

MISSOURI STATE BEEKEEPERS ASSOCIATION

Volume 30

No. 2

Spring 1992

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MICKY LEE

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Open

AUDITING COMMITTEE:

Roger Nichols
Open

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STATE ENTOMOLOGIST: Joe Francka Dept. of Agriculture
P.O. Box 630 Jefferson City, MO 65102 (314)751-2462

EXTENSION ENTOMOLOGIST: Dr. "Gene" Munson Entomology Dept.
1-87 Agriculture Bldg. University of MO Columbia, MO 65211 (314)882-3748

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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.

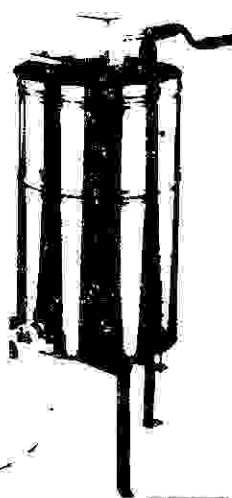
Glenn

Are You Ready for This Years Honey Crop?

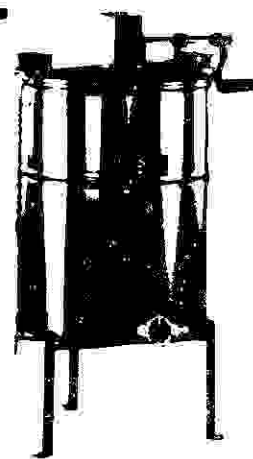
Stainless Steel Honey Extractors

Junior Bench Extractor— Stainless steel hand powered. Capacity: 2 frames (9 1/2" deep maximum) per load. SS extracting basket and new SS top assembly. Piano style continuously hinged lid. Easily converts to 175-lb. storage container. (Frames must be removed and turned to extract both sides.) 1 1/2" plastic honey gate included. Tank: 304 SS, 14" dia. x 23 1/2" ht. All extractors should be anchored when in use. We recommend M00391 stainless steel stand (sold separately).

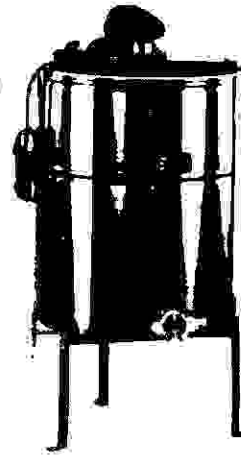
M00390



M00396



M00403



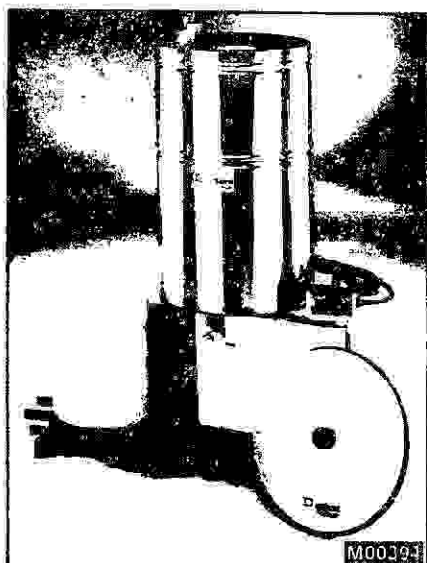
M00391

M00397

M00397

Little Wonder Extractors: Top quality tangential extractors. Extract 4-6 9 1/2" 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 1 1/2" gate. Tank: 304 SS, 18" dia. x 24" ht. Stand sold separately.

The Small Honey Producers Dream — A Great Value!



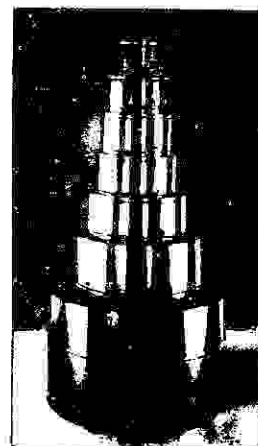
M00391

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

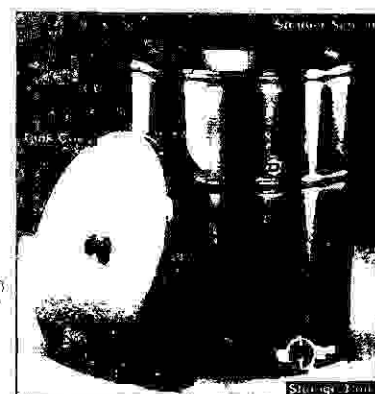
Electric Knives Just plug them in and you are ready to start uncapping. High quality blade is 10" (254mm) long by 2" (51mm) wide. Guaranteed for one year by manufacturer, with adjustments made direct with the factory.



Strainer Screens: Aluminum screens hook over tank rim and nest inside tank.



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



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.



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HONEY BEE CERTIFICATION PLAN
Glenn Davis

Last October, I was elected the 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

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 Brigidoon

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
<u>pstg/hndlg</u>	<u>+ 1.50</u>
Total	\$21.50

7 Badges X 4.00 =	\$28.00
<u>pstg/hndlg</u>	<u>+ 3.00</u>
Total	\$31.00

15 Badges X 4.00 =	\$60.00
<u>pstg/hndlg</u>	<u>+ 4.50</u>
Total	\$64.50

able to live with the plan that they come up with; after all, they are not beekeepers and they won't understand our position.

MISSOURI STATE BEEKEEPERS' ASSOCIATION
General Membership Meeting
Holiday Inn Executive Center
March 14, 1992
Columbia, MO

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 Bopp 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 be published in the newsletter.

Norm Grosche made a motion to adjourn, seconded by Larry Hensley. Motion passed.

(Earlier, as part of the day's activities, Dr. Flerney 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 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!!

<p>❖ APISTAN kills Varroa, but does not harm bees.</p> <p>❖ Treat with APISTAN in the spring before the first honey flow.</p> <p>Contact Mid-Con for all your Medication and Chemical Needs</p>	<p>APISTAN</p>  <p>Varroa Mites!</p>	<p>❖ APISTAN does not present a risk to honey contamination.</p> <p>❖ APISTAN is easy to use!</p>  <p>8833 Quivira Road Overland Park, KS 66215 (913) 492-1670 (800) 547-1392 Fax (913) 492-2742</p>
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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



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.

Anderson, D.L.; Giacon, H. Reduced Pollen Collection by Honey Bee (Hymenoptera, Apidae) Colonies Infected with Nosema-Apis and Sacbrood Virus. Journal of Economic Entomology; February 1992; 85(1): 47-51. Note: English Article.

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

Arias, M.C.; Nobrega, F.G. Location of Genes in Apis-Mellifera-Scutellata Derived Mitochondrial DNA of Africanized Honey Bees. Apidologie; 1991; 22(6): 611-619. Note: English Article.

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

Beck, B.F. Tom Owen, the Mighty Honey Hunter. American Bee Journal; February 1992; 132(2): 121-123. Note: English Article.

Buchman, S.L.; Orourke, M.K. Importance of Pollen Grain Volumes for Calculating Diets. Grana; 1991; 30(3-4): 591-595. Note: English Article.

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

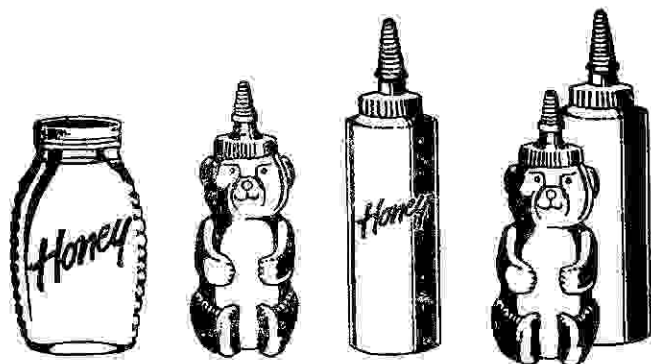
Clark, T. Thick Honey. American Bee Journal; February 1992; 132(2): 88. Note English Letter.

Cornuet, J.M.; Garnery, L. Mitochondrial DNA

Variability in Honeybees and Its
Phylogeographic Implications.
Apidologie; 1991; 22(6):
591-609. Note: English Article.
J.M. Cornuet/Inra/Neurobiology
Comparee Invertebres
Lab/CNRS/Ura 1190/La
Guyonnerie/F-91440 Bures sur
Yvette, France

Greenleaf, M. The Starline
Midnite Tradition Continues at
Hybri-Bees. American Bee
Journal; February 1992; 132(2):
107-109. Note: English Article.
M. Greenleaf/Hybri Bees Inc./La
Belle, FL 00000

-Bill



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

12
Thanks to us,
bears are being sighted
in more homes,
restaurants and supermarkets
than ever before.



When it comes to spreading the good news about honey, look to the
National Honey Board. Your investment in our promotions and education
programs has resulted in:

- Over \$3 million in publicity for honey & beekeeping in 1990
- An increase in retail sales of honey
- Last year's introduction of 279 new honey products
- Foodservice operators getting tools to increase honey usage

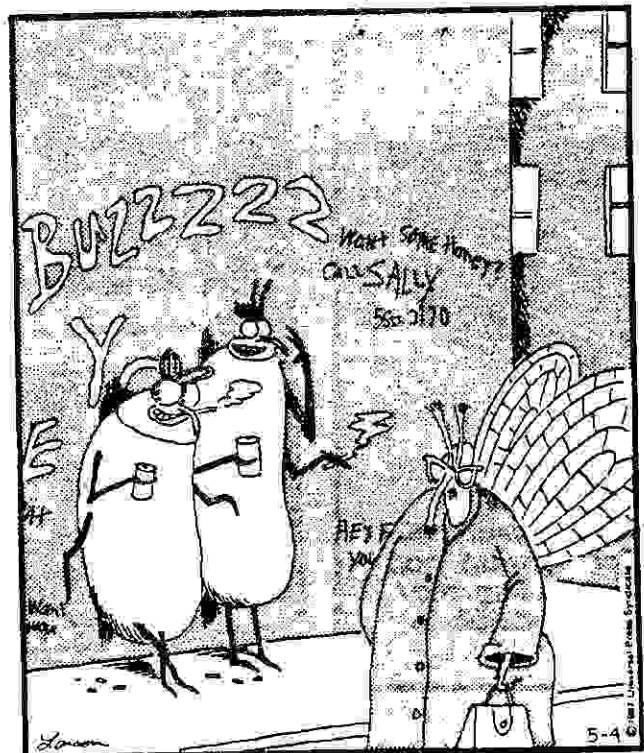
Count on us to continue promoting honey's good name. It's a task we're
more than happy to bear.

National Honey Board



421 21st Avenue, Suite 203, Longmont, Colorado 80501 1421 303 776-2537 Facsimile 303 776-1177

THE FAR SIDE



Killer bees are generally described
as starting out as larvae delinquents.

Missouri State Fair Sedalia, Missouri

Admission: \$1.35, \$0.00
 Thursday, August 15, 8:00 a.m.

RULES AND REGULATIONS

1. Exhibitors in Classes 1, 2, and 17 are requested to pre-enter by mail and entries should be received by 5 p.m., August 13.
2. Exhibits that are to be shipped must be on the grounds not later than 3:00 p.m., Wednesday, August 14. All exhibits must be in place by 6:00 p.m., Wednesday, August 14.
3. No entries will be accepted after August 14.
4. All exhibits must have been produced in a Missouri apiary of the exhibitor since the 1990 Fair. Dark honey may be a 1990 product but produced since the 1990 Fair. All exhibits must be under the direct management of the exhibitor. Premiums will be paid to Missouri exhibitors only.

5. No two exhibits of the same class shall be made by the same person or any member of his or her family, or from the same apiary. In the case of a company or partnership, the exhibitor shall be entered in the name of the firm or company.
6. A class tag must be on each entry.
7. Exhibitors of Honey Cookery must have recipe shown with the exhibit. The recipe must be correct. The foods may contain some sugar, but this must be stated on the recipe. Preference will be given the exhibits containing the least sugar, other things being equal.
8. Shallow Frame, Brood Frame, Cut and Section Comb honey should not be covered by an opaque covering on either side.
9. The exhibitor may place his name and address on his exhibit after the judging has been completed.
10. Signs on Apiary exhibits will be limited to 10" high x 14" wide in size.
11. Exhibitors may distribute honey recipes, bearing their name and address from their exhibit space.
12. Exhibitors will not be allowed to rearrange or remove any part of their exhibit, except bees which may be removed late in the evening to permit flight.
13. The judge will prepare a score card for each exhibitor in each class in both divisions, for the purpose of helping the exhibitor improve his or her exhibit.
14. Entries will be released at 8:00 p.m., Sunday, August 25 and must be claimed by 8:00 p.m., August 25, or they will be forfeited to the fair management.

Division A BEE CULTURE

Amount offered in this Division by State Fair \$400.00

Special: A Grand Champion Ribbon and \$25 will be awarded to the outstanding exhibitor in Apiary Products who has won the most premium money. In the event of a tie the Grand Champion Ribbon and money will be awarded to the exhibitor who has won the most blue ribbons. Further ties will be broken by proceeding to the next lower ribbon until a winner is determined.

HONEY

Individual Classes

1. Display of Apiary Product, including bees in one frame observation hive, (one 5 3/8" or 6 1/4" frame of honey permitted above if desired) beewax and at least 150 pounds of honey. Must include classes 2 to 14. Exhibitor has the privilege of pyramiding exhibit. The winner will be determined by the most total points accumulated on the score sheet in Classes 2-14. In the event of a tie the winner will be determined by exhibitor who has won the most blue ribbons in Classes 2-14. Further ties will be broken by proceeding to the next lower ribbon until a winner is determined.

\$40 \$35 \$25 \$15

2. Store display for retail outlets of a permanent nature. May be displayed on 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 \$20 \$15 \$12 \$10 \$8

3. Display of light extracted honey in standard honey jars, assorted sizes, 25 to 50 pounds.

\$12 \$10 \$9 \$8 \$7 \$6

AGRICULTURE/APICULTURE

Ed's Note: These are last year's rules. There are 1992, but changes for them and the wait form in the next changes for them. (And entry coming soon.) Bill is, IL, Columbia, MO

- 4 Cut comb honey in plastic boxes, all sides visible. Six packages of approximately one pound.
\$12 \$10 \$9 \$8
- 5 Round or square section comb honey, six packages, with top and bottom of comb visible.
\$12 \$10 \$9 \$8
- 6 Light bulk comb honey, six 2 or 2 1/2 pound jars
\$8 \$7 \$6 \$5
- 7 Dark bulk comb honey, six 2 or 2 1/2 pound jars
\$8 \$7 \$6 \$5
- 8 Light extracted honey, six 1 pound jars
\$10 \$8 \$6 \$5 \$4 \$3 \$2 \$1
- 9 Dark extracted honey, six 1 pound jars
\$10 \$8 \$6 \$5 \$4 \$3
- 10 Sealed honey, white, brood size frame (9 1/8" x 17")
\$7 \$6 \$5 \$4
- 11 Sealed honey, white, shallow-depth honey frame (5 3/8" or 6 1/4" x 17")
\$7 \$6 \$5 \$4
- 12 Candied honey, six 2 pound jars, produced in 1990-1991
\$7 \$6 \$5 \$4

BEES AND BEESWAX

- 13 Yellow Beeswax, 3-pound cake not over one year old
\$6 \$5 \$4 \$3
- 14 Queen and her bees, with emerging brood, in one-frame observation hive. One 5 3/8" or 6 1/4" frame of honey permitted above bees if desired. Identification of Race preferred.
\$13 \$10 \$8 \$7

Division B

APICULTURAL PRODUCTS

Amount offered in this Division by State Fair \$78.00

15. Art designs in beeswax, 1 to 3 items of molded or sculptured beeswax.
\$20 \$15 \$10 \$5
- 16 Beeswax Candles, six candles that are either molded or dipped. Minimum length of 10 inches.
\$10 \$8 \$6 \$4

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 \$25 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.

Division C

HONEY, GROUP COMPETITION

Amount offered in this Division by State Fair \$346.00

Class

- 17 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.

- 18 Display of light extracted honey in standard honey jars, assorted sizes, 25 to 50 pounds.
\$25 \$20 \$15 \$12 \$10 \$8
\$12 \$10 \$9 \$8 \$7 \$6
- 19 Cut comb honey in plastic boxes, all sides visible. Six packages of approximately one pound.
\$12 \$10 \$9 \$8
- 20 Round or square section comb honey, six packages, with top and bottom of comb visible.
\$12 \$10 \$9 \$8
- 21 Light bulk comb honey, six 2 or 2 1/2 pound jars
\$8 \$7 \$6 \$5
- 22 Light extracted honey, six 1 pound jars
\$10 \$8 \$6 \$5 \$4 \$3 \$2 \$1
- 23 Dark extracted honey, six 1 pound jars
\$10 \$8 \$6 \$5 \$4 \$3

Division 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 Foods 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

- 24 General display of uses of honey in preparation of bread, pastries, candies, also canning. (No open liquids.) Recipes attached.
\$20 \$16 \$12 \$8
- 25 Honey Fruit Cake, recipe attached
\$12 \$10 \$8 \$6
- 26 Light Honey Cake, recipe attached
\$10 \$8 \$6 \$4
- 27 Dark Honey Cake, recipe attached
\$10 \$8 \$6 \$4
- 28 Box of Assorted Honey Cookies, 1 pound (six kinds). Recipes attached.
\$10 \$8 \$6 \$4
- 29 Box of Assorted Honey Candies, 1 pound (six kinds). Recipes attached.
\$15 \$12 \$10 \$8
- 30 Loaf of Honey Whole Wheat Bread, recipe attached.
\$10 \$8 \$6 \$4
- 31 Loaf of Honey Quick Bread, recipe attached.
\$10 \$8 \$6 \$4

SCORE SHEET FOR JUDGING APIARY PRODUCTS

EXTRACTED HONEY

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

I. Degree of Density	0 or Disqualify	20 points
Above 18.6% moisture	10	
18-18.6	15	
17-18	20	
16-17	15	
15-16	10	
below 15		

AGRICULTURE/APICULTURE

2. Freedom from crystals 10 points
 3. Degree of cleanliness and freedom from foam 20 points
 4. Cleanliness and neatness of containers (clarity) 10 points
 5. Flavor and aroma 20 points
 - a. Absence of: Off-flavor, overheating, and fermentation
 6. Color 10 points
 7. Appearance and suitability of containers 5 points
 8. Accuracy and uniformity of volume 5 points
 - Total points possible 100 points
- CUT COMB HONEY AND BULK HONEY FRAME**
(Classes 4, 5, 10, 11, 19, 20)
1. Uniformity of appearance 20 points
 2. Absence of uncapped cells 10 points
 3. Uniformity of color 15 points
 4. Absence of watery cappings 10 points
 5. Cleanliness of section and frame (freedom from stain) 15 points
 6. Freedom from granulation and pollen 5 points
 7. Uniformity of weight 15 points
 8. Total weight of entry 10 points
 - Total points possible 100 points
- BULK COMB HONEY**
(Classes 6, 7, 21)
1. Neatness of cut 15 points
 2. Ragged edges, parallel cuts, four-sided cut, and uniformity of size of cut 20 points
 3. Absence of watery cappings, uncapped cells and pollen cells 15 points
 4. Cleanliness of product 20 points
 - a. No travel stain, specks of foreign matter, flakes of wax, foam and crystallization
 5. Uniformity of appearance 25 points
 6. Density, flavor and appearance of liquid part 20 points
 7. A. Density determined as #1 under extracted honey 5 points
 - Uniformity of volume 100 points
 - Total points possible 100 points
- CANDIED HONEY**
(Class 12)
1. Appearance, suitability, and uniformity of containers 10 points
 2. Color 15 points
 3. Crystallization (texture - smooth and fine) 20 points
 4. Firmness of set (not runny but spreadable) 20 points
 5. Absence of impurities, including froth, no blemishes 10 points
 6. Flavor and aroma 20 points
 7. Uniformity of volume 5 points
 - Total points possible 100 points
- BEE SWAX**
(Class 13)
1. Color, between straw and canary yellow (undamaged by propolis, iron stain, etc.) 30 points
 2. Cleanliness, freedom from surface dirt, honey and impurities 25 points
 3. Freedom from cracking, shrinkage and marks 15 points
 4. Aroma 15 points
 5. Texture (grain) 15 points
 - Total points possible 100 points

AGRICULTURE/HORTICULTURE

BEES IN OBSERVATION HIVE

(Class 14)

1. Bees; uniform color, size and correct type 15 points
2. Queen; age, size, shape, behavior and marking 20 points
3. Brood; compact pattern, show all stages 20 points
4. Variety; presence of queen, workers, drones, brood honey, pollen, etc. 15 points
5. Cleanliness and suitability of the comb 10 points
6. Appearance, cleanliness and suitability of observation hive 10 points
7. Correct number of bees for interest and ease of observation 10 points
- Total points possible 100 points

STORE DISPLAY

(Classes 2 and 17)

1. Attractiveness (pleasing and eye-catching) 20 points
2. Quality and variety of products in the display 40 points
3. Originality of arrangement 20 points
4. Sales appeal; display from which honey is sold 20 points
- Total points possible 100 points

ART DESIGN IN BEESWAX

(Class 15)

1. Color between straw and canary yellow 25 points
2. Cleanliness (free from honey and impurities) 25 points
3. Novelty of mold or sculpture 25 points
4. Neatness of workmanship 100 points
- Total points possible 100 points

BEE SWAX CANDLES

(Class 16)

1. Color between straw and canary yellow 25 points
2. Cleanliness (free from honey and impurities) 25 points
3. Freedom from cracking, shrinking and marks 25 points
4. Neatness of workmanship 25 points
- Total points possible 100 points

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Raleigh, N.C. 27610

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Package Bees

Extension Service **UPDATE**



USDA Interagency
Technical Working Group
on the
Africanized Honey Bee

United States Department of Agriculture

Apiculture Awareness

FEBRUARY 1992

VOL 5, ISSUE 2

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.

SOURCE: Florida Extension Beekeeping Newsletter, Volume 10, Number 2, February 1992. Dr. Malcolm T. Sanford, 0740 IFAS, Bldg 970, University of Florida, Gainesville, FL 32611-0740, TEL: (904) 392-1801, Ext. 143.

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@WSUVM1.BITNET.

INDUSTRY CALENDAR

ESA NORTH CENTRAL BRANCH	MAR 14-17, 1992	KANSAS CITY, MO
EASTERN APICULTURAL SOCIETY	JUL 27-31, 1992	GUELPH, ONTARIO, CANADA
WESTERN APICULTURAL SOCIETY	AUG 10-14, 1992	CORVALLIS, OR
INTERN'L WORKSHOP ON NON-APIS BEES	AUG 10-13, 1992	LOGAN, UT

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

Extension Service **UPDATE**



USDA Interagency
Technical Working Group
on the
Africanized Honey Bee

United States Department of Agriculture

Apiculture Awareness

MARCH 1992

VOL. 5, ISSUE 3

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.

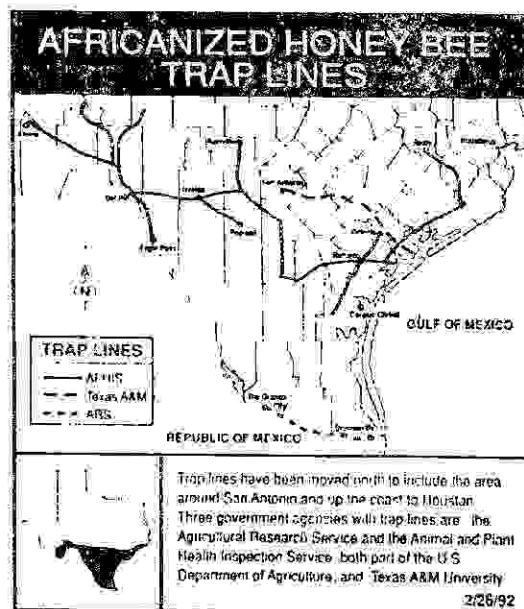
SOURCE: *Malcolm T. Sanford*, Extension Apiculturist, University of Florida, Gainesville, FL 32611-0740, tel. 904/392-1801, ext 143. Internet: MTS@GNV.IFAS.UFLEDU; Bitnet: MTS@IFAS.GNV.BITNET.

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)3325-2085.

MAP OF AFRICANIZED HONEY BEE TRAP LINES



Graphic: Agricultural Communications, Texas A&M System

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

19

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

INDUSTRY CALENDAR

EASTERN APICULTURAL SOCIETY	JUL 27-31, 1992	GUELPH, ONTARIO, CANADA
WESTERN APICULTURAL SOCIETY	AUG 10-14, 1992	CORVALLIS, OR
INTERN'L WORKSHOP ON NON-APIS BEES	AUG 10-13, 1992	LOGAN, UT
AMERICAN BEE RESEARCH CONFERENCE	SEP 19-22, 1992	COLLEGE STATION, TX
AMERICAN HONEY PRODUCERS ASSOC.	JAN ---, 1993	HOUSTON, TX
AMERICAN BEEKEEPING FEDERATION	JAN 20-23, 1993	KANSAS CITY, MO

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.

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James E. Tew, Ph.D., National Program Leader, Apiculture
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INTERNET: TEW.1@OSU.EDU

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 travel 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, Comumbia, Missouri, 65202, or Sharon Gibbons, 314 Quinmoor, Ballwin, Mo, 63011 no later than 6-25-92.
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 \$.95.

GIVE A BRIEF AUTOBIOGRAPHY_____

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

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

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

Saturday, October 10, 1992

9:00a.m. - 12:00p.m.	Dr. Larry Connor - Workshop Gary Ross - Workshop, Bee Diseases Joe Francka - Workshop, Mites Kim Flottum - Workshop, Controlling Stinging Insects
12:00p.m. - 1:30p.m.	Lunch
1:30p.m. - 4:30p.m.	Dr. Larry Connor - Workshop Gary Ross - Workshop, Bee Diseases Joe Francka - Workshop, Mites Kim Flottum - Workshop,

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FLORISSANT, MO. 63033

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