotels on Brooks, near Reserve, but they're even farther away.

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Drone Combs

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14 August 2014



Bayer CropScience would like to congratulate its 2014 Bee Care Community Leadership Award winner Herbert Everhart and the West Virginia Eastern Panhandle Beekeepers Association.

In honor of National Pollinator Week, Bayer's Bee Care Program celebrated West Virginia beekeeper and Vietnam veteran, Herbert Everhart, with the second annual Bee Care Community Leadership Award. Herbert and the beekeepers association received \$5,000 to continue their efforts of supporting local youth and veterans.



Learn more about how you can help honey bees thrive by becoming a fan on Facebook and following us on Twitter.



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August 2014 15

**37th Annual Meeting, Western Apiculture Society (WAS)
2nd International Workshop on Hive and Bee Monitoring
The Future....brought to you by WAS, and Bee Culture Magazine**

Tuesday	16-Sep	
6:00 - 7:00 p.m	Registration, 3rd Floor Lobby, North End, UC	
Wednesday	17-Sep	3rd Floor, Ballroom Area, University Center, The University of MT
7:30 -8:30	Registration , 3rd Floor Lobby, North End, UC	
8:30-8:45	Opening Comments, Jerry Bromenshenk and Frank Linton	
8:45-9:15	Monsanto Research and Scale Hives, Jerry Hayes	
9:15-9:45	Bayer Crop Science Research and Scale Hives, Dick Rogers	
9:45-10:15	Break	
10:15-10:45	Wide Scale Scientific Experiments Can be Conducted by Beekeepers, Huw Evans, Arnia	
10:45-11:15	Journeyman Hive Monitoring, Robert McCreery, Dromore Beekeepers, N. Ireland	
11:15-11:45	NASA Monitoring Project Status, Wayne Esaias, Goddard Space Center, Retired	
11:45-1:00	Lunch - Workshop Breaks early to avoid student crush at noon	
11:45-1:00	WAS Board Meeting , Rm 205 School of Extended and Lifelong Learning	
1:00-1:30	Interpreting Continuous Hive Weight and Temperature, William Meilke, USDA	
1:30-1:50	Acoustic Scanning of Bee Pests, Diseases, Pesticides, Robert Seccomb, Bee Alert	
1:50-2:10	LIDAR Mapping of Bees, Scott Debnam and Colin Henderson, University of Montana	
2:10-2:30	RFID Chips & Infra-Red Imaging, Jerry Bromenshenk, Bee Alert	
2:30-3:00	Break	
3:00-3:30	Partnering with Universities and other Companies, Joe Fanguy, University of MT	
4:00-4:30	Looking to the Future, Panel Discussion, David Firth, Univ. MT - Moderator	
4:30-5:00	Molecular Genetics for Queen Production, David McMillan, Betta Bees, New Zealand	
5:00	Adjourn	
7:00-9:00	Dinner for Speakers, Sponsored by Bee Culture Magazine Ekstrom's Stage Station, Clinton, Montana	
*1:00-5:00	Vendor Set-Up, UC Ballroom	
Thursday	18-Sep	3rd Floor, Ballroom Area, University Center, The University of MT
7:30 -8:30	Registration , 3rd Floor Lobby, North End, UC	
8:30-8:45	Opening Comments, Jerry Bromenshenk	
8:30-8:45	KEYNOTE ADDRESS A Retrospective Look at a Career in Extension Apiculture, Eric Mussen, UC Davis	
9:45-10:15	Break	
10:15-10:45	Educational Outreach for Kids, Sarah Red-Laird, Bee Girl; Elena Hoffman, Honey Princess	
10:45-11:15	On-Line Courses, Roger McClean, University of MT SELL	
11:15-11:45	Honey Bee Virology and Diseases, Michelle Flenniken, MSU Virologist; Laura Brutscher, MSU, Project Apis m.-Costco Fellow	
11:45-1:00	Lunch - Meeting Breaks early to avoid student crush at noon	
1:00-1:30	Honey Bee Health in Canada, Medhat Nasr, Alberta Province	
1:30-2:00	Bees in N. Ireland, Robert McCreery	
2:00-2:30	Bees and Bee Breeding in New Zealand, David McMillan	

FALL & WINTER BEE MEETINGS - PULL-OUT SECTION



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



This year marks the 125th 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>





BCHPA Convention & Annual General Meeting

September 25th - 27th, 2014
Richmond, BC
Delta Vancouver Airport Hotel

Educational Day Speakers


Maria Spivak
 The Benefits of Propolis to Bee Health


Dewey Caron
 Communicating with the Bees - Reading the Brood Frame


Eric Mussen
 Major Bee Diseases, Pests and Their Control


Allen Dick
 The Financial Side of Beekeeping


Jean-Marc LeDorze
 Typical Season for Golden Ears Apiaries


Shelley Hoover
 Bee Integrated Pest Management Project Update


Judy Campbell
 Bee Innovative with Products from the Hive

Join us for an opportunity to learn, meet people working on a diverse array of beekeeping topics, and have some fun too!

Events planned include:

- Trade Show with 20 vendors
- Honey Contest
- Significant Other Program
- Early Bird Draw
- Banquet
- Wine and Cheese Social



Check the BCHPA website for more information at www.bcbeekeepers.com

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

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 10/16/2014		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

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

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MANHATTAN BEACH,
CALIFORNIA
JANUARY 6-10, 2015



46th Annual AHPA Convention & Trade Show

MANHATTAN BEACH MARIOTT

This is NOT your Grandfather's Bee Conference!

WESTERN APICULTURAL SOCIETY 

Sept 17-20, 2014

The University of Montana - Missoula

- Sept 17 2nd International Workshop on Hive & Bee Monitoring
- Sept 17-20 WAS Conference - Updates on Research, Management, Bee Friendly Plants, Everything Honey, and More
- Sept 18 Kyra Jean Williams Farm to College Fall 'Festival' with dinner on the Oval (evening)
- Sept 18-19 Main Conference Presentations & Trade Show
- Sept 19 Banquet
- Sept 20 Workshops - Candle Making to Queen Breeding (a.m.)
- Sept 20 UM Color Run for the Fun and Exercise (a.m.)
- Sept 20 Missoula Honey Harvest Festival on the UM Oval with additional opportunities (p.m.)

Accommodation at the Doubletree by Hilton Hotel Edgewater, just across the river via footbridge from the campus.

See missoulaedgewater.doubletree.com
406-728-3100 Code APIC

See it all on the website: ucanr.edu/sites/was2/Conference_Information
or email Dr. Jerry Bromenshenk WASpresident2014@gmail.com

2014 Oregon State Beekeepers Conference

November 6th to 8th

Seaside Convention Center, Seaside Oregon



Registration starts August 1st

For more information go to

www.orsba.org



Join us at the beautiful Oregon coast!

Supporting Colorado Beekeeping since 1880



Colorado State Beekeepers Association
www.coloradobeekeepers.org

CSBA Winter Meeting

Douglas County Fairgrounds

November 8, 2014

9-5

All beekeepers welcome!

www.coloradobeekeepers.org