

Washington State Beekeepers Association



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Publication of Washington State Beekeepers Association

www.wasba.org

November 2007

President's Message

We made it through the convention and are on our way to planning the next one. We were treated very well at Sun Mountain, the food was great, and the company was pleasant, the speakers did a great job, the auction went extremely well, and we had snow.

The bad part was leaving and going back to work. I'm sure everyone felt that way. We need to really thank Dave Sabold for all the work he did for the convention. Without his help we would have had a rough time of it. We had a nice snow storm and really added to the convention.

We are starting to work on next year's convention and after a meeting with Chuck Sowers President of the Oregon Association it was decided to hold a joint meeting and it would be sponsored by WSBA. There will be minutes of the meeting coming out and that hopefully will clear up any issues. Thanks to Chuck for attending our meeting.

The ABF meeting in Sacramento is coming up in January and that should be a great meeting. We should get a complete report from each of the bee labs on their research projects with the new money they have received and to get info on CCD. Lets hope they have started into the project. In the past week I've heard again of CCD striking in California. Again we will have to wait until everyone starts going through their hives to understand what is really happening. I fear we will have another bad year and those not affected last year will get hit this year.

With the close of one bee season the next one is starting as the beekeepers start moving hives to California. We used to think it was the beginning of spring flowers. For some of us it still is. I for one am looking for some down time to get the shop work caught up and the new pouring room up and running. A little expansion never hurt anyone. I think at times we make our bees do so much it puts them under too much stress and that brings on all these problems the bees are having. I have the honey house to clean this weekend and clean up the last of the extracting. I'm running real late this year. Too many trips out of town on business. I wish all of you a Happy Thanksgiving.

Jerry Tate

Executive Board Meeting Minutes

WA State Beekeepers Association
October 18, 2007 Executive Board Minutes
Jody Lynn Pilarski, Secretary

The meeting location was at the beautiful Sun Mountain Lodge, Winthrop, Washington. The Meeting was called to order at 5:00 pm by Jerry Tate, WSBA President.

Reports

The Secretary's Report-minutes in last newsletter.

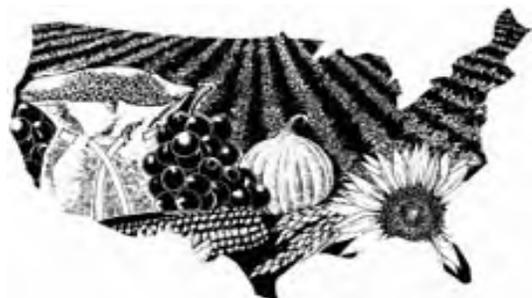
A motion was made to accept the Executive Board minutes from the June 23, 2007 meeting as written. Motion/Second/ Approved.

(Continued on page 2)

Convention Auction Results

The Thurber, Timmons and VanWechel Scholarship funds benefited from your generosity by \$3,746.

Thank you all for supporting beekeeping research in Washington State!



Executive Board Meeting Minutes, continued

(Continued from page 1)

The President also reviewed the conference packet and weekend events. A memorial table was set up in honor of Miriam Bishop that was a wonderful tribute of her life.

The Treasurer's Report

The Treasurer's Report was reviewed as submitted in the Annual Conference packet. It was noted that Lisa Knox was stepping away from the Treasurer position. Lisa contributed 7 years as the Treasurer for WSBA. The WSBA membership is deeply grateful to Lisa for her contributions and the financial growth and stability she has nurtured on behalf of the Association. The general account balance is \$6,102.36. The scholarship/research savings and CD balances subtotal is \$73,669.55 for a total balance of \$79,771.91. A motion was made to accept the Treasurer's report as submitted.

Motion /Second/Approved

Membership Report

Current membership is as follows:

WSBA Regular membership	66
New Members	11
Industrial Members	2
Honorary members	6
Pending renewals from 2006	23
2007 Associate Memberships	212

(Continued on page 3)

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Executive Board Meeting Minutes, continued

(Continued from page 2)

A motion was made to accept the Membership report as submitted.
Motion/Second/Approved

Master Beekeepers Certification Committee Report

The Master Beekeeper Committee has completed the project of updating the Apprenticeship Certification tests. The plan is to have the new tests ready for the spring start of classes. As noted in the conference program, the Master Beekeepers Committee will be offering the test during the annual convention.

Apiary Advisory Committee meeting report – Eric Olson

Eric Olson has been elected as the Apiary Advisory Committee Chairperson. The fund balance of the committee is approximately \$80,000 and the intent of the money is dedicated to research. Eric reassured the Board that the Apiary Advisory Committee is committed to funding good projects that will address the current problems beekeepers are experiencing in the field. The draft minutes are not available as of yet from the first meeting.

A motion was made that when the Apiary Advisory Committee minutes become available, a copy will be mailed only to state registered beekeepers and published on the WSBA web site.
Motion/Second/Approved

(Continued on page 4)

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Executive Board Meeting Minutes, continued

(Continued from page 3)

One of the issues discussed by the Apiary Advisory Committee was the need to identify colony ownership. This past practice has gone by the wayside as a result of the loss of the state apiary program. The group discussed that some type of identification should be a requirement. Eric cited an example of a beekeeper that placed his bees in a pasture area with out permission from the land owner. The land owner did not appreciate this and assumed the bees belonged to Eric. Eric worked with the landowner to correct the situation for a positive out come. If an identification system would have been in place this situation would have been avoided.

The Committee also discussed the Colony Collapse Disorder and the need for research and education on the issue. All committee members reported their experience with CCD in a round table format with good input from all members

Another issue discussed by the committee was a bill that was submitted to exempt beekeepers from the B&O tax for pollination. The bill has been introduced and will be moved forward to this legislative session. Beekeepers need to be recognized as “Agricultural” and not “Service Industry” as beekeeping is classified under the current tax system. All members were encouraged to contact their legislators.

A final issue brought forward in the committee was bee pasture land. Eric stated this issue will be the biggest problem facing beekeeping on the near future. As more housing developments and urban sprawl occur, less land is available for wintering and staging colonies. There is a movement underway in California to ban bees within a 2 mile radius of mandarin plantings. Apparently, if the mandarins are pollinated the fruit develops seeds lowering the retail price of the fruit. The California Beekeepers Association is fighting the bill and has set up a “CSBA Location Defense/Right to Farm Fund. All members were concerned that if this type of legislation is successful it would set a dangerous precedence for the beekeeping industry.

Old Business

1. Jerry Tate reported that the Association is working towards a joint convention for next year. Jerry will be meeting with the Oregon Association president and will report back to the group at the spring executive board meeting.

New Business

Request for grants. This was tabled to the general membership meeting.

Master beekeepers request for publishing new curriculum books.

A motion was made to approve funding for the printing of the newly revised curriculum books.

Motion/Second/Approved

Appointment of the Audit Committee

Arlene Massey was appointed to complete the yearly audit of the books. Arlene agreed to the task and will report her findings at the general membership meeting.

Section 18 requests. This was tabled to the general membership meeting.

(Continued on page 5)

Executive Board Meeting Minutes, continued

(Continued from page 4)

Field days discussion. This was tabled to the general membership meeting.

Other Business

Dr. Sheppard was not present for the meeting. There continues to be the feeling that WSU is not addressing local beekeeping issues such as the need for a bee health survey that applies to the northwest region. The Association is of the opinion that WSU has been inactive and has failed to respond to the tracheal mite problem, the development of a regional diagnostic center, and developing programs that relate to what beekeepers are experiencing in the field. The Association believes that Dr. Sheppard has not followed through with what he has agreed to do and that the focus has been on capital projects, the queen rearing program and applied research that does not meet the needs of beekeepers in day to day reality. Jim Bach, Jerry Tate and Eric Olsen plan to meet with Dr. Sheppard to discuss their on going concerns regarding the WSU program.

Meeting was adjourned at 6:30 pm.

Annual General Membership Meeting Minutes

WA State Beekeepers Association
October 19, 2007 Annual General Membership Meeting Minutes
Jody Lynn Pilarski, Secretary

The meeting location was at the beautiful Sun Mountain Lodge Winthrop, Washington.
The Meeting was called to order at 4:50 pm by Jerry Tate, WSBA President.

Reports

Jerry Tate, WSBA President reviewed the published reports within the convention packet. He called for any questions from the general membership regarding the following reports:

1. The Secretary's Report - All minutes covering the previous year.
2. The Treasurer's Report - Executive summary and financial statement. Arlene Massey conducted an audit of the books and reported that everything was in good order.
3. Membership Report - As published.
4. Master Beekeepers Report – Minutes as published.

(Continued on page 6)



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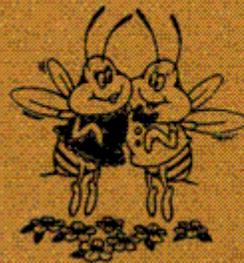


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Annual Meeting minutes, continued

(Continued from page 5)

Hearing no questions from the floor, a motion was made to accept all of the above stated reports as submitted.

Motion/Second/Approved

Area Reports

The discussion of area reports was tabled.

The Master Beekeeper Committee

The Master Beekeepers Committee requested funding to print the new set of Apprenticeship curriculum books in the amount of \$800.00.

Motion/Second/Approved

Old Business

Apiary Advisory Committee meeting report – Eric Olson

Eric Olson reviewed for the general membership what he shared with the executive board the previous day. He informed the general membership that he was elected as the Apiary Advisory Committee Chairperson. Eric stated that the fund balance of the committee is approximately \$80,000 which is earmarked for research. Eric assured the general membership that the Apiary Advisory Committee is interested in finding projects that are meaningful to beekeepers. The Apiary Advisory Committee is committed to funding good projects that will address the current problems beekeepers are experiencing in the field. The draft minutes are not available as of yet from the first meeting. When the minutes become available a copy will be mailed only to state registered beekeepers and published on the WSBA web site.

Eric discussed the need to identify colony ownership. He again mentioned that this past practice has gone by the wayside as a result of the loss of the state apiary program. The Apiary Advisory Committee discussed that some type of identification should be a requirement. Eric cited an example of a beekeeper that placed his bees in a pasture area with out permission from the land owner. The land owner did not appreciate this and assumed the bees belonged to Eric. Eric worked with the landowner to correct the situation for a positive out come. If an identification system would have been in place this situation would have been avoided.

Eric mentioned that the Committee also discussed the Colony Collapse Disorder and the need for research and education on the issue. All committee members reported their experience with CCD in a round table format with good input from all members

Another issue that was reviewed by the committee was a bill that was submitted to exempt beekeepers from the B&O tax for pollination. The bill has been introduced and will be moved forward to this legislative session. All members were encouraged to contact their legislators.

A final issue discussed in the committee was bee pasture land. Eric stated this issue will be the biggest problem facing beekeeping on the near future. As more housing developments and urban sprawl occur, less

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Notes From The WSBA Fall Convention

By Jim La Hatt

Mount Baker Beekeepers Association

If you're in the lounge of an up-scale hotel near Winthrop having an Irish Coffee, and from one direction you hear a group talking about pollen patties and from another you hear nutrition, nutrition, nutrition, it's a safe bet you're at Sun Mountain Lodge and overhearing folks who are attending the WSBA Fall Conference.

The efforts of Jo Miller, to honor a promise she made to her recently departed, close friend, Miriam Bishop, helped make this a very special conference. Jo promised to pickup where Miriam was leaving off and help the Methow Valley Beekeepers president David Sabold. The added help of WSBA president Jerry Tate and the executive staff, made the conference a great joy to attend. What a lot of work for so few!

Thursday evening's no-host, cheese and wine tasting social kicked off the conference with Cougar Gold cheese from the WSU creamery and Wolfgang's mead the star attractions. (More about Wolfgang's mead in future articles.) There was also a wonderful herb flavored, soft goat cheese that I am sorry to say I didn't get the makers name.

WSBA president, Jerry Tate kept Friday's presentations moving along briskly starting with Bart Smith, USDA-ARS, Beltsville, Maryland Bee Laboratory. Bart touched on the history of the Lab starting in 1891 and explained how the lab receives samples from across the US and from around the world for disease diagnosis. Before discussing the various diseases they usually encounter, he stated that it is a free service and stressed that we should use it. They examine both comb and adult bee samples, however there are some rules about packaging samples that we need to be aware of. Therefore, he suggests that we lookup the USDA web site to find the requirements before shipping. The web site is www.ars.usda.gov. It's an immense site with numerous sub-sites and pages, so you might spend a little time finding your way around. When you find Bee Diagnosis Service under the Insect Pathogen Identification heading you're pretty close. -

The most common diseases and pests they encounter are AFB, EFB, Nosema (Both Apis and Ceranae), Tracheal Mites, Varroa Mites, Chalkbrood, Sacbrood, and Small Hive Beetle. Many of these maladies can be diagnosed by the beekeeper without resorting to the lab, so Bart suggests finding the web site and down loading Agriculture Handbook No. 690, Diagnosis of Honey Bee Diseases. It's "free".

After a short break, Sue Cobey spoke of her recent move to UC Davis from Ohio State University. Sue, well known for her association with New World Carnolians, has joined the staff at UCD in its major effort to revive the Bee Lab. A happy note for those on the left coast who wanted to take Sue's class on honeybee instrumental insemination - she'll still teach it and she's closer.

Sue spoke in depth about genetic diversity and the benefits -vs- risks of queen Multiple Drone Insemination. In short, I didn't hear the risks, but I did hear the benefits.

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WSBA Officers & Exec. Committee

President:

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509-924-6669, President@wasba.org

Vice President:

Eric Olson, 93 Camfield Rd., Yakima, WA 98908
509-966-2867

Secretary:

Jody Pilarski, 9125 Edgewater Drive SW, Lakewood, WA
98499-1925, 253-988-3090, Secretary@wasba.org

Treasurer:

Paul Hosticka, 517 S. Touchet Rd., Dayton WA 99328
509-382-8939, Treasurer@wasba.org

Area #1 Representative:

Jerry Robnett (2010), 360-387-3693, Area1@wasba.org

Area #1b Representative:

OPEN, Area1b@wasba.org

Area #2 Representative:

Robert Smith (2008), 15525 Castle SE, Yelm, WA 98597
360-894-2159, Area2@wasba.org

Area #3 Upper Valley Representative:

James Bach (2006), 21 N. 1st Ave. Suite 236, Yakima, WA
98902

Area #3 Lower Valley Representative:

Arlene Massey (2006), 2781 Hornby Rd, Grandview, WA
98930, 509-882-4601

Area #4 Representative:

Dave Sabold (2010), 17 Bean Road Winthrop WA 98862,
509-996-2522, Area4@wasba.org

Area #5 Representative:

Paul Hosticka (2010), 517 S. Touchet Rd., Dayton WA 99328
509-382-8939, Area5@wasba.org

Area #6 Representative:

Robert Arnold (2010), 42615 N. Division Rd., Deer Park,
WA 98006, 509-276-2399, Area6@wasba.org

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Annual Meeting minutes, continued

(Continued from page 6)

land is available for wintering and staging colonies. There is a movement underway in California to ban bees within a 2 mile radius of mandarin plantings. Apparently, if the mandarins are pollinated the fruit develops seeds lowering the retail price of the fruit. The California Beekeepers Association is fighting the bill and has set up a "CSBA Location Defense/Right to Farm Fund. All members were concerned that if this type of legislation is successful it would set a dangerous precedence for the beekeeping industry.

Convention site for next year.

Jerry Tate reported that the Association is working towards a joint convention for next year. Jerry will be meeting with the Oregon Association president and will report back to the executive board at the spring meeting.

New Business

Election of Officers

Jim Bach once again facilitated the nomination of officers and area representatives.

The nominations for WSBA Executive Board offers were as follows:

President	- Jerry Tate
Vice President	- Eric Olson
Secretary	- Jody Pilarski
Treasurer	- Paul Hosticka

A motion was made to close the nominations and to accept the slate of officers as presented by the nominating committee.

Motion/Second/Approved

Area Representatives

A short discussion took place regarding the expectations and role of an area representative. The expectation is for the AR to touch base with their local bee organizations and act as a liaison between the local groups and to the state association. Emphasis was placed on outreach within their areas and to hopefully act as a resource.

The Area Representatives are as follows:

Area # 1	- Open Position
Area # 1B	- Open Position
Area # 2	- Robert Smith
Area # 3UV	- Jim Bach
Area # 3LV	- Arlene Massey
Area # 4	- Dave Sabold
Area # 5	- Paul Hosticka
Area # 6	- Robert Arnold

Members at Large

A motion was made to have the Area #5 representative cover the Member at Large position that encompasses Area # 5.

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Annual Meeting minutes, continued

(Continued from page 8)

Motion/Second/Approved

Jerry Tate, WSBA President appointed Ted Swenson to replace Jim Miller as Eastern Washington Member at Large. Jerry also stated that he would recruit appointees for Area #1A and Area #1B and report back at the next executive board meeting.

Other Business

1. Section 18 requests

A motion was made for the WSBA President to write an application letter asking for Section 18 approval of Coumaphos for the purpose of controlling the hive beetle.

Motion/Second/Approved

Conference costs for WSU graduate students

A motion was made requesting that the cost of the Annual Conference for the WSU graduate students be paid by WSBA. This request is in the amount of \$1,267.00 and does not include room or meals not provided by the conference package.

Motion/Second/Approved

Announcement of Grants

Two Grant requests were made in the amount of \$1,000.00 each.

The first grant request is to support Judy Wu on her project to evaluate chemical residue in foundation wax and its potential impact on queen laying and brood development.

The second request is to provide transportation costs for Sam Hapke as he travels from WSU to Farm 5 located in Puyallup, WA. Sam's project is focusing on mite loads and colony health.

A motion was made to grant both requests at \$1,000.00 for each student in order to support their graduate study projects.

Motion/Second/Approved

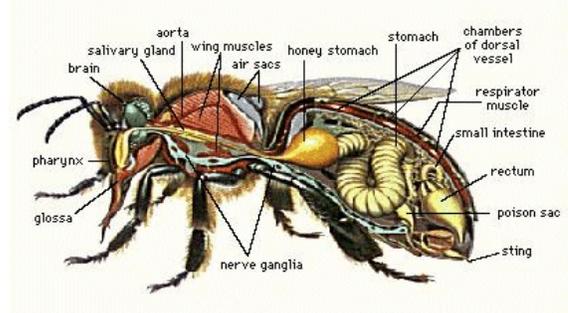
Meeting was adjourned at 5:48 pm.

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The convention, continued

(Continued from page 7)

Which were: higher growth rate and adaptability, MDI compensates for the honey bee's weak immunity, and enhances the queen's pheromone profile which intern stimulates a higher retinue response.

In regards to the recent imports of Australian bees in relation to CCD, "there are a lot of wild cards there", she said. "We need to rationally assess the risks", "stress is a huge factor in disease susceptibility".

Ms. Cobey spoke briefly about the benefits & controversies of biotechnology (genetic modification). The benefits: resistant, chemical free - the controversies: loss of diversity, loss of coexistence, loss of traceability.

She also mentioned cryo-preservation of sperm and eggs (something the cattle industry has been utilizing for decades). She said, "sperm quality is the issue". (Meaning, I think, that drone sperm quality suffers from refrigeration.)

Dr. Debbie Delaney, WSU Dept. of Entomology spoke next regarding the "founder event" that limited the historical diversity of the U.S. honeybee population. She explained that a "founder event" is any event that drastically reduces the genetic diversity of a selected population. In this case by only selecting certain limited stock for transport to the new world. She also addressed how the use of limited mating stock diversity along with the recent loss of feral honeybee colonies is also causing what she called a present day "bottle neck" or "founder event" by drastically limiting genetic diversity. Her discussion included a comparison and contrast between the southeastern (south) and southwestern (west) bee breeding states and how these two areas have two distinct breeding stocks.

Glenda Wooten, Wooten Golden Bees, California spoke regarding their Italian Queen rearing operation. Glenda and her husband, Shannon, bought the business from Glenda's father who founded the operation in the '40's. They use instrument insemination techniques and test regularly for disease, eliminating diseased stock when found. From some of the side bar comments they are not timid in using what Glenda called "the quality control pinch". She explained that when manipulating "brooder" hives, they and their workers are always on the lookout for inferior queens, when found they assassinate them.

Dr. Mike Burgett, OSU, Professor Emeritus presented the results of his Pacific NW Pollination Survey. Even though the information is vital review of past operations to enable planning of future activities, the results would seem as though one were listening to a dry data stream if it weren't for Dr. Burgett's delivery. To give you an idea of the delivery style, he said, "Varroa is the best thing that happened to commercial beekeeping"... "it took the [expletive meaning marginal] operators out of the business". While keeping our attention, he relayed an amazing amount of information concerning crops, timing, location and pricing. He stated that for the Pacific Northwest commercial beekeeper, "the most important crop, almonds, is not grow in the

(Continued on page 11)

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Queens, Bees, Honey & Pollination

The convention, continued

(Continued from page 10)

PNW". He explained that there are (were?) 550,00 acres available, it occurs at the most opportune time of the year, it pays the highest fee, it is in an advantageous geographic location to "escape winter", and it provides access to the queen market at the right time. His full report can be accessed through the USDA National Honey Report, and WSBA & OSBA web sites. Hard copies for members.

Bob Arnold, Deer Park, WA gave us a look at the "Life of a small commercial operator". His operation consists of 450 migratory colonies. He outlined his year starting in late summer / early fall with extracting, treating, feeding, and winter prep. He said "if you can't over-winter, you're in deep yogurt". The yearly cycle continued with almonds in the late winter where he makes splits. Then the spring when he makes further splits and medicates. Then ending with summer when moves his colonies to small yards of 10 to 50 colonies per yard. The bees at this time are feeding on alfalfa and various "wild flowers". He then described his facilities and equipment and summarized the investment and operating costs. He figures that for starting an operation the size of his, a beekeeper should expect to outlay in the range of \$75,000 and expect a minimum yearly operating cost of about \$60 per colony. This is slightly less than half of the average cost of \$138 / yr reported by Dr. Burgett.

Jim Bach WSDA, ret., discussed *Nosema Ceranae*, a recently discovered, virulent, close relative of *N. Apis* which has been known for years. He stated that no solid data is available relating *N. Ceranae* to CCD, only anecdotal evidence and that samples are being sent to Europe for evaluation. He riled against too much conjecture and speculation, saying, "we need factual data". He suggested obtaining Penn. State's publication "Honey Bee Parasites & Infestation". In addition he stated, "we diversity in observation". I took that to mean that we should all have our noses in the hives observing and further more we should all know what we're looking at.

Jim La Hatt

A Few Convention Photos



Having fun at the auction. Quite the hit!



Did it really snow!?.



And the views from the resort are always wonderful.



Sure is nice getting together.

Approved Scholarship applications

Integrated management of the honey bee parasite Varroa destructor in western Washington State, USA **Sam Hapke**

WSBA graduate student proposal

Varroa destructor, an ectoparasite of honey bees that reproduces on capped brood, was introduced into the United States in 1987. Today these mites continue to threaten domestic honey bee stocks and thus are detrimental to both the honey and pollination industries. Treatments, such as fluvalinate and coumaphos were initially effective in controlling the mites, but many mite populations have developed resistance to them. Using an integrated pest management approach, we will test the efficacy of a bio-rational pesticide, formic acid, as a natural replacement for coumaphos and fluvalinate. We will also examine the role of application timing and pest population monitoring in treatment efficacy.

Integrated management of Varroa destructor allows the parasites to be present in bee hives at levels below a threshold that causes significant harm to the bee populations. Although this strategy does not entirely eliminate the mites, it reduces the development of mite resistance and concurrently, allows beekeepers to assess mite tolerance in the honey bee population. Threshold levels will be estimated by a comparison of measured and seasonally varying attributes, such as brood area, population size and mite levels among a set of hives that have received differing treatment regimens. Threshold treatment levels have already been published for the southeastern United States and eastern Washington State. However, I propose to reassess the treatment threshold estimates in western WA, where the ocean and mountains buffer the air temperature year round and create a climate different from those in either the southeastern U.S. or eastern Washington State. We have already requested and received support for my assistantship position from the WA State Commission on Pesticide Registration in November 2006. However, my research requires a great deal of travel between Puyallup and Pullman to maintain the experiment and to take data throughout its course. Any assistance that WSBA can provide with the costs of my research will be greatly appreciated. I will report the results of my research to the WSBA at the 2008 WSBA annual conference. Thank you kindly for your time.

Budget

Research costs: primarily vehicle operation (fuel), lodging, misc. supplies \$1000.00

An examination of sublethal residual effects of Varroa destructor pesticides within the honey bee comb as a potential contributing factor to colony collapse disorder

Judy Y. Wu

Graduate student proposal for WSBA Grant

Since the late 1980's pesticides have been used by beekeepers in the U.S. to treat Varroa destructor parasitism on honey bees. The mites became increasingly resistance to registered pesticides such as Apistan and Coumophos and the currently unregistered Amitraz. Anecdotal evidence suggests that this resistance has led to unregistered application of approved and unapproved pesticides. Acute poisoning can kill the entire colony or cause losses of workers and obvious damage. However, sublethal effects can result in learning and memory impairment of honey bees, reduced longevity, early supersedure of queen or other effects that may not be readily evident. The purpose of this study is to examine the sublethal effects of Varroa destructor pesticide residues within brood combs on the overall health and development of honey bees and a potential contributing factor of colony collapse disorder, CCD. Awareness of sublethal residual effects may reduce the use of unregulated pesticides and contribute to healthier honey bee colonies.

My research will compare the growth and development of honey bees reared on two treatments: combs without pesticides and combs from suspected CCD cases sampled from operations that used mite control chemicals. I will use combs produced by colonies untreated with miticides as controls and collect combs from operations using various miticides as treatments. Combs from suspected cases of CCD have been sent to us from Jeff Pettis at the USDA-ARS Bee Research Lab, Beltsville, MD. Each comb will be analyzed for the presence and concentration of commonly used miticides. I will examine the mortality rate at each developmental stage from egg to the end of adult, and create a "life table" to assess and compare the vitality of honey bees within each treatment. This comparison will provide useful information for beekeepers and scientists interested in better understanding the effects of pesticides on honey bees and whether there is an association between pesticide load and CCD.

Currently this project is funded by the Thurber Endowment as directed by Dr. Steve Sheppard. However, my request to WSBA is for financial assistance to be used on comb analysis testing and materials. I will construct test combs in a duplex arrangement with one control block (WSU untreated combs) and one test block (CCD combs) lying side by side. I will also construct a queen cage to fit over the duplex, allowing her to lay eggs onto both blocks. I will use funds provided by WSBA to purchase items required to construct these combs and cages and to complete analysis testing. I am requesting a grant from WSBA to supplement a portion of these costs. I will report the results of my research to the WSBA at the 2008 WSBA annual conference. Any assistance that WSBA can provide will be greatly appreciated. Thank you for your time and consideration.

Budget:

Research costs: material cost for comb construction, cage construction, adult longevity tests, chemical analysis. \$1,000

A quick note from your outgoing Treasurer

First of all, I want to express my gratitude and appreciation to everyone who helped make the 2007 convention a big success: David Sabold (it would not have happened without you), Jo Miller, Jody Lynn Pilarski, Polly MacLean, Cathy Duran, Russell Deptuch, and Jerry Tate.

Now these are just the people I know of who pulled off this great convention. I know there are others who contributed, but as you know I wasn't there....(somewhere tropical), so please forgive me if I omitted your name.



Secondly, the transition to our new Treasurer, Paul Hosticka, is underway. There will be new contact information in the next newsletter and at www.wasba.org so you will know where to send your dues payments!

Thank you everyone, and I wish you all a wonderful holiday season.

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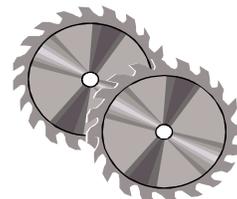
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