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EAS

EAS JOURNAL

Founded 1973

EASTERN APICULTURAL SOCIETY OF NORTH AMERICA, INC.

VOL. 9

NO. 3

JUNE, 1981

27TH ANNUAL EAS CONFERENCE

August 5-8, 1981

RUTGERS UNIVERSITY COOK COLLEGE CAMPUS

PROGRAM

Wednesday, August 5, 1981

REGISTRATION - Desk open 24 hrs./day (Housing Office)

Refreshments - (Student Union Center)

Dinner (Neilson Dining Hall)

Professional Apiculturists Society Meeting (Upstairs, Student Union)

Annual EAS Delegates Meeting (Upstairs, Student Union Center)

12:00 - NOON

6:00 - 7:00 p.m.

7:00 - 8:30 p.m.

8:00 - 9:00 p.m.

9:00 - 10:00 p.m.

Thursday, August 6, 1981

Breakfast (Neilson Dining Hall)

Call to Order - Dr. Radclyffe Roberts, EAS President (Hickman Hall)

Invocation - Rev. Augustine Hfiches, O.S.B., St. Paul's Abbey, Newton, N.J.

Welcome - Dr. Roger R. Locandro, Associate Dean, Cook College

"Using Bees for T.V. & Films Behind the Scenes" - Dr. Norman E. Gary, University of California (Hickman Hall)

Break - Coffee & Sweet Rolls (Hickman Hall)

"American Foulbrood Disease & Its Prevention" - Dr. H. Shimanuki, USDA, Beltsville, Maryland (Hickman Hall)

"Using Queens in Your Total Management Program" - Dr. Lawrence Connor, B.E.S., Cheshire, Connecticut (Hickman Hall)

Lunch - (Neilson Dining Hall) Rectangular Room

Ladies Luncheon and Fashion Show (Round Room, Neilson Dining Hall)

"Southern Beekeepers Conference" - Dr. John T. Ambrose, University of North Carolina at Raleigh (Hickman Hall)

Annual EAS Board of Directors Meeting (Student Union Center, Upstairs)

WORKSHOPS - held concurrently (Hickman Hall)

1. "All About Queens & How to Find Them" - Dr. Norman Gary, Univ. of California (Hickman Hall)

2. "Beeswax in Ukrainian Easter Eggs, Batik & Candles" - Dr. Robert Berthold, Delaware Valley College

3. "Pesticides & Bees" - Dr. Charles E. Mason, Univ. of Delaware

4. "Bee Beards" - Bob Harvey, Commercial Beekeeper, Elmer, N.J.

Barbecue Picnic at the Log Cabin - Mini-vans leave from Housing Office. (Lobsters and other seafood, as well as Beef and beverages, all accompanied by entertainment of 5 pc. Oompah band)

4:30 p.m.

(continued next page)

Friday, August 7, 1981

- 7:00 - 8:30 a.m. Breakfast - (Neilson Dining Hall)
 9:00 a.m. "Title to be Announced". Dr. James E. Tew. Agricultural Technical Institute, Wooster, Ohio (Hickman Hall)
 9:40 a.m. "Flowers, Bees & Evolution". Dr. Radclyffe B. Roberts. Prof. of Apiculture, Cook College, New Brunswick & EAS President
 10:20 a.m. Break - Coffee & Sweet Rolls (Hickman Hall)
 10:40 a.m. "Communication in Honey Bees - Truth in Sending?". Dr. Roger Hoopengartner, University of Michigan (Hickman Hall)
 11:20 a.m. Annual EAS Business Meeting - J.C. Matthienus, Jr., Presiding
 12:00 - 1:30 p.m. LUNCH - Neilson Dining Hall
 1:30 - 4:30 p.m. WORKSHOPS - held concurrently: (Hickman Hall)
 1. "Honey Cookery". Ann Harmon, Maryland Beekeepers Association
 2. "Chunk Honey". Al Delicata, Pres., Mass. Beekeeping Federation
 3. "Mead Making". Dr. Roger A. Morse, Prof. of Apiculture, Cornell University, New York
 4. "Assembling Equipment". Mr. John Barlow, Sales Manager, A.I. Root Company, Medina, Ohio
 5. "Bee Diseases". Jack Matthienus, Jr., N.J. State Apiarist
 6. "Mobile Honey House". Walt Wilson, N.J. EAS Director and Bee Inspector
 Buses leave Housing Office for Brower Hall for Banquet site
 Refreshments - Social hour preceding Banquet
 5:30 - 6:30 p.m. ANNUAL BANQUET - Brower Hall, College Avenue - Awards and Entertainment by speaker, Nate Repair
 6:30 - 8:30 p.m. Buses leave Brower Hall for return to Housing Office
 9:00 p.m. SOCIALIZING - Upstairs at Student Union Center

Saturday, August 8, 1981

- 7:00 - 8:30 a.m. Breakfast (Neilson Dining Hall)
 9:00 a.m. "EAS Student Apiculture Award Recipient". To be announced - (Hickman Hall)
 9:40 a.m. "James I. Hambleton Award Recipient". To be announced
 Break - Coffee & Sweet Rolls (Hickman Hall)
 10:20 a.m. "Maternal Kinship Recognition". Dr. Michael Burgett, Entomology Dept., University of Oregon (Hickman Hall)
 10:40 a.m. "Bees in an Urban Setting". John A. Root, Vice President, the A.I. Root Company, Medina, Ohio (Hickman Hall)
 11:20 a.m. Lunch (Neilson Dining Hall)

12:00 - NOON (GOODBYE - until we meet again August 4-7, 1982 at Morgantown, West Virginia)

EDUCATION SERVICE OFFERS WASHINGTON STATE PESTICIDE SET

A set of 80 full color slides developed by Dr. Ari Johansen, Washington State University as part of a pesticide applicators training program for SDA, is now available for sale from Beekeeping Education Service, P.O. Box 817, Cheshire, CT 06410.

The Johansen set is titled the "Importance of Bees as Pollinators and Prevention of Bee Poisoning by Pesticides". A list of annotated captions to be used with the set is included. The major areas covered are: importance of Pollination; Symptoms of Poisoning; Major Factors Involved in Poisoning; and Prevention of Poisoning.

The set uses actual photographs and art drawings to get the point across. One key photograph is one showing PennCap-M capsules on the hairs of a honey bee.

The set sells for \$64.00, but is offered for a limited time for \$52.00. Orders should be sent to Beekeeping Education Service.

The set is suitable for adult groups of beekeepers and non-beekeepers interested in pesticide application and/or environmental protection. It is excellent for use at garden clubs, 4-H and FFA programs, etc.

With the termination of the pesticide indemnity program, it is important for beekeepers to prevent bee kills before they happen.

1981 EAS Revised General Rules For All Shows

- All entrants, whether or not they attend the conference, must be a member in good standing (paid membership) of the Eastern Apicultural Society.
- Only one entry in each class may be made by an individual.
- Identifying labels on entries are forbidden.
- Entries can be registered Wednesday 8-9 p.m. and Thursday 8 to 9:30 a.m.
- No commercial products or displays.
- No same entry, can be submitted again for three years.
- The decision of the judges in all cases will be final.
- All entries must have been produced by the exhibitor.
- Prize ribbons will be awarded to the top winners in each class, however, all winners must score a minimum of 80 points.
- A Sweepstake awards will be made on the basis of the cumulative score obtained by individuals participating in the show. The highest total number of score points accumulated by one individual will obtain the sweepstake prize.
- A Best of Show Award will be made to the most outstanding entry determined by a committee of judges considering all first place winners as a group.
- Sectional grand prizes will be awarded to the Blue Ribbon winner in each section having the highest accumulated points in the section, provided the number of section entries is five (5) or better.

HONEY SHOW RULES

To establish color grade, the total number of entries will be divided into four classes (Class 1 - Class 4).

CLASS 1* Three 1-lb. jars of extracted, Light Amber.
 CLASS 2* Three 1-lb. jars of extracted, Light Amber.

- CLASS 3* Three 1-lb. jars of extracted, Amber.
 CLASS 4* Three 1-lb. jars of extracted, Dark.
 CLASS 5 Three packages of Cut Comb Honey, 4" square.
 CLASS 6 Three 16 oz. jars of Creamed Honey
 CLASS 7 Three 16 oz. jars of Chunk Honey
 CLASS 8 One frame (unwired) Cut Comb Honey
 CLASS 9 One frame of Extracted Honey.
 CLASS 10 - 3 sections of Rectangular Comb Honey
 CLASS 11 3 sections of Circular Comb Honey
- Entries in Classes 8, 9, and 10, must be displayed in bee-proof containers having both sides made of transparent glass or plastic.
 - Entries in Class 5 must be in window cartons or wrapped individually in transparent plastic.
 - Colors of honey in Class 1 through 4 will be determined by the Official Grading Committee.
 - All entries must be the product of the entrant's apiary and have been produced during the period of 1980-1981.
 - Entries in Classes 1 through 4 (marked *) must be in Queen Line type glass jars.

SECTION 1 - EXTRACTED HONEY

Class - 1 - 2 - 3 - 4

5 Ribbons per class

Maximum Points

- SCORING OBJECTIVES: Extracted Honey
- Density (water content above 18.6% and below 15.5% will be disqualified)
 - Absence of crystals
 - Cleanliness
 - Without lint (7)
 - Without dirt (10)
 - Without wax (7)
 - Without foam (6)
 - Flavor (points will be reduced for honey flavor that has been adversely affected by processing)
 - Container appearance
- Total
- 30
10
100

SECTION 2 - CREAMED HONEY

Class - 6

3 Ribbons per class

- SCORING OBJECTIVES: Creamed Honey
- Fineness of crystals
 - Uniformity and firmness of product
 - Cleanliness and freedom from foam
 - Flavor
 - Points will be reduced for honey flavor that has been adversely affected by processing
 - Disquality for fermentation
 - Accuracy of filling, uniformity of entry
- total
- 30
25
15
10
10
100

SECTION 3 - CHUNK HONEY

Class - 7

3 Ribbons per class

- SCORING OBJECTIVES: Chunk Honey
- Neatness and uniformity of cut
 - Up-grade for parallel and 4-sided cuts
 - Down-grade for ragged edges
 - Absence of water cappings, uncapped cells and pollen
 - Cleanliness of product (down-grade for travel stain, foreign matter, wax flakes, foam & crystallization)
 - Uniformity of appearance of capping structure and color and thickness of chunks.

EAS JOURNAL

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 E.A.S. Journal \$2.00 Membership in E.A.S. Single \$3.00 Couple \$4.00 Family \$6.00 Commercial Membership \$50.00 Beekeeper Assoc \$25.00 individual Life Membership \$100.00 Membership will include a subscription to the Journal

5. Density and flavor of liquid portion of pack.
- Density (Water content above 18.6% and below 15.5% will be disqualified).
 - Flavor (points will be reduced for honey flavor that has been adversely affected by processing)
 - Disqualify for fermentation

Total 100

SECTION 4 - COMB HONEY
Classes 8-9-10-11 - 3 Ribbons per class

- SCORING OBJECTIVES:** Comb Honey, Section 8
- Frame Honey
 - Uniformity of appearance
 - Absence of uncapped cells
 - Uniformity of color
 - Absence of watery cappings
 - Cleanliness of product & absence of travel stain
 - Freedom from granulation and pollen
 - Uniformity or weight of each section (except bulk frame)
 - Total weight of entry

SECTION 5 - CUT COMB HONEY
Class - 5
3 Ribbons per class

- SCORING OBJECTIVES:** Cut Comb Honey
- Neatness and uniformity of cut, absence of liquid honey.
 - Absence of water cappings, uncapped cells and pollen
 - Cleanliness of products, absence of travel stain, crushed wax and crystallization
 - Uniformity of appearance (color of honey, capping structure, thickness of combs)
 - Uniformity of weight
 - Total weight of entry

SECTION 6 - MEAD SHOW
Classes 1-2-3 - 3 Ribbons per class

GENERAL - All wines should have been made by the exhibitor by the process of fermentation.

BOTTLES - Wines should be exhibited in clear (not frosted) white (not tinted) glass punted (recessed bottom) wine bottles of approximately 26 fluid ounces capacity. Bottles should have rounded shoulders and not the long, sloping shoulders as found containing most Reisinger or Rhine wines. The white glass French Sauterne type bottle with a shallow punt is satisfactory.

CORKS - Natural cork stoppers should be used. They may be drive straight corks, or flanged and hand applied. All cork flanged stoppers, available in wine supply stores, are excellent. Corks may be wired for traveling.

LABELS - A tag tied around the neck, indicating the class, exhibitor's name or number and a description of the wine is appropriate, standard labels will be provided at the time of entry.

PRESENTATION - Wine bottles should be so filled that when the cork is pushed right home, the air space is between 1/4" and 1/2" in depth. Sparkling wines should have an air space of 1 inches to 1 1/2 inches.

AWARDS - Individual exhibitors may not make more than one entry per class and no single bottle may be shown in more than one class.

- Class 1 - Dry Mead, Honey only, one bottle only.
- Class 2 - Sweet Mead, honey only, one bottle only.
- Class 3 - Mead, Honey and Fruit, one bottle only.

SCORING OBJECTIVES: Mead

- Clarity
- Color
- Taste
- Body
- Bouquet
- Bottle
- Bottle Closure

Total 100

SECTION 7 - HONEY COOKING SHOW
(non-professional)
3 Ribbons per class

- Class 1 - Cookies - 1 dozen
- Class 2 - Cakes - One
- Class 3 - Bars/Brownies - 1 dozen
- Class 4 - Yeast Bread and Rolls - 1 loaf or 1 dozen
- Class 5 - Yeast Bread Fancy - 1 loaf
- Class 6 - Quick Bread (fruit and/or nuts optional) - 1 loaf
- Class 7 - Muffins (fruits and/or nuts optional) - 1 dozen
- Class 8 - Pie - one
- Class 9 - Candy - 1/2 lbs. or 1 dozen

SPECIAL RULES:

- Entries must be accompanied by the recipe as used, written on 3" x 5" cards in triplicate
- At least 25% of the sweetening agent must be honey.
- Entries will be exhibited as received. Plates will not be furnished by the Show Committee.
- Pie crust will be judged on appearance - i.e., not burned or broken up, etc.
- If entry is not within policy, it may not be judgeable.

- SCORING OBJECTIVES:** Baked Goods
- General appearance
 - Flavor
 - Texture, grain, moisture, uniformity of color
 - Lightness

Total 100

SECTION 8 - CRAFT SHOW
3 Ribbons per class

- Class 1 - Sewed Items Related to Beekeeping
- Class 2 - Other Items Related to Beekeeping
- SCORING OBJECTIVES:** Crafts
- Originality
 - Workmanship
 - Attractiveness

Total 100

SECTION 9 - GADGET SHOW
4 Ribbons per class

- All entries must be accompanied by a typed or written explanation.
- This is to be used in scoring by the judges
- Class 1 - All items
- SCORING OBJECTIVES:** Gadget Show
- Explanatory
 - Practicality
 - Ease of Reproduction
 - Help to Beekeeping

5. Originality 15
Total 100

SECTION 10 - BEESWAX SHOW
3 Ribbons per class

- Class 1 - Single piece, pure beeswax, 1 lb. or more.
- Class 2 - Beeswax candles, dipped, - 1 pair.
- Class 3 - Beeswax moldings (including candles)

SPECIAL RULES:

- All entries must be composed of 100% Beeswax
- SCORING OBJECTIVES:** Beeswax
- Color and odor (straw, canary yellow or lemon yellow color desirable).
 - Cleanliness, freedom from propolis, honey and other impurities.
 - Uniformity of appearance
 - Freedom from cracking, blemish and shrinkage

Total 100

1981 EAS Honey Show Policy

The purpose of the 1981 EAS Honey Show is to provide a competitive forum directed toward improvement of the products of beekeeping. This policy statement is directed toward establishing guidelines to clearly define the rules for attainment of this purpose.

As the show is to be a competition, it is fundamental that all participants know in advance the judging criteria for each class. All judging must be confined strictly to these published criteria.

A sub-committee will be charged with the responsibility for drafting detailed criteria for judging each class, and a second sub-committee charged with responsibility for disseminating information relating to these rules.

Judges chosen to officiate will adhere to this policy, and confine their activity only to the specific rules. The rules sub-committee will develop all rules to reflect skill of the participant.

Items over which the contestant has no direct control will be deemphasized. This is best illustrated by honey color and flavor. Natural flavor or color will not affect scoring. But, alteration of either in handling by the beekeeper will adversely affect the score.

As the competition classes established for this show may not satisfy all potential exhibitors, the following procedure is provided for additional classes:

- Participants desiring a new class must assure a minimum of five (5) entries.
- A set of judging rules must meet the basic show policy, must be agreed to by the class contestants, and must be submitted to the judging committee not less than 30 days in advance of the show.

EAS MEETING SCHEDULE

- 1981 MEETING**
Rutgers University, New Brunswick, N.J. - August 5-8.
- 1982 MEETING**
West Virginia University, Morgantown, West Virginia - August 4-7.

EAS CONFERENCE

The 27th Annual EAS Conference, August 5-8, 1981, presents a honey of an opportunity for beekeepers. EAS members from North Carolina to Quebec, and as far west as Ohio will gather on the campus of Cook College (Rutgers University), New Brunswick, New Jersey to hear bee experts from across the nation speak on everything from the use of bees by the film industry, to how a bee knows its mother. For three days, these beekeepers will talk about bees, hear about bees, learn about bees and perhaps, even dream about bees.

Direction signs will be posted in key spot locations of all major roads leading to Cook College. Please look for them. Bulletin boards with message exchanges will also be located in all buildings used for the Conference. Parking is available at each housing area. But six mini-vans (15 passenger), will circulate throughout the campus to provide transportation from housing to meals, to lectures, etc.

Some recreational facilities will be provided (no swimming). Paddle ball and Tennis courts are available. Please bring your tennis racket. There is a recreation room upstairs in the Student Union Center will billiard, ping-pong tables and electronic games.

Child care will be provided for children 3 to 12 years of age under the supervision of a Registered Nurse from 9 a.m. to noon and from 1:30 to 4:30 p.m. An additional charge for babysitting services of \$2 per hour, per child will be assessed upon registration. A children's program has been formulated to hold the interest of your child.

Each morning there will be a series of lectures by renowned authorities on bees. Afternoons will be spent participating in workshops and how-to sessions, covering everything from assembling equipment and protecting bees from pesticides, to the making of mead (honey wine), and Ukrainian Easter eggs.

There will even be a demonstration of bee beard styles for the more adventuresome. Living colonies of honey bees, and their cousins, the yellowjacket wasps and white faced hornets will be on display. An exhibit of EAS memorabilia from previous EAS Conferences will be displayed. A welcome banner with EAS logo will be displayed at the Housing office.

The housing office will be the main headquarters for registration and it will be manned 24 hours a day. College students will be available to answer questions and to carry registrants luggage to their housing quarters.

For those who would like to learn the fundamentals of beekeeping, or those who wish to update their skills, Dr. Dewey Caron has organized a 3-Day beekeeping short course to be held in the Food Science Building. The course will begin Monday, Aug 3rd, and end Wednesday, when the EAS Conference begins. Instructors will be: Dr. Dewey Caron (MD), Dr. Clarence Colison (PA), Dr. Robert Berthold (PA), Dr. Lawrence Connor (CT) and Jack Metthenius, (NJ). The course is geared for the beginner and the advanced beekeeper. The fee is \$35, and the college can furnish room and board at reasonable costs.

Certification for the Master Beekeepers Program will be introduced at this Conference. The Program is to certify qualified beekeepers to provide assistance and help educate beginners, or to serve in other capacities in the community as

(continued on next page)

expert beekeepers. Certification will qualify them to teach others. Testing will take place during the day, Wednesday, August 5th. To receive a flyer and application form before the June 5th deadline, write to: Mrs. Liz Rodrigues, 157 Five Point Rd., Colts Neck, N.J. 07722. Dr. Roger Morse, Dr. Dewey Caron and Dr. Clarence Collison will supervise the testing.

The Ladies Luncheon will be a sit-down dinner, with table favors. By popular demand, a Ladies Fashion Show with bee-related items will be featured in conjunction with the luncheon, in the Round Room of Neilson Dining Hall. The only rules are that the items entered in the Fashion Show have to have been made by the contestants. The categories are: Dresses & gowns, Sportswear, Accessories and Bee Bonnets. Ribbons and prizes will be awarded to the top three winners in each category.

A refreshment hour will precede the Barbecue early Thursday evening at the Log Cabin. No need to drive your cars. Mini-vans will provide transportation there. A picnic meal consisting of charcoal roasts of beef, lobster and other seafood, washed down with a variety of beverages will be accompanied by an old-fashioned 5 pc. Oomph band.

A refreshment hour will precede the annual Banquet held in air-conditioned Brower Hall. Buses leaving at frequent intervals will transport conferees from the housing office to the Banquet site. No table favors will be distributed at the Banquet this year. Instead, an attractive coffee mug with EAS logo will be distributed at the registration desk to each adult who has registered for the full, 3-Day conference. Awards for Honey, Honey Cookery, Mead, Gadgets, Beeswax and bee-related Crafts will be presented to the top winners in each category. Entertainment will be a humorous banquet speaker.

The 1981 EAS Honey Show rules have been completely revised. Contestants should review the new rules which will be published in the June and July EAS Journals. Silver trays and bowls, one EAS Sweepstake award and a Best-in-Show award will be awarded this year. All entries will be entered and displayed in ground floor rooms at Hickman Hall.

There are no Competes within a 20 mile radius of Cook College Campus. Those interested in campground information should contact their local KO agent and make reservations far in advance of the pre-registration deadline of July 15th. The cost of children's meals will be the same as adults. Meals are varied to provide sufficient quality and quantity meal portions for vegetarians.

During the EAS Conference, there will be many opportunities to renew friendships and/or meet newcomers. A large lounge, accommodating more than 100 people is located upstairs in the Student Union Center. The recreation room is located there also, as are the meeting rooms for the Professional Apiculturist Society, Delegates and EAS Board of Directors.

An information Brochure will be included in the centerfold of the April and June EAS Journal as a pull-out sheet. No beekeeping short course or SAS Conference pre-registration forms will be included in the EAS Journal this year.

Those interested in taking the 3-Day beekeepers short course are to write to the address below if they would like to receive a flyer, with course and registration details. If you are planning to attend the '81 EAS Conference (whether it be for 1, 2, or 3 full days), please write for pre-registration forms to: Mrs. Norma Wanson,

UC BEES FORMED: PESTICIDE PRESS PACKET FOR SALE

In face of potential defoliation of 800,000 acres of Connecticut forests and the treatment by private property with Sewin to control Gypsy Moth caterpillars, three Connecticut beekeeping associations have formed United Connecticut Beekeepers, or U.C. Bees.

The purpose of U.C. Bees will be to supply positive, factual information about bees, beekeeping, pollination and pesticides to the general public. The group has already prepared several press releases and radio tapes and distributed them to Connecticut radio and TV stations and weekly and daily newspapers. In addition, a 10 page press packet has also been distributed widely. This packet discusses the causes of pesticide problems to honey bees, and what can be done to prevent or minimize such losses. A section deals with proper reporting of losses and how to build colonies back up after a loss to pesticides.

U.C. Bees is funded by donations from the Connecticut Beekeepers Association, the Eastern Connecticut Beekeepers Association, and the Middlesex County Beekeepers Association, and by private beekeeper donations. Money may be sent to U.C. BEES, 19 Seminole Ave., Hamden, Conn. 06518.

U.C. Bees is also making the press packet available for sale. Prepared by Consultant, Dr. Larry Connor, this packet is priced at a donation of \$3.00, or 5 packets for \$10.00. Larger discounts are available. The packets may be obtained from: Dr. Larry Connor, Beekeeping Education Service, P.O. Box 817, Cheshire, CT 06410 Phone 203-271-0155. Please make checks payable to: UNITED CONNECTICUT BEEKEEPERS.

REPORT YOUR CHANGE OF ADDRESS

If you have moved, are planning to move, or the Post Office has changed your mailing address, please report your change of address to the EAS Secretary as soon as possible. I have had a lot of problems with this the past year.

All too frequently, when a person has moved without forwarding their new address to me, with the next mailing of the EAS Journal, the Post Office returns the Journal to me with a notation, "not forwardable as addressed", charge me a 25 cent penalty fee, but do not provide me with the new address. It is your Post Office (hometown) that is responsible for this lack of information.

Other times, the Post Office will forward the persons mail up to the one-year period, with no indication to me that there has been a change of address; but after the one-year forwarding time has expired, only then will they notify me the forwarding time has expired, and I still don't get the new address, but have to pay the 25 cent charge anyhow. It gets very frustrating to pay the Post Office 25 cents per person for this information, which is no information at all because I still don't know the individuals new address. During the year of 1980 over \$50 was apid in these penalty fees. I regret that because of this lack of information, I had to remove all of the "unforwardables" of the EAS Journal's general mailing list.

If you know of any EAS member who has moved, but who is not now receiving their EAS Journal, please ask them to forward their new address to me.

Liz Rodrigues, EAS Secretary

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THE BEHAVIOR OF THE WAX MOTH LARVAE

As a follow up to their earlier study on the behavior of adult wax moths, R.A. Neilsen and C.D. Brister have looked at the behavior of the immature, "worm" like larvae of the wax moth. They found that newly emerged larvae eat honey within their first hour out of the egg, and this food is important to their survival. The tiny larvae move very rapidly for their size, averaging about 17 minutes to move (32.8) feet. They successfully negotiated a tube 50 meters (164 feet) long between 2 vials of food.

Many larvae leave the colonies where they hatch and migrate to other colonies in an apiary. The larvae preferred warm combs (32C) to cooler ones (22c) and did not infest decay hives containing combs. Neilsen and Brister suggest a unique idea to prevent damage to stored combs: house a colony of bees (with an outside entrance) in the comb storage area where the temperature is kept at 22C (72F). The wax moth larvae would migrate to the colony where they would nearly all be killed by the defense system of the colony.

The research was reported in the annals of the Entomological Society of American for November, 1979.

From: Bees and Honey,
Univ. of Ill., June 1980

EAS JOURNAL

Advertisements and material for publication should be received by the 15th of the month previous to publication: Feb., April, June, July, October, December.

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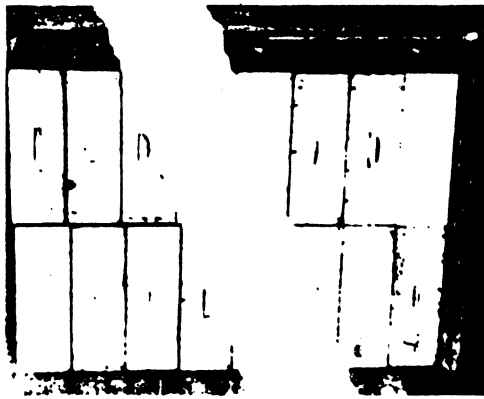
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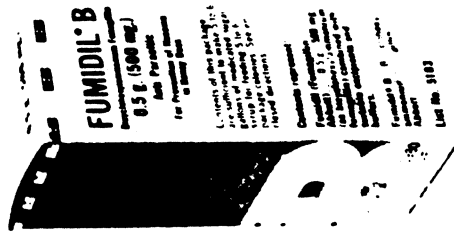
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