

The Monthly Extractor

Our goal is to increase interest in and knowledge of bees and beekeeping for the hobby and commercial beekeeper, and to educate the general public in the value of bees.

Monthly Meetings- Held at 6th and Wilson (New College) in Santa Rosa January 8- General Meeting – talk about Early California Beekeeping 1850 - 1870

From Your President

I am delighted to be your president once again. We are starting 2007 with a great, enthusiastic board. The other board members and I hope you will get lots of help from us but we also want you to be willing to pitch in from time to time.

There are lots of things you beekeepers can do to help this be the greatest organization ever. You can share your knowledge of bees at our meetings and at the various public events throughout the year. You can ask questions at all the meetings. Remember there is no such thing as a dumb question! You can bring plants, cuttings and seeds to share at the plant table we hope to have at each meeting. You can tell the librarian about new, interesting beekeeping books and videos you hear about. Hey, for that matter, you can even volunteer to be our new librarian since right now your second V.P. is still the librarian too. You can volunteer to bring snacks to be served at our coffee/tea break which we plan to have every meeting. You can donate a jar of honey to the New College to help pay our rent. (Did you know the rental agreement was \$50 a month plus a quart of honey?)

The goals for this year include an interesting meeting every month and some hands on events looking at beehives and building equipment. We want to serve all the new beekeepers and expand the knowledge of the seasoned ones. Our mentor program is alive and well. There are several of us who are willing to go to your apiary and help you work your bees. If you are concerned about the health of your hive, this is especially important. We want to promote good, healthy bees in our area. If in doubt, give us a shout! (I just thought of that slogan. Pretty good, eh?)

November Board Meeting Held Dec. 4, 2006

Minutes by Ettamarie Peterson for Sean Straw, Sec.

Attending: Kathy Cox, Pres., Sean Straw, Sec.; Donna Nelson, Treas.; Fred Nelson, guest; Katia Vincent V.P.; Doug Vincent, guest; Michael Johnson, Librarian; Ettamarie Peterson, Editor. Meeting called to order by Kathy Cox at 7:45.

Main order of business was the signing of the By-Laws for the organization. This was done to everyone's joy!

A short discussion was held to discuss possible reasons for smaller than usual turnout at the November Pot-Luck. No conclusions could be made.

Donna Nelson presented the Treasurer's report.

Summary: \$2117.72 was in the checking account at the end of 2005 and now there is \$2623.50 at the end of 2006.

Plans for next year include reinstating coffee/tea break with volunteers bringing treats and having a plant table for exchanging bee-friendly plants. This means we will be recruiting a plant chairman and a treat chairman. (April Lance has

volunteered to work the plant table with help from Marilyn Fujiyoshi.)

Plan for December's meeting to be our annual gadget night with the refreshment break courtesy of the board members.

Fred Nelson reported hearing this winter may be a possible El Niño year meaning we could be in for a very wet winter.

Ettamarie reported that the Sonoma County Ag Advisor's office wants to know of any small hive beetles found.

SCBA General Meeting 2006-12-11

7:15pm, Meeting called to order by Kathy Cox

Attendance: 34 people

Q&A

Q: Correlation of # mites to point you should start to worry about hive condition.

A: (Serge): You may see some deformed wings, especially going into January. The reason is many mites per bee. The peak mite population is generally in October or so.

Q: Small colony - 3,000 bees or so. What is the best way to handle it through the winter?

A: Move it to a smaller hive body (like a nuc), or use follower boards. (Sean): if you have other hives, consider combining these bees with one (use mint tea sprayed newspaper barrier method), and if the colony is strong in spring, you might choose to divide it then, which will restore your colony count. (Hans): stack the complete hive on top of another. Use 4x6x12 on each side, & tape around, with a thin plywood sheet on top. Ettamarie called for ballot submissions, which are being collected at the meeting. They may also be mailed, in the addressed envelope provided in the newsletter with the ballot form.

Member comments:

Bill McCluskey - beekeeper in Sebastopol for 1.5 years. Commented on the letters to the editor in recent newsletters. Would like to see the organization address the issues raised.

Ettamarie explained Angelo's meat grinder accident and reported on his condition. You can email him words of encouragement at moregarlic@aol.com Don Marshall is a retired chemistry professor. He plans to write an article for the next newsletter assuring people that, contrary to some recent musings, honey does indeed crystallize.

Tonight is Gadget Night.

Barbara Schlumberger demonstrated how she has used plastic weed-whacker string in place of metal wire for frame wiring (but doesn't use foundation). She's placed three or four of these frames in each of her established hives. She reports that a biodynamics course she took advised to strip the wax from the frames each year.

Hans commented that letting the bees construct their own comb within the frame will lead to more drone sized cells, which in turn can lead to more varroa mites in the colony.

Harley Crawford demonstrated a hook he made for his smoker so that he can hang it on the side of an open hive. It's a bent piece of metal like an inverted fishhook (but large, and with no barb) with a couple of holes drilled into its long side, which are used to either rivet or bolt it onto the smoker. He has a cast aluminum frame puller with flat pads, which would contact the sides of the top of a frame. On this, he's drilled & tapped holes into grabber pads, then threaded sharpened bolts (ground with a grinder or file) into pads, facing inwards. These provide really good grip. He also showed his swarm catching box, which is at Beekind and available for members' use. Next, he demonstrated his smoker roller tool (also available for members to borrow at Beekind). He makes the cardboard strips 4" wide, pounds the first 4-5" of cardboard flat. Keep hand on the roll at all times, or it'll uncoil on you -- it needs to be tight. Hand rolled, he can take 6' strip of cardboard into a roll, which weights 4.5 ounces. Using the machine, he can get 10' of cardboard rolled into the same size roll, which weights 6.5 ounces, and smokes longer.

Ettamarie reports that someone checked out the smoker roller from her barn, but the name wasn't recorded - if it was YOU, please return it!

Ettamarie uses a handful of shredded paper at the bottom of the smoker to start it easier. Sean reports that the less secure "strip" type shredders (versus the secure "crosscut" type which makes small confetti) are better if you plan to burn the paper. Ettamarie puts a stopper in the top of the smoker and puts it in a metal bucket between uses. Harley uses newspaper wadded tight - he calls them "snowballs". Alternately, cut small triangles of cardboard and dip them about 1/2 way into cast off wax. These make great starters. Keep the smoker fuel sealed in plastic bags to keep them dry. The cardboard MUST be corrugated type (if you look at it on edge, you can see holes in it), not the pressboard stuff, which will fail to breathe.

Tom Fujioishi started bees this year. Based on Harley's demonstration of doweled frames a few months ago, he made jigs for drilling the necessary holes into the top and bottom frames. The jig has holes that align the mark for drilling. Use a 3/16" dowel and cut it to 6 1/4" (for medium frames) so that it doesn't stick out the top. If you're converting assembled frames, drill the lower holes slightly oversized to allow for assembly. He uses a jeweler's torch to melt wax foundation starters to insert into top groove.

Ettamarie Peterson reported on a pest control method she saw in her recent trip to the UK: fill a wine bottle half full of sugar water positioned away from the hive apparently works quite well to attract yellowjackets and trap them. Use a large (new) shoelace as a wick for drawing sugar water out of a 2-litre bottle or plastic apple juice container laid on its side in a medium super above the colony. Place an inner cover under the bottle, and

have a small hole in the top-facing side of the bottle with the lace passed in, running the lace through the opening in the inner cover, so that the bees can consume the syrup. This works on capillary action - the same thing that allows a kerosene lamp to work.

Dishwashing gloves are inexpensive beekeeping gloves - you have more freedom of movement in them, and if you're stung, the stinger stays in the plastic glove. You can economically change gloves between hives if you're concerned about passing diseases between them. Wear gloves that are just the right size for your hands for the best sense of touch and handling.

Bill - uses a grease gun/caulk gun available at McPhails for about \$35 for applying vegetable shortening.

We took a break at 8:30, for refreshments.

Lawrence Mortensen uses (triangular section) corner molding to provide rests for hive bodies to reduce squishing of bees. Sean commented that if the hives were on a level plane, you could use round dowel, which would decrease the tendency to stick to the propolis.

Geoffrey Whitford, who works for Allegra Printing, has access to aluminum sheet used in some print jobs (of which there are sometimes prep runs), and can re-use these to form awnings above the hive entrances.

Serge places wax paper on the surface of extracted honey after it has rested in a pail, then when he lifts it, the surface foam comes off on to it.

Glen Murphy showed a hive closure available from Better Bee for US\$1.75. Allows you to expand and contract the opening using steel mesh (so bees don't suffocate). Uses a pushpin or two to hold it in place when moving a hive.

Board meeting announced for 18 December at 6:30pm at Ettamarie Peterson's home. The ballots will be opened and tabulated at that meeting.

Leonard Riepenhoff is interested in collecting hive statistics - number of hives, output, failures, etc.

Sean outlined the joining procedure for the sonomabees discussion list at yahoo groups (this information is also on the association website). He then asked about Topic Suggestions from the membership. Apiary Crawl, Hands-on demos at starts of meetings, and various members mentioned 4-H presentations. Miscellaneous announcements:

The association is updating the Bee Book.

Silver pie server was lost as the potluck. If you ended up with this, please bring it to a meeting.

2006-12-18 SCBA Board Meeting

Held at Ettamarie Peterson's home in Petaluma
Agenda: Bill McCluskey, Ballot Counting, January Speaker/Topic, Cherilyn as Hostess Chairperson, membership Cards, Silent Auction, Workshops
7:50 meeting called to order after the meal

In attendance: Ettamarie Peterson & Ray, Sean Straw, Kathy Cox, Donna & Fred Nelson, Kathy Kellison, Geoffrey & Jackie Whitford, Michael Johnson (late arrival)

Ettamarie submitted mailing expenses to Donna.

Treasurer's Report - summary: membership renewals minus newsletter printing costs and some other expenses, the balance is up by 312.22 this month.

Ballots. Jackie & Geoffrey handled tabulation of the ballots. 43 total: 21 were handed in at the general meeting, 22 mailed. Two of the ballots had no candidates marked off.

Final Vote Count Results:

Ettamarie for President: 41 votes

Sean Straw for VP1: 37 votes

Michael Johnson for VP2: 38 votes

Donna Nelson for Treasurer: 40 votes

Kathy Kellison for Secretary: 41 votes

Glen Murphy for VP1 (as write-in): 1 vote

The ballots tab sheet was signed and annotated by Geoffrey and Jackie, and stored with the ballots.

The following appointed positions need filling: Librarian - Michael Johnson says he'll continue as Librarian if there are no volunteers. Linda Bodwin's name was offered as a suggestion.

Historian - Jackie Whitford is continuing in this capacity.

Refreshments - Sharilyn Bunce was suggested. Horticulture (Plant table) - April Lance was suggested.

Sean to update email addresses on web server to associate with 2007 office holders.

Refreshments: Coffee, Teabags, Cocoa, Apple Cider, Cookies, cut cake.

Door prize? A single prize given out towards the end of the meeting for attendees. Not a raffle. Might help spur attendance. Free Workshop/materials might be a good one.

Meeting Topics: Winter Management I Top Bar Hives, Package Installation, 4H Presentation (4H Beekeeper group is primarily from Petaluma), Swarm Handling / Extraction, Hive Division (Serge), Mead Making/Honey wine (Byron Birch / Frank DeCoite) Gardening / Bee-Friendly Plants / Pollination, Biodynamic Beekeeping, Packaging / Marketing, Extractor Night, Dr. Eric Mussen, Honey Tasting, Potluck Dinner /Nominations / Auction, Gadget Night

Workshops: Apiary Crawl followed by a picnic lunch, Fabrication: Screened Bottom Boards, Observation Hives, Follower Boards (trivial), Pollen Traps (Bob Burris / Scott Nelson), Top Feeders, WAX (Candles, balms, etc).

Other Projects: Bee friendly plant sponsorship for community planters/medians, etc., Community Gardens

PUBLICITY:

KRCB has "Community Calendar" on their website as well as periodic display on television -- we could use that to get the word out on meetings, as well as swarm info.

Radio, TV, newspaper - actively look to get the association mentioned, to let the public know about resources for backyard beekeepers, and to educate people about bees vs. flying pests (bees aren't wasps/yellowjackets).

Mentoring

Ettamarie Peterson (Petaluma)

Kathy Cox (Sebastopol)

Hans Schrader (Healdsburg)

Frank & Donna Nelson (Santa Rosa)

Bill McCluskey - as per general meeting, wanted some resolution and information on the disputes that were outlined in various letters to the editor. Basically, the disputes stem around some members importing bees from other locales for populating their hives. The association is about EDUCATING our members and the public, not about REGULATING them.

Department of Agriculture may want to insert a flyer into the newsletter for collecting information about honey harvest and pollination. Contact at their office had indicated that if we didn't want to provide our mailing list to them (we don't), then they would be willing to pay to offset the printing and postage cost if we were to mail it.

Poster locations: Harmony Farms (Sebastopol) - Kathy Cox can place, Four Corners Feed (RP/Santa Rosa), Coddington Public Library (Santa Rosa) - Whitfords can place, Western Farm (Santa Rosa), need suggestion for east county. Meeting disbanded informally around 9:30 pm.

What's In Bloom?

Borage, calendula and some eucalyptus are about all we see this month.

Thoughts on Promoting the Best Bees for Our Area

By Serge Labesque

Over two years ago, the small Belgian town of Chimay passed an ordinance that prohibits the introduction of any bees other than those of the local race, *Apis mellifera mellifera*, into the 200 square kilometer territory placed under its jurisdiction. Considering the importance of biodiversity in the equilibrium of our global ecosystem, the goal of this resolution is to protect the area's bee genetic material.

Since then, queen bees and colonies of other races can no longer be imported, kept, or staged in Chimay's territory. They cannot even be transported through it. But this inconvenience to beekeepers is largely outweighed by numerous benefits. These include the protection the local bees are gaining from the irreversible introduction of different genetic materials and foreign pests and diseases. Also, a bee breeding station for *A. m. m.* and a beekeeping school have been created in Chimay

The local beekeepers understood the importance of this decision and unanimously embraced it. Moreover, many neighboring beekeepers decided to join in and asked that the Chimay ordinance be widened to their areas.

To bring this into perspective, a local equivalent could be the town of Sebastopol or Petaluma, for example, and all the surrounding area within a five-mile radius, banning the introduction of *any* bees. Not much in the grand scheme of Nature, you may think.

But wouldn't this in fact be great? Somebody has to take the first step in the right direction for others to follow, just as they did in Chimay.

Note also that the Rio de Janeiro Convention on Biodiversity, as well as the European Union, strongly encourages the creation of *in situ* areas of protection of wild and domesticated genetic materials from "genetic erosion". To learn more about Chimay, visit www.mellifica.be (there is a version in English).

At this time of the year, when wishes are formulated and New Year's resolutions are made, my wish is for all of us to realize the value of our local bees, and how destabilizing and damaging it is to them when we introduce new strains in our apiaries, not to mention new pathogens of all sorts, particularly when hundreds or thousands of queens come from a few producers. I wish that we all could become *real* beekeepers. This means *stewards of the species*, not "bee haver", "bee handlers" or "bee users". In view of the Chimay story, it is evident that we, as beekeepers, *can* play an instrumental role in our environment by taking conscious and diligent care of our honey bees. We can even start at the individual level by devoting some of the time we give to our hives to their propagation, instead of importing other bees from beyond the borders of our counties or local areas. By doing this, we can also avoid depending on non-local producers and we become a little more self-sufficient as beekeepers. All of us can and should do this, whether we are beginners or experienced, hobbyists or professionals. This may easily be done by anyone if only through the simple division of our good hives. I ask you to please think about this idea, and plan your hive management for this new beekeeping season around it. I welcome your comments and thoughts on all of this. We will all benefit from this New Year's resolution, bees and beekeepers alike.

My January Beekeeping To-Do List

By Serge Labesque© 2006

In the bee yards:

As the days become longer in January, our queens resume and increase their egg production. We may tiptoe into our hives on nice calm days, for some very short inspections. Do the bees have access to their stores? Do the brood chambers need to be reversed? Let's take a quick look, being careful not to chill or stress our bees. As always, remember that hive inspections are not just to satisfy our curiosity. At this season, more than at any other time of the year there must be a valid reason to open a hive. Any interaction with our bees has to be beneficial to them, definitely enough so to compensate for any harm we may do.

In some apiaries, it is time to place supers to provide space to store the nectar from eucalyptus trees, manzanitas, and other early blooming plants.

- Continue performing winter-style tours of the apiaries.
- Perform exterior inspections of hives.

- Occasionally lift the back of the hives to feel their weight.
- Place your ear on the side of the hives to gauge the level and type of activity inside (a soft, gentle hum, with light clicking sounds are good news).
- Verify that hive tops are properly set.
- Verify that the hive entrances remain unobstructed.
- Observe monitoring trays: Verify that the clusters remain centered in their hives so the bees can retain access to their stores.
- Watch for the appearance and amount of drone brood cappings.
- Perform rapid open hive inspections, only as weather allows, during the second half of the month, to confirm the location of the brood nests and their access to stores.
- Place honey supers with follower boards and a few frames of drawn comb, where warranted by local nectar flows (make sure the supers and frames are not too cold).

At home:

- Prepare and build new equipment.
- Repair and maintain older equipment and tools.
- Prepare for the upcoming beekeeping classes at Santa Rosa Junior College.

We wish you and your bees great health and sweet rewards during this New Year.

Trees to Plant for Nectar and/or Pollen This Spring

At this time of the year, many nurseries and garden centers have bare-root trees for sale. Here are some suggestions if you are thinking about buying new trees: Apples and crabapples (*Malus* spp.), Black locust (*Robinia pseudoacacia*) *editors note on this-this is a great tree but is invasive so plant where you don't mind its coming up along the roots*, Catalpas (*Catalpa* spp.) *editor's note-I may be bringing in volunteers for our plant exchange table as I did last year*, cherries, peaches, plums (*Prunus* spp.), cottonwood (*Populus deltoids*), elms, hazelnuts (*Corylus* spp.), Maples (*Acer* spp.) *editors note-Momiji is a huge maple tree nursery at 2765 Stony Point Rd., Santa Rosa. See the Farm Trails Guide*, Oaks (*Quercus* spp.), persimmons (*Diospyros* spp.) *editor's note- my favorite is the giant Fuyo that you eat like an apple*, redbuds (*Cercis* spp.) sycamores (*Platanus* spp.) tulip poplar (*Liriodendron tulipifera*), willows (*Salix* spp).

Plant Table to Be at Each Meeting

At the December meeting April Lance, a Sonoma County Master Gardener discovered that Marilyn Fujiyoshi was a Master Gardener in another state before moving to this county. Both ladies are very excited about SCBA's establishing a plant table to encourage members to plant bee friendly gardens. The idea is that any of us can bring cuttings, plants, or seeds to the meetings and for a small donation (\$1 was suggested) to the association others can take them home.

If you bring anything to donate to this plant exchange table, please prepare a little information about them including the name and bloom time of the plant and anything else that would help someone grow it. If you are not too sure about it, ask April or Marilyn to share their expertise. If they don't know, they will know how to research it.

April is making up a list of bee friendly plants that are suitable for our climate. She took home the old binder of pressed plants members made years ago.

Serge Labesque's Beekeeping Classes Schedule

Introduction to Beekeeping Sect: 9094

Wed. February 14-March 7, 6:30 PM-9:00 PM

2707 Maggini Hall, Santa Rosa Campus

Fee: \$67.00 (includes \$5.00 of materials)

4-session class.

Intermediate Beekeeping for spring and summer

Sect: 9093

Wed. March 21-28, 6:30 PM-9:00 PM

2707 Maggini Hall, Santa Rosa Campus

Fee: \$45.00

2-session class.

SRJC web site:

<https://busapp02.santarosa.edu/CommunityEducation>

or

Call (707) 527-4824

Reminder to those who want to purchase ad space that the business card size ad is \$5, the 1/4 ad is \$10, and the 1/2 page ad is \$20. Classified ads are free to members.

Member Ad Space

(Free ad space to all dues payers)

Frank Bardella is selling very nice deep hives with queens that were born July 2006. These are gentle bees. Please call 823-8385

April Lance and Linda Clary have a lovingly cared for 'up and running' healthy beehive with bees that can be delivered to your location. Please call us! Fine, established, producing, very

clean and healthy, well cared for bees and hive components for sale. Hives have been requeened with beautiful 2006 queens this year. No pesticides ever used. Bees from 80 dollars --- then you select any hive parts you wish to incorporate (bottom boards, deep and honey supers, additional bees, inner cover, lids and more, or you provide your own ---- all at very reasonable prices to get you started. Simple or elaborate. We will also have nucs for sale in the spring of 2007. Please Call 707-431-1569

Kathy Cox and Scott Nelson:

PACKAGE BEES - 3 & 4-POUND PACKAGES, \$65.00 & \$80.00, includes a free class on installing package bees. Available in April. Pay on ordering.

SALE: 5 Frame Nucs, \$125. '07 queen, her bees and brood, with honey and pollen. 5 frame exchange. Price includes a free class at Wine Country Honey. Deposit of \$60 is required.

For Sale: Whole hives, \$250. '07 queen, her bees and brood, with honey and pollen. Price includes a free class at Wine Country Honey. Deposit of \$125 is required.

For Sale: Queens. \$20. Available May '07. Full amount due when ordering.

Apprenticeship Opportunity. Call to spend a day or a week apprenticing with Wine Country Honey beekeepers.

Wine Country Honey, 4979 Occidental RD, Santa Rosa, CA 95401. 707-578-0797. www.winecountryhoney.com

Serge Labesque 70-plus wax-coated plastic medium frames available for a \$20 (or higher) donation to the SCBA.

Contact Serge at 996-3149 if nobody wants them, they will go to the plastic recycling center.

Bob Burris – Front mount pollen traps-used \$10 each, about 600 available. This is a trap designed by Peter Heuter, an old beekeeper the long time members knew years ago. Call Bob at 707-894-2829

Did you know that our county recycling center has a web site to help people exchange goods? Look at www.recyclenow.org/sonomax next time you need paint, wood, and double pane windows for making a solar wax melter.

Honey and Crystallization II

By Dr. Donald Marshall, Professor Emeritus of Chemistry, Sonoma State University

In the last month's issue of *The Monthly Extractor* an article stated that honey does not crystallize, it solidifies instead. Crystals can and do form in honey.

There are many different kinds of crystals. The units at the lattice point of a crystal need not only be atoms. In addition, they can be molecules or ions.

It was stated that sugar cubes aren't crystals. Sucrose or ordinary table sugar definitely forms crystals, a fact found in many General Chemistry textbooks. Sugar cubes are just crystals of sucrose stuck together. Even some proteins whose molecules are much, much larger than sucrose can crystallize.

Bees use an enzyme called invertase to break down the sucrose in nectar to the two simple sugars glucose and fructose that are the main components in honey. Both glucose and fructose form crystals, which can be verified in the CRC Handbook.

The following is a table of the different kinds of crystals:

Type of solid	Form of Unit Particles	Forces Between Particles	Examples
Molecular	Atoms or Molecules	London dispersion/ dipole-dipole/ hydrogen bonds	Ice, Dry Ice, Argon, sucrose
Covalent Network	Atoms connected in a network of covalent bonds	Covalent bonds	Diamonds, graphite
Ionic	Positive and negative ions	Ionic or electrostatic attractions	Sodium chloride, calcium fluoride
Metallic	Atoms	Metallic bonds	All metallic elements, brass

Bee Trivia

Honey bees have an excellent sense of time. Many plants do not produce nectar all day long but only at certain times, such as in the morning or afternoon. They know when to go to the source of food so do not waste time on unnecessary collecting flights. You can test this by putting out food at the same time each day.

January Recipes

Honey and Spice Butternut Squash Soup

National Honey Board

(This is another large recipe so use your big soup kettle. You may also use pumpkin or other winter squash instead of butternut.)

2 Lbs. onions, chopped

2 oz. (1/4 C.) unsalted butter

6 large cloves garlic

6 Lbs. butternut squash, cooked, cubed

2 quarts + 1 C. chicken or vegetable stock

1 Tbsp. ground cumin

2 tsp. salt

1/8 tsp. cayenne pepper

2 C. heavy cream (may substitute milk)

1 1/2 C. honey

3/4 C. sour cream

2 Tbsp. chopped, fresh cilantro

Sauté onion in butter until soft, about 10 minutes. Stir in garlic and squash. Stir in stock, cumin, salt, and cayenne pepper. Simmer until squash is very soft. Puree. Stir in cream and honey.

Garnish each bowl of soup with a dollop of sour cream and 1/2 tsp cilantro.

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Sweet Orange Slaw

Raley's – Bel Air's "Something Extra" Winter 2006

1 (16 oz. pkg. coleslaw (shredded cabbage)

1 medium navel orange, peeled and fruit chopped

1/2 C. orange flavored dried cranberries

2/3 C. light mayonnaise

1/4 C. honey

1 Tbsp cider vinegar

1 Tbsp. orange juice concentrate

1/2 tsp. salt

Freshly ground pepper to taste

Combine cabbage, orange and cranberries in a large bowl. Whisk together remaining ingredients and pour over salad; toss well to coat.

Makes 8 servings.

Apimondia 2007 Will Be in Australia

Next September 9th to the 14th will be the world conference for beekeepers in Melbourne, Australia. For all the details, go to <http://www.apimondia2007melbourne.com/>. There will be exciting pre- and post- tours too! I plan on going to the Tasmania pre-tour. Ettamarie Peterson

I Learned About Beekeeping From This

By Ettamarie Peterson

Before you know it we will be called out for catching swarms again. I remember one swarm that had gone into a water meter box in a sidewalk. I spent over an hour trying to get the bees up out of the concrete box. Finally I remembered I had some old comb in the back of the van. I lowered the frame with the old comb into the box and those little bees just climbed right on to it. That was incredibly easy. I just popped the comb into the portable swarm catching box and took them home.

Now I always keep old comb in my swarm boxes. Sometimes all I have to do is open the entrance to the portable swarm box which is the size of a nuc but made of cardboard and they walk right in! Keep this in mind when you go out on those swarm calls.

Now is a good time to be ordering or making swarm catching boxes. Remember what you saw at Gadget Night or check the various catalogues.

SCBA Executive Board 2007

Pres. Ettamarie Peterson
president@sonomabees.org 707-765-4582
Past Pres. Kathy Cox
pastpresident@sonomabees.org 707-823-2804
Vice Pres. - Sean Straw
vicepresident@sonomabees.org
1-415-342-2833
Secretary –Kathy Kellison -
secretary@sonomabees.org 707-526-3369
Treasurer Donna Nelson
treasurer@sonomabees.org 707- 575-9761
Librarian – Michael Johnson
librarian@sonomabees.org 707-789-0900
Reps. at Large Hector Alvarez 707- 579-9416
Serge Labesque nonprofit@sonomabees.org 707-996-3149
Historian –Jackie Whitford 707-526-1029
geofwhitford@yahoo.com
Editor Ettamarie Peterson –
editor@sonomabees.org 765-4582
Swarm Chairperson- Sean Straw
swarms@sonomabees.org
Extractor Tech- Call Ettamarie 765-4582 or Spring
Maxfield 527-5913

Regular monthly meetings of the Sonoma County Beekeepers' Association are held on the second Monday of each month, at 7 pm. The meetings cover a wide range of topics of interest to beekeepers. Everyone wanting to learn about honey bees is cordially invited to attend. You do not need to be a member nor a beekeeper to attend these meetings. Please contact the treasurer to pay dues.



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Visit them to find many bee supplies and your other animals' feed and supplies.

Larry and Lou Bertolini, Owners and Sponsors of our Day Under the Oaks Display.

The Monthly Extractor
 Sonoma County Beekeepers' Assoc.
 P.O. Box 98
 Santa Rosa, CA 95402-0098

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6	Bee Trivia Recipes for January Apimondia I Learned About Beekeeping From This
7	SCBA Executive Board Ads

Meetings are normally held the second Monday of each month at New College, 6th and Wilson in Santa Rosa, CA.

⇒ Don't forget to send or bring in your \$25 fee to renew! We value your membership! ⇐

