MISSOURI STATE BEEKEEPERS ASSOCIATION

Volume 30
No. 2

Spring 1992

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1-87 Agriculture Bldg. University of MO Columbia, MO 65211 (314)882-3748
PRESIDENT'S MESSAGE

What a great meeting we had at Columbia on March 14. The workshops were fantastic. The speaker, Bob Dye, did a great job and we had the largest attendance of any meeting I have ever been to. The treasurer tells me we had 130 members registered.

I would like to thank everyone who put on the workshops. Charles Wills making equipment and gadgets, preparation of gourmet honey by Sharon Gibbons, Roger Stark on insurance, Gene Kaufman on making hive equipment, Rolla Chandler the skep maker, Mike Allen telling about the bee certification plan, and Joe Francka on the bee mites. Oh! I almost forgot Jean Naslund, a physical therapist from Jefferson City and the young ladies that came with her to help teach us about lifting and taking care of our backs.

I would also like to thank Larry Hensley for all the work that he put in to make the meeting run smoothly. Also, thanks to his helpers at the door, Mike and Nellie Allen and Micky Lee and let's not forget Ron Vivian selling cookbooks and taking in the money.

The library will be getting some new tapes to loan to the associations around the state. Please take advantage of your library. There are lots of slide presentations and new video tapes. If you would like a list of slides or tapes, call John Hartman and he will get you an updated list or check for information in the newsletter. (John Hartman, Rt. 5 Box 714, 3353 Frog Hollow Rd, Jefferson City, MO 65109)

I have seen a list of speakers that plan to attend the Missouri-Kansas Joint Meeting in October. Wow! Listen to this...Troy Fore, Larry Connor, Kim Flottum, Dr. Orley (Chip) Taylor. What a lineup. Our meeting will be Saturday, October 10. The Kansas Honey Producers have a two day meeting and all speakers will speak on Friday, and Saturday is the workshop. All Missouri members are invited to the Friday meeting, too. Please plan to attend this as you will not want to miss it. The state association is trying to get everyone to get a Missouri Beekeepers Association name tag so you can have it for the joint meeting. It is a real nice badge shaped like the state of Missouri with your name on it. Look for ordering information elsewhere in this newsletter.

Also, we, the Missouri Beekeepers Association are going to sponsor a Honey Queen Program. Joe Yungwirth has volunteered to be the Honey Queen Chairperson and Francis Scheidegger and Charles Schwartz will help on the committee. Anyone having any queen candidates to submit or any ideas that would help us please contact Joe, the committee members, or me.

Our Vice President, Glenn Staggs, has resigned. Sharon Gibbons was nominated and approved by the membership to take his place as Vice President. Joe Yungwirth was nominated and approved to take Sharon's place as one year Board Member.

Need to go work my bees. Hope you have a good honey year. Hope to see you at the State Fair or the October meeting.

Glenn
Are You Ready for This Years Honey Crop?

**Stainless Steel Honey Extractors**

**Junior Bench Extractor**—Stainless steel hand powered. Capacity: 2 frames 10½" deep maximum per load. SS extracting basket and new SS top assembly. Drum style continuously hinged lid. Easily converts to 175-lb storage container. Frames must be removed and turned to extract both sides. 1½" plastic honey gate included. Tank: 304 SS, 14" dia. x 23½" ht. All extractors should be anchored when in use. We recommend M00391 stainless steel stand (sold separately).

**Little Wonder Extractors**—Top quality tangential extractors. Extract 4 - 9½" frames or shallow frames per load. All welded tank of food grade stainless steel houses the stainless basket. Frames must be turned to extract both sides. Turn shallow frames within basket; deep frames must be lifted out for reversal. Hand models are gear driven by quiet, durable nylon gears. Power models employ a direct drive motor with an electronic speed control which is manually adjusted. 110 volt operation. All internal components slip out easily to convert into a 300-lb storage unit. Comes complete with 1½" gate. Tank: 304 SS, 18" dia. x 24" ht. Stand sold separately.

**The Small Honey Producers Dream — A Great Value!**

**Plain 10" (254mm) Knife**—for smaller operators with only a small amount of uncapping to do. Keep one in pan of hot water while pre-heated knife is being used. Each, wt. 2 lbs (0.91 kg).

**Electric-Knives**—just plug them in and you are ready to start uncapping. High quality blade is 10" (254mm) long by 2" (51mm) wide. Guaranteed for one year by manufacturer, with adjustments made direct with the factory.

**Stainless Steel Tanks**—Heavy duty, all welded, type 304 food grade stainless steel construction. Custom welded fittings and/or custom tanks available on request.

**Strainer Screens**—Aluminum screens hook over tank rim and rest inside tank.

The LIQUIDATOR — 4 units in 1

- Uncapping/Cappings Drain Tank
- 1-Can Liquefier (60# Containers)
- Wax Melter
- 175# Bottling Tank

The LIQUIDATOR and an extractor are the only equipment necessary to process and package your entire honey and wax crop. The LIQUIDATOR, a great companion for your Junior Bench, Little Wonder, or Ranger extractor was developed specifically for hobbyist beekeepers. Save time, labor, and mess with the LIQUIDATOR.

DADANT & SONS, INC., HAMILTON, IL 62341-1399 • Ph. 217/847-3324 Fax # 217/847-3660
HONEY BEE CERTIFICATION PLAN
Glenn Davis

Last October, I was elected President of the Missouri State Beekeepers. Soon after taking over the office, I financed my own trip to St. Louis to find out about this USDA-NASDA Model Certification Plan. From the information I received at the workshop, I have determined that Missouri needs a plan like this to control Africanized Bees. If everyone would read the plan and understand it, I am sure they would agree.

The members at the meeting that opposed the plan, would not have opposed it if they had first read and fully understood it. There is nothing in the plan which would restrict your beekeeping. In fact, when Africanized Honey Bees arrive, this plan will help you. It will help all beekeepers.

The plan has been recommended by the American Beekeeping Federation, the American Honey Producers Association, and in the March Speedy Bee it is stated that Texas has adopted the AHB Certification Program. The Missouri State Beekeepers Board of Directors have met two times on this subject. A committee was appointed consisting of George Vanardsall, Neal Bergman, and me. We agreed that we need a plan like this. We will have a revised version in October. I hope you all will read and try to understand this plan. Missouri Beekeepers need your "yes" vote in October.

Remember if we don't adopt some sort of plan on our own, the lawmakers will be forced to do it for us. When this happens, we may not be able to live with the plan that they come up with; after all, they are not beekeepers and they won't understand our position.

MO BEEKEEPER NAME BADGE

HEY! Who are you? Now you can show them not only who you are, but what you are. Mickey Lee has made arrangements with an engraver to make badges for us. They are in the shape of our great state, gold in color, with a metal bee attached near the center. Across the top is engraved Missouri Beekeeper, and underneath, your name.

These badges can be purchased through Micky Lee or direct from the engraver. Either way, the cost is $4.00 each. Micky will save you the cost of postage and handling, but you will have to wait until the next meeting to get it. Micky Lee's address: 9637 Ridge Ave., Overland, MO 63114.

Understandably, if you can't wait, direct order from:
D & B Engravers
184 Brigadoon
St. Louis, MO 63137

You must add $1.50 for one to six badges. If you want more than six, for instance, if you were ordering for your local club or were a very enthusiastic beekeeper, I assume you would add $1.50 for each 1-6 badges.

Example:

5 Badges X 4.00 = $20.00
pstg/hndlg + 1.50
Total $21.50

7 Badges X 4.00 = $28.00
pstg/hndlg + 3.00
Total $31.00

15 Badges X 4.00 = $60.00
pstg/hndlg + 4.50
Total $64.50

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The meeting was called to order by President Glenn Davis at 3:40 p.m..

The minutes of the previous general meeting were read by Secretary Jim Thaxter. Roger Nichols made a motion to accept the minutes as read, seconded by Jim Westrich. Motion passed.

Ron Vivian presented the Treasurer's report which showed a current balance of $1,573.43. Joe Yungwirth made a motion to accept the Treasurer's report, seconded by Carol Kjelshus.

OLD BUSINESS

Melissa Ostermeyer and Sharon Gibbons presented information about how a honey queen program should be run. A chairman is needed at the state level and involvement at the local association level is recommended. Melissa reported that the Kansas honey queen program is self-funded by raffles, auctions, and other fund raising events. The Kansas queen has requirements to meet during the year, such as appearing at given fairs, shows and booths sponsored by the Kansas association. Queen candidates have to write a 300-word essay and present it as a speech. Queen candidates are judged by a panel of judges during the day at an association meeting. Glenn Davis requested a volunteer to chair the honey queen program. Joe Yungwirth volunteered. Glenn asked for a show of hands for support of the program. Several people showed interest, none disapproval. Francis Scheidegger and Charles Schwartz volunteered to assist on a committee for the honey queen program.

Luther Blair made a motion to spend $250 on video tapes for the association's educational library. Seconded by Mike Allen, and the motion passed.

Mike Allen explained the key points of the model honey bee certification plan. He pointed out that the goal is to retard the spread of the Africanized honey bee by queen management, with self-help by the beekeeper being the implementation mechanism. Three categories of beekeeper are addressed by the model plan: intrastate, interstate, and queen and package producers. Mike stated that the state could quarantine areas known to be inhabited by Africanized honey bees. Joe Francka questioned where quarantine lines would be drawn and how a quarantine could be enforced since the state does not have any funds for regulation AHB and the USDA will not be involved in regulation. Francis Scheidegger made a motion to accept the model certification plan, seconded by Sharon Gibbons. Discussion followed. Joe Francka recommended, since the AHB cannot be stopped, that beekeepers voluntarily mark queens for identification and certification. He further recommended that the plan be sent back to committee for more consideration and discussion. The motion was amended to provide for setting an area to be quarantined in case of AHB findings. The
suggestions was made to send the plan to the local associations for their discussion. Micky Lee made a motion to table the first motion until the fall meeting of 1992. Joe Yungwirth seconded and the tabling motion passed. Mike Allen asked that ideas on implementing the model certification plan be submitted to the President.

NEW BUSINESS

The President read a letter from Glenn Staggs in which he resigned his office as Vice President. Sharon Gibbons has been selected by the nominating committee as Glenn's replacement on the Executive Board. The President asked for nominations from the floor for Vice President. Charles Wills made a motion to close nominations and elect Sharon Gibbons by acclamation. Second by Clarence Vogeler. A second motion was made by Clarence Boop to accept Joe Yungwirth as nominee for Sharon's vacant board position. Second by Pam Wright. Motions passed.

A letter has been received from the Ozark Empire Fair asking for a donation from MSBA for the honey show put on by Ozark Empire Fair. The Executive Board decided not to approve funds for this fair, but asked for donations, and collected the $33 requested.

Sharon Gibbons asked for volunteers to help with the booth at the State Fair. Charles Wills volunteered Ozark Beekeepers Association to help with setting up, Ron Vivian volunteered Midwestern Association to help the first weekend, Mickey Lee volunteered Two Rivers to help the first Friday. Bids will be accepted from beekeepers for supplying honey for the State Fair sales booth for 1992.

Sharon Gibbons read obituaries for Louis Smith and Wayne Atkins who both passed away recently. Both had been active in the MSBA.

Pam Wright, President of the South Central Beekeepers' Association, made a motion that the State Entomologist request a Section 18 exemption from the Environmental Protection Agency for emergency use of Miticur for control of Varroa mites because of the mites' increasing resistance to Apistan. Craig Oliver seconded. Joe Francka commented that EPA is reviewing data that may allow registration of Miticur and said that a decision should be reached within three weeks. Joe said that he could apply for an emergency exemption if general registration is not approved. Motion passed.

The President reported that Mike Vanarsdall has been nominated as Beekeeper of the Year.

The 1992 Fall meeting will be held jointly with the Kansas Beekeepers Association October 9 and 10 in Olathe, KS. More information will published in the newsletter.

Norm Groeche made a motion to adjourn, seconded by Larry Hensley. Motion passed.
(Earlier, as part of the day's activities, Dr. Flernoy Jones was presented a plaque and Certificate of Merit for his contribution to beekeepers of the state of Missouri. Dr. Jones had served as Program Chairman of the MSBA and actively worked with beekeepers around the state conducting pesticide applicator training and helping to organize local beekeeping associations. He was also presented with a monetary gift donated by MSBA members and local association.)

Respectfully submitted,

Jim Thaxter, Secretary

HONEY QUEEN PROGRAM

On March 14 of this year at the spring Missouri Beekeepers Association Meeting, we adopted a new program that should provide fun for everyone and an assist to honey sales and the promotion of beekeeping as a hobby and an industry.

The program that has been adopted is the Honey Queen Program. The idea is that each local association selects a young lady from within the association or from a neighboring school who is willing to serve as a honey queen for a year, attending fairs and promotions. While this young lady may go on to enter the state competition, it appears that the heart of the program is at the local level.

You and your association are hereby officially invited to take part in the Honey Queen Program. Ideally, the people who administer the local program will regularly attend fairs and honey promotions in your area. The Honey Queen will be able to assist you and should be able to "liven things up".

The program must be started at the local association level and a committee established by you to run the program; therefore, I ask that after reading this, you move to appoint a committee to find a likely candidate or candidates. Your association will shortly receive a package outlining the suggested guidelines. We will be in touch to help you get your Honey Queen program off to a great start.

Sincerely,

Joseph J. Yungwirth, Chairman
Office # (314)875-7640
Home (314)474-6030
1992 MO STATE FAIR HONEY SALES BOOTH

Greetings everyone! It's time to be thinking about the MO State Fair. As chairperson, I'm asking you now to collect your thoughts and participate in this year's honey sales booth. The committee has decided to use the bidding system. One thing you need to understand is that you do not have to bid the whole fair. Take this opportunity to sell your honey; bid what you have or think you will have. If you want to bid a few cases of something, but can't furnish the whole fair, that is fine. All honey should come from the new 1992 crop, unless we have a total zero year. The amber honey may be of the 1991 crop, as it may be difficult to obtain amber honey by fair time. Keep in mind we would like to see high quality, good tasting, amber honey, not some overheated honey.

All items on which you bid must meet these requirements:
1. Must be current member of the MO Beekeepers Association.
2. All honey must be processed in MO.
3. All products must be of high quality.
4. 18% moisture or less.
5. Jars well filled, no foam, no foreign matter.
6. Bids must be in case lots for liquid honey.
7. Cut comb honey will have 14 oz. minimum weight, and same moisture test as above.
8. 8 oz., 1 lb., 2 lb., and combination jars (comb and liquid honey together) must be queenline jars, made of glass.

Thanks! I'll be looking for your returned bid sheets.

Sharon Gibbons, Chairperson

******************************************************************************

SPEAKING OF THE FAIR, SHARON IS SEEKING VOLUNTEERS TO HELP AT THE STATE FAIR. IF YOU ARE AVAILABLE ANY OR ALL DAYS, PLEASE CONTACT HER. SHE WILL BE GLAD TO HEAR FROM YOU!!

APISTAN kills Varroa, but does not harm bees.

Treat with APISTAN in the spring before the first honey flow.

Contact Mid-Con for all your Medication and Chemical Needs

APISTAN does not present a risk to honey contamination.

APISTAN is easy to use.

MID-CON
8633 Quivira Road
Overland Park, KS 66215
(913) 492-1670
(800) 547-1392
Fax (913) 492-2742
BID SHEET FOR HONEY FOR THE 1992 MISSOURI STATE FAIR SALES BOOTH

Bid on any or all items (state quantity and price):
12 oz. bears (24) light honey______________________________
1 lb. jar (24) light honey______________________________
1 lb. jar (24) amber honey______________________________
2 lb. jar (12) light honey______________________________
5 lb. jar (6) light honey______________________________
comb & liquid together______________________________
Gallons light honey______________________________
Hard Honey candy (assorted flavors)______________________________
Cut Comb______________________________
Section Comb______________________________
honey stix (honey in plastic straws)______________________________
Beeswax (1 oz. or 1.5 oz. or 1 lb. bar)______________________________
Beeswax candles (dipped or poured)______________________________
Creamed honey-regular, cinnamon, apricot, black walnut______________________________

The supplier shall use the label that we will furnish at no cost to you. All bids must be received by July 6, 1992. Please sign the sheet, give your address and phone number. The committee reserves the right to reject any and all bids.

Name__________________________________________________________
Address__________________________________________________________
Phone (___)______________________________________________________

RETURN TO: SHARON GIBBONS, 314 QUINNMOOR DR., BALLWIN, MO 63011
(314) 394-5395

Honey
OBITUARIES

This winter, MO State Beekeepers Association mourned the loss of two fine beekeepers and friends.

Wayne Atkins

February 28, 1992
Wayne was a charter member of Boone Regional Beekeepers and taught beekeeping classes through the University of MO Extension Services. He had a Master's degree in agriculture and a Doctorate in Extension Education. He was very active in his local association as well as the Missouri State Beekeepers Association.

Louis Smith

1987 Missouri Beekeeper of the Year, Louis Smith was an active member of the Two Rivers Association. Louis volunteered as Boy Scout Merit Badge Counselor for beekeeping and taught beekeeping courses in several towns. Louis served as both President and Vice President of the Two Rivers Association. He was an active member of the MO State Beekeepers as well.

We regret the omission of the South Central MO Beekeepers Association in our list of local clubs. Here is their official slate:

SOUTH CENTRAL MO BEEKEEPERS ASSN

President: Pam Wright
Vice President: Sharon Waddell
Secretary: Marge Kilton
Treasurer: Barbara Day
Program Chairman: Milton Wright

Mailing Address:
Marge Kilton
RR 2 Box 2746
Alton, MO 65606

Sorry about the slip-up, South Central.
Editor's Corner

Just when you think you know everything, somebody comes around to prove you wrong. For instance, what do you know about the Mitochondrial DNA Variability in Honey Bees and its Phylogeographic Implications? Well, don't ask me, I just ask the questions. That is the title of an article written by J.M. Cornuet and L. Garnery.

Actually, I did look up "phylogeographic". It isn't in the dictionary. The prefix "phylo" is though, and it is a combining form denoting tribe, race, or phylum. So, I looked up "phylum" and it is a term for any of the broad, principal divisions of the animal kingdom. Sticking "phylo" and "geographical" together must have something to do with a family of bees in a certain area. So the article probably is about why or how bees in different areas are different at a genetic level. I'll find out for sure when I get the article.

These days, with Africanized bees migrating and mite infestations breaking out everywhere, each and every beekeeper should have some interest in learning more about bees. I mean learning the hard stuff: genetics, biology, chemistry. That isn't to say we should all be scientists, but we should put out the extra effort to get some sort of handle on the nitty gritty things. It seems that the small things cause the biggest concern.

Now, to get to the point, here is a partial list of articles sent to me from the Apicultural Awareness Staff. If nothing looks interesting to you, close your eyes and just point your finger on the page. Where it lands is what you send off for. When the article comes, wrestle with it till you get a grasp on what it says. You and your bees will be in better shape.

The addresses are sometimes hard to decipher, but generally, the slashes divide it by lines. If you have any questions or need some assistance, drop me a line and I'll see what we can do. I've got a lot more listings. Just ask, and you will receive.


D.L. Anderson/CSIRO/Div Entomol/Black Mt/GPO Box 1700/Canberra/Act 2601, Australia


F.G. Nobrega/Univ Sao Paulo/Inst Biociencias/Dept Biol/Caixa Postal 11461/BR-05499 Sao Paulo/Sp, Brazil


S.L. Buchman/USDA ARS/Carl Hayden Bee Research Center/20000E. Allen Rd./Tuscon, AZ 85719


Cornuet, J.M.; Garnery, L. Mitochondrial DNA
Marinated Pork Chops

6 pork chops (1 inch thick, abt. 3 lbs.)
3/4 cup honey
1/2 cup white vinegar
1/4 cup soy sauce
1/2 tsp ground ginger
1 clove garlic, minced

Place pork chops in a 13 x 9 x 2 baking dish. Combine remaining ingredients; pour over pork chops. Cover and refrigerate at least 8 hours.

Remove from fridge; let stand 30 minutes. Bake in marinade, covered, at 325° for 1 hour or until a meat thermometer registers 160°.

Yield: 6 servings
Under the jurisdiction of the Missouri State Fair Division, no person shall be allowed to exhibit any honey from a honey bee colony owned or managed by any person other than the owner of the fair. All honey exhibited at the fair shall be labeled with the name and address of the owner of the honey bee colony. Any person found in violation of this regulation shall be subject to a fine of not less than $50.00 nor more than $1,000.00.
Table: 89th Annual Missouri State Fair - Honey Section

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut comb honey in plastic boxes, all sides visible. Six packages of approximately one pound.</td>
<td>$12</td>
</tr>
<tr>
<td>Round or square section comb honey, six packages, with top and bottom of comb visible.</td>
<td>$12</td>
</tr>
<tr>
<td>Light bulk comb honey, six 2 or 2 1/2 pound jars</td>
<td>$3</td>
</tr>
<tr>
<td>Dark bulk comb honey, six 2 or 2 1/2 pound jars</td>
<td>$3</td>
</tr>
<tr>
<td>Light extracted honey, six 1 pound jars</td>
<td>$10</td>
</tr>
<tr>
<td>Dark extracted honey, six 1 pound jars</td>
<td>$10</td>
</tr>
<tr>
<td>Sealed honey, white, broad size frame (9 1/8&quot; x 17&quot;)</td>
<td>$7</td>
</tr>
<tr>
<td>Sealed honey, white, shallow-depth honey frame (3 3/8&quot; or 6 1/4&quot; x 17&quot;)</td>
<td>$7</td>
</tr>
<tr>
<td>Candied honey, six 2 pound jars, produced in 1990-1991</td>
<td>$7</td>
</tr>
</tbody>
</table>

**Bee and Beeswax**

- Yellow Beeswax, 3-pound cake not over one year old: $5
- Queen and her bees, with emerging brood, in one-frame observation hive: $5

**APICULTURAL PRODUCTS**

- Art designs in beeswax, 1 to 3 items of molded or sculptured beeswax: $20
- Beeswax Candles, six candles that are either molded or dipped: $10

Group Competition

- Any Missouri local beekeeping association may exhibit in any one or all classes listed below. All entries will be governed by the same rules as apply to individual competition. However, premium money will be paid to the local beekeeping association responsible for the entry, and ribbons will be awarded to the individual preparing the entry. Only one entry per class per individual will be permitted, however, other individuals may enter the same class from the same local association. A Grand Champion ribbon and $35 will be awarded to the association winning the largest amount of premium money. In the event of a tie the Grand Champion ribbon and money will be awarded to the association that has won the most blue ribbons. Further ties will be broken by proceeding to the next lower ribbon until a winner is determined.

NOTE: Entries under group competition will not be competing against individual entries.

**HONEY, GROUP COMPETITION**

Amount offered in this Division by State Fair: $348.00

**CLASS**

- Store display for retail outlets of a permanent nature. May be displayed as a table or floor display occupying approximately nine square feet of surface area. It may include comb and extracted honey, posters, flowers, and any other items that add aesthetic appeal to the display. This class will be judged on attractiveness, quality of product, arrangement and appeal to customers, and should be a display from which honey would be sold: $25
- Display of light extracted honey in standard honey jars, assorted sizes, 25 to 50 pounds: $12
- Cut comb honey in plastic boxes, all sides visible. Six packages of approximately one pound: $10
- Round or square section comb honey, six packages, with top and bottom of comb visible: $10
- Light bulk comb honey, six 2 or 2 1/2 pound jars: $3
- Dark bulk comb honey, six 2 or 2 1/2 pound jars: $3
- Light extracted honey, six 1 pound jars: $10
- Dark extracted honey, six 1 pound jars: $10
- Sealed honey, white, broad size frame (9 1/8" x 17") : $7
- Sealed honey, white, shallow-depth honey frame (3 3/8" or 6 1/4" x 17") : $7
- Candied honey, six 2 pound jars, produced in 1990-1991 : $7

**DILUTION D**

Honey Cookery

Amount offered in this Division by State Fair: $302.00

Special: A Champion Ribbon and $25 will be awarded to the outstanding exhibitor in the Honey Cookery Division and will be decided on total ribbon points; 4 points for 1st; 3 points for 2nd; 2 points for 3rd; and 1 point for 4th. In case of a tie, the exhibitor with the most total points on the score cards will be the winner.

Note: The score card used in judging the Food exhibits will be used in judging honey cookery and awards decided on total points. The recipes will receive consideration. They must be attached and correct. Preference will be given exhibits containing the least sugar, other things being equal.

**CLASS**

- General display of uses of honey in preparation of bread, pastries, candies, also canning. (No open liquids). Recipes attached: $20
- Honey Fruit Cake, recipe attached: $12
- Light Honey Cake, recipe attached: $10
- Dark Honey Cake, recipe attached: $10
- Box of Assorted Honey Cookies, 1 pound (six kinds), Recipes attached: $10
- Box of Assorted Honey Candles, 1 pound (six kinds), Recipes attached: $15
- Loaf of Honey Whole Wheat Bread, recipe attached: $10
- Loaf of Honey Quick Bread, recipe attached: $10

**SCORE SHEET FOR JUDGING APIARY PRODUCTS**

**EXTRACTED HONEY**

(Class 3, 8, 9, 18, 22, 23)

<table>
<thead>
<tr>
<th>Degree of Density Above 18.0% moisture</th>
<th>0 or Disqualify</th>
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<tbody>
<tr>
<td>18-18.6</td>
<td>18</td>
</tr>
<tr>
<td>17-17.5</td>
<td>15</td>
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<tr>
<td>16-16.5</td>
<td>20</td>
</tr>
<tr>
<td>15-15.5</td>
<td>20</td>
</tr>
<tr>
<td>below 15</td>
<td>10</td>
</tr>
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</table>
### BEES IN OBSERVATION HIVE

(Class 14)

<table>
<thead>
<tr>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bees; uniform color, size, and correct type</td>
<td>15</td>
</tr>
<tr>
<td>Queen; age, shape, behavior, and marking</td>
<td>20</td>
</tr>
<tr>
<td>Brood; compact pattern, show all stages</td>
<td>20</td>
</tr>
<tr>
<td>Variety; presence of queen, workers, drones, brood, honey, pollen, etc.</td>
<td>15</td>
</tr>
<tr>
<td>Cleanliness and suitability of the comb</td>
<td>10</td>
</tr>
<tr>
<td>Appearance, cleanliness, and suitability of observation hive</td>
<td>10</td>
</tr>
<tr>
<td>Total points possible</td>
<td>100</td>
</tr>
</tbody>
</table>

### STORE DISPLAY

(Class 2 and 17)

<table>
<thead>
<tr>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attractiveness (pleasing and eye-catch)</td>
<td>20</td>
</tr>
<tr>
<td>Quality and variety of products in the display</td>
<td>40</td>
</tr>
<tr>
<td>Originality of arrangement</td>
<td>20</td>
</tr>
<tr>
<td>Sales appeal; display from which honey is sold</td>
<td>20</td>
</tr>
<tr>
<td>Total points possible</td>
<td>100</td>
</tr>
</tbody>
</table>

### ART DESIGN IN BEESWAX

(Class 15)

<table>
<thead>
<tr>
<th>Description</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Color between straw and canary yellow</td>
<td>25</td>
</tr>
<tr>
<td>Cleanliness (free from honey and impurities)</td>
<td>25</td>
</tr>
<tr>
<td>Novelty of mold or sculpture</td>
<td>25</td>
</tr>
<tr>
<td>Nestness of workmanship</td>
<td>25</td>
</tr>
<tr>
<td>Total points possible</td>
<td>100</td>
</tr>
</tbody>
</table>

### BEESWAX CANDLES

(Class 16)

<table>
<thead>
<tr>
<th>Description</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Color between straw and canary yellow</td>
<td>25</td>
</tr>
<tr>
<td>Cleanliness (free from honey and impurities)</td>
<td>25</td>
</tr>
<tr>
<td>Freedom from cracking, shrinking, and marks</td>
<td>25</td>
</tr>
<tr>
<td>Nestness of workmanship</td>
<td>25</td>
</tr>
<tr>
<td>Total points possible</td>
<td>100</td>
</tr>
</tbody>
</table>

---

**LINKOUS BEE FARM, INC.**

2600 Amos Circle
Raleigh, N.C. 27610
1-800-442-2756
CLAUDIA + CARTER + CHRIS
Certified Beekeepers

Bee Pollen
Crop Pollination
Hives
Package Bees
BEE EDUCATIONAL KITS AVAILABLE

A Show and Tell Kit containing educational materials and information for children has been developed by the Texas A&M Agricultural Extension Service in work supported by the Extension Service, USDA. The "Bee Box" contains lesson plans and educational materials that are designed for use by elementary school teachers (grades K-4). The goal of the educational material is to teach grammar school children about honey bees in general and specifically about Africanized honey bees.

The kit contains: (1) a booklet having 4 lesson plans with glossaries, bee cartoons, worksheets and bee projects; (2) a beekeeping slide set with an audio cassette; (3) a honeycomb sample (plastic); (4) a bee Trap Box; (5) honey bees cast in resin molds (both European and Africanized bees); and (6) three large beekeeping photo prints having instructional information on the back of the photos. Some of the materials are also available in Spanish.

The Kit, costing $45.00 per kit, can be ordered from:

Bee Kits
Department of Agricultural Communications
Room 201 Reed McDonald Building
Texas A & M University
College Station, TX 77843-2112

SOURCE: Dave Mayes, Dept of Ag Communications, Room 201 Reed McDonald Bldg, Texas A&M University, College Station, TX 77843-2112, TEL: (409)845-2803, FAX: (409)845-2414.

REMOVING HONEY BEES FROM BUILDINGS

With the arrival of the African honey bee, there continues to be increased interest in the art of removing honey bee nests from buildings. Dr. Jon Williams at the USDA Bee Laboratory, Baton Rouge, LA, is attempting to locate persons who are in this specialized business. He is interested in experimenting with various means to remove bees from difficult places without the use of pesticides. If you have or wish to gain experience in this, contact Dr. Williams, Telephone (504) 766-6064.


MANUAL FOR FIELD COLLECTION AND DOCUMENTATION OF FERAL HONEY BEE COLONIES AVAILABLE FROM USDA ARS, TUCSON, AZ

Feral honey bee colonies in some area may be more vulnerable to the process of Africanization than managed colonies. Prior experience in South and Central America suggests that most serious human
stinging incidents involve feral AHB colonies. There is a need to know the density, distribution, and habitats of existing feral honey bee populations, to predict how the AHB may change these populations, and how feral Africanized bees might be controlled or their genetic characteristics manipulated.

Therefore, it is imperative that feral colonies be characterized (1) prior to the arrival of Africanized honey bees; (2) during the Africanization process; and (3) in the years that follow, as these new genes and characteristics are absorbed into feral and domestic honey bee populations in North America. This manual has been prepared to explain how to collect essential information on feral colonies to ensure uniformity of data acquisition.

SOURCE: Dr. Eric Erickson, USDA, ARS, Carl Hayden Bee Research Center, 2000 East Allen Road, Tucson, AZ 85719.

NEW EXTENSION PUBLICATIONS AVAILABLE FROM GEORGIA

Three new publications are available from the Georgia Cooperative Extension Service. They are: Africanized Honey Bees (1 page leaflet), Honey Bees and Beekeeping (24 page booklet), Parasitic Mites of Honey Bees - Survey of Miticide Use in Georgia Honey Bee Hives - Survey of Beekeeper Perceptions and Problems (78 pages). Contact Keith Delaplane for information on costs and shipping.

SOURCE: Dr. Keith S. Delaplane, Cooperative Extension Service, The University of Georgia, Athens, Georgia 30602.

HONEY BEE MOLECULAR GENETICS NEWSLETTER INAUGURATED

The Honey Bee Molecular Genetics Newsletter is to improve communication and collaboration among molecular geneticists among using honey bees as an experimental system. Individuals who are not using molecular techniques are welcome as subscribers.

To subscribe, send your name, address, Phone number, FAX number, E-Mail address and a 20 word description of your research interest to Dr. Charles Milne at the address below.

SOURCE: Dr. Charles P. Milne, Jr., Dept of Entomology, Washington State University, Pullman, WA 99164-6382, FAX (509)335-1009, E-Mail: MILNE@WSUVN1.BITNET.

INDUSTRY CALENDAR

<table>
<thead>
<tr>
<th>EVENT</th>
<th>DATE/TIME</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA NORTH CENTRAL BRANCH</td>
<td>MAR 14-17, 1992</td>
<td>KANSAS CITY, MO</td>
</tr>
<tr>
<td>EASTERN APICULTURAL SOCIETY</td>
<td>JUL 27-31, 1992</td>
<td>GUELPH, ONTARIO, CANADA</td>
</tr>
<tr>
<td>WESTERN APICULTURAL SOCIETY</td>
<td>AUG 10-14, 1992</td>
<td>CORVALLIS, OR</td>
</tr>
<tr>
<td>INTERNATIONAL WORKSHOP ON NON-APIS BEES</td>
<td>AUG 10-13, 1992</td>
<td>LOGAN, UT</td>
</tr>
</tbody>
</table>

NOTE: Due to fluctuating mail delivery dates, some dates are left in the calendar even though they may have passed by the time “Apiculture Awareness” is received.

Sincerely,

James E. Tew, Ph.D., National Program Leader, Apiculture Extension Service, USDA
The Ohio State University, Wooster, Ohio 44691
TELEPHONE: (216) 264-3911 – FAX: (216) 262-7634
INTERNET: TEW.1@OSU.EDU

Constance J. Britton, Librarian
Ohio Agricultural Research and Development Center
DR. MALCOLM T. SANFORD PARTICIPATES IN EGYPTIAN BEEKEEPING PROGRAM

Dr. Tom Sanford cooperated with Volunteers in Overseas Cooperative Assistance to provide consultation to Egyptian beekeepers. From February 12 - March 17, 1992, Dr. Sanford visited 24 apiaries, contacted 255 beekeepers and presented two seminars to the Faculties of Agriculture at the Universities of Alexandria and Mansoura. A full report of Dr. Sanford's Egyptian beekeeping experiences is available.

SOURCE: Malcolm T. Sanford, Extension Apiculturist, University of Florida, Gainesville, FL 32611-0740, tel. 904/392-1601, ext 143. Internet: MTS@GNV,IFAS.UFL.EDU; Bitnet: MTS@IFAS@GNV;BITNET.

SWARM MANAGEMENT LEAFLET FROM MISSISSIPPI STATE UNIVERSITY

A new extension publication entitled "Swarm Management" has been released by Dr. Clarence Collison at Mississippi State University that discusses the biology and behavior of honey bee swarming. The leaflet is 4 pages long and contains several photos.

SOURCE: Dr. Clarence Collison, Entomology Professor & Head, Mississippi State University, P.O. Drawer EM, Mississippi State, MS 39762 (601)3325-2065.

MAP OF AFRICANIZED HONEY BEE TRAP LINES

SOURCE: Dave Mayes, Department of Agricultural Communications, Room 229, Reed McDonald Building, Texas A&M University, College Station, TX (409)845-2211
EASTERN APICULTURAL SOCIETY CONFERENCE TO BE HELD AT THE UNIVERSITY OF GUELPH

The 1992 Annual Eastern Apicultural Conference will be held at the University of Guelph July 27-31, 1992. The theme for the conference will be "Toward Environmental Harmony". Dr. Mark L. Winston, Simon Fraser University, the 1992 E.A.S. Hambleton Award winner, will be the conference keynote speaker. More detailed information is available.

SOURCE: Jack Robinson, 71 Saskatoon Dr., Toronto, Ontario, Canada, M9P 2G1 (416 247-2548)

HONEY BOARD TO FUND POLLEN ANALYSIS RESEARCH

The National Honey Board will be funding a pollen analysis research project which will improve U.S. honey exports. Many countries require pollen analysis documentation of claimed floral source before they will purchase imported honey. The United States is presently the only major honey-producing country which is unable to supply published information on the distribution of pollen types in its honey.

The Honey Board's research project, entitled, Pollen Analysis, Composition and Properties of U.S. Honeys, will provide extensive and authoritative pollen information on all significant honey types produced in the United States.

Research will be overseen by Dr. Jonathan W. White and conducted at Texas A&M University. Work on the project will commence this spring, and results will be published in late 1993.

SOURCE: Sherry Jennings, National Honey Board, 421 21st Avenue #203, Longmont CO (303)776-1177

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</tr>
<tr>
<td>INTERNL WORKSHOP ON NON-APIS BEES</td>
<td>AUG 10-13, 1992</td>
<td>LOGAN, UT</td>
</tr>
<tr>
<td>AMERICAN BEE RESEARCH CONFERENCE</td>
<td>SEP 19-22, 1992</td>
<td>COLLEGE STATION, TX</td>
</tr>
<tr>
<td>AMERICAN HONEY PRODUCERS ASSOC.</td>
<td>JAN ----, 1993</td>
<td>HOUSTON, TX</td>
</tr>
<tr>
<td>AMERICAN BEEKEEPING FEDERATION</td>
<td>JAN 20-23, 1993</td>
<td>KANSAS CITY, MO</td>
</tr>
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TELEPHONE: (216) 264-3911 -- FAX: (216) 262-7634
INTERNET: TEW.1@OSU.EDU

Constance J. Britton, Librarian
Ohio Agricultural Research and Development Center
MISSOURI HONEY QUEEN
RULES AND GUIDELINES

1. The Missouri Honey Queen will automatically relinquish her title if she enters into a marriage contract or if she chooses to cohabit with a male in lieu of a marriage contract. Conduct deemed to be improper and detrimental to the Missouri State Beekeepers Association will be reason for disqualification and dismissal by the Executive Board of the MSBA.

2. The Missouri Honey Queen will be expected to attending the following events in the State of Missouri at the expenses of the Missouri State Beekeepers Association; the spring and fall meetings of the MSBA; as many days as possible, but at least 4 days (or both weekends) of the Missouri State Fair, Sedalia, Mo.

3. Alcoholic beverages and smoking are prohibited for a queen while representing her association.

4. The Missouri Honey Queen shall send a quarterly report for publication in the MSBA newsletter. The report should be sent to the editor.

5. Send all honey queen expenses to the queen chairperson. Twenty-two (.22) cents per mile for gasoline costs for traveling to and from official appearances is paid by the MSBA. Your odometer reading leaving home to go to the appearance and the odometer reading upon completion of the appearance must be provided for payment of mileage. Long distance phone calls in conjunction with official appearances will be paid by the MSBA.

6. When the Missouri Honey Queen is invited to appear at any other event other than those listed above, the inviting group or individual shall be responsible for her food and lodging. The MSBA will pay the gasoline cost.

7. Any persons or groups wishing the Missouri Honey Queen to appear must clear the appearance and date with the honey queen chairperson who will then advise the queen of the coming appearance. Invitations for appearances will be accepted on a first-come, first-serve basis. All out of state association or beekeeper invitations must be approved by the chairperson before acceptance.

8. The Missouri Honey Queen is expected to keep a detailed scrapbook of her activities during her reign.

9. The Missouri Honey Queen shall compose a honey recipe folder and submit it to the chairperson within 30 days following her coronation.

10. The Missouri Honey Queen is encouraged to participate in the American Honey Queen contest. Expenses while attending the American Beekeeping Federation Convention as a candidate for the American Honey Queen title such as airfare, hotel and meals will be paid by the MSBA.
GUIDELINES AND RULES FOR THE MISSOURI HONEY QUEEN CONTEST

1. Required to be a resident of the State of Missouri.

2. Age 17 preceding the judging and no older than 21.

3. Contestants shall be single, shall never have been married, nor had a marriage annulled, nor have cohabited with a male in lieu of a marriage contract. Contestants who are pregnant or have been pregnant are ineligible.

4. Each contestant must submit a wallet size photo of herself with application.

5. Each contestant must furnish a 300 word essay on HONEY, typewritten, doublespaced and on one side of the paper, to be included with the registration form, which will be presented orally as part of the judging.

6. All application forms must be in the hands of the honey queen chairperson, Joe Yungwirth, 8909 N. Boatman Hill Road, Columbia, Missouri, 65202, or Sharon Gibbons, 314 Quinmoor, Ballwin, Mo, 63011 no later than 6-25-93.

7. A $10.00 entry fee will be paid on your behalf by a member of the Missouri State Beekeepers Association.

8. There will be at least three (3) impartial judges chosen by the honey queen committee.

9. The judging will be held on Expenses such as mileage, meals and lodging will be paid for the newly chosen honey queen.

10. The judging will be made in a street length dress. Dress shoes required.

11. Further information regarding the judging will be sent to each candidate upon receipt of the application, photo, and essay.

PLEASE READ ALL RULES FOR THE JUDGING CAREFULLY SO YOU WILL UNDERSTAND THEM CLEARLY.
MISSOURI HONEY QUEEN DRESS CODE

1. The crown and banner should be worn at all official appearances. The crown and banner should not be worn with jeans or slacks. If the banner becomes soiled have it dry cleaned. The Missouri State Beekeepers Association will pay the dry cleaning bill.

2. The queen should always dress in a manner that would be pleasing to the association she represents. She should dress appropriately for each occasion with accent on cultivating the professional look. The selection of shoes is very important. The queen should take into consideration the fact that many promotions will require you to be on your feet a great deal of the time.

3. Make up should be at your discretion but should not be overdone. You are discouraged from applying make-up in public.

4. Alcoholic beverages and smoking are strictly prohibited for the queen while making an official appearance.

5. It is most important to always be well groomed and properly dressed when appearing as the Missouri Honey Queen. Your personal appearance should always be at its best. A friendly smile and good posture are necessary ingredients for the queen.

* * * * * * * * * * * * **

CHANGE OF ADDRESS

If you are moving or receiving more than one copy of MSBA newsletter, please let me know immediately.

NAME
ADDRESS
CITY
STATE ZIP

Send changes to: Sharon Gibbons, 314 Quinnmoor Dr. Ballwin, MO. 63011
We no longer can afford to send out returned newsletters by 1st. class mail. The cost to reissue a newsletter that is returned for incorrect address is $9.95.
MISSOURI HONEY QUEEN
CONTEST APPLICATION

NAME____________________________________ TELEPHONE__________________

ADDRESS_________________________________________________________________

FATHER'S NAME_______________________MOTHER'S NAME_____________________

DATE OF BIRTH_____________________HEIGHT______________________________WEIGHT:________

COMPLEXION_____________HAIR____________________EYES__________________

GIVE A BRIEF AUTOBIOGRAPHY__________________________________________

_______________________________________________________________________

_______________________________________________________________________

_______________________________________________________________________

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_______________________________________________________________________
Missouri State Beekeepers Association would like to thank all of the dealers and suppliers for donating items for prizes at our state meeting on March 14, 1992. The following is a list the companies and the items that they donated.

ROSSMAN APIARIES
  1 - Cypress Hive Stand
  1 - 10 9 1/8 frames

THE WALTER T. KELLEY COMPANY
  1 - $10 Gift Certificate toward the purchase of beekeeping supplies

YORK BEE CO.
  4 - Starline Queens

DADANT & SONS
  1 - 1-year Gift Subscription to The American Bee Journal
  2 - $5 Gift Certificates toward the purchase of beekeeping supplies

LINKOUS BEE FARM
  2 - American Italian Queens

WESTERN BEE SUPPLIES INC.
  1 - Deep Hive Body
  1 - 10 Deep Frames

BRUSHY MOUNTAIN
  1 - License Plate

GLENN APIARIES
  1 - Italian Queens

THE SPEEDY BEE
  1 - 2-year Subscription to The Speedy Bee

DRAPER'S SUPER BEE SUPPLIES
  1 - Container Samples (1 container of each size)
  1 - Decorative Skep
  1 - Beekeeper's Gloves

MID-CON
  1 - Kansas Honey Cookbook
  1 - Bag Honey Sticks
  2 - Coffee Cups

ACRA
  2 - Heating Bands for 5 gallon containers

WEAVER APIARIES
  2 - Buckfast Queens

HOWARD WEAVER & SONS INC.
  1 - Caucasain Queen
JOINT MEETING OF THE
KANSAS HONEY PRODUCERS ASSOCIATION
&
MISSOURI STATE BEEKEEPERS ASSOCIATION
OCTOBER 9 & 10, 1992

Friday, October 9, 1992
7:00 a.m. -8:00 a.m. Registration
8:00 a.m. -8:15 a.m. Welcome & Introductions
8:15 a.m. -9:15 a.m. Business Meeting
9:15 a.m. -9:30 a.m. Break
9:30 a.m. -10:30 a.m. State Apiary Inspector Reports - Joe Francka, Gary Ross
10:30 a.m. -11:30 a.m. Guest Speaker - Dr. Larry Connor
11:30 a.m. -12:30 p.m. Lunch - (On your own)
12:30 p.m. -1:00 p.m. Kansas Honey Queen Report - Brenda Anderson
Introduction of 1993 Queen Candidates
1:00 p.m. -1:45 p.m. Guest Speaker - Kim Flottum, "Gleanings in Bee Culture"
1:45 p.m. -2:15 p.m. Break
2:15 p.m. -3:00 p.m. Guest Speaker - Dr. Chip Taylor - University of Kansas
3:00 p.m. -4:00 p.m. Guest Speaker - Troy Fore, American Beekeeping Federation
4:00 p.m. -4:15 p.m. Announcements and Adjournment
5:00 p.m. -6:00 p.m. Banquet
6:00 p.m. Award Presentations
Auction - Proceeds to benefit the honey queen program
Crowning of 1993 honey queen

Saturday, October 10, 1992
9:00 a.m. -12:00 p.m. Dr. Larry Connor - Workshop
Gary Ross - Workshop, Bee Diseases
Joe Francka - Workshop, Mites
Kim Flottum - Workshop, Controlling Stinging Insects
12:00 p.m. -1:30 p.m. Lunch
1:30 p.m. -4:30 p.m. Dr. Larry Connor - Workshop
Gary Ross - Workshop, Bee Diseases
Joe Francka - Workshop, Mites
Kim Flottum - Workshop,
We are interested in each and everyone of our members. Although we cannot give each one the individual attention we would like; we try to make your membership meaningful and trust that it adds zest, pleasure and profit to your beekeeping endeavor. You may not even have bees, but your interest in bees and what the bees contribute to our nations economy will lead to prosperity for all.

Dues are $5.00 per year. Make check payable to Missouri State Beekeepers Assn. If you belong to a local association, pay your dues through local treasurer.

ENCLOSED IS $____ for _____ YEARS OF MEMBERSHIP.

NAME: __________________________________________

ADDRESS_______________________________________

CITY____________ STATE_________ ZIP__________

PHONE________________________________________

MAIL TO: Ron Vivian P.O. Box 448 Oak Grove MO 64075