

honeybees than other varieties. Some growers are compensating for this with the use of gibberellic acide to chemically pollinate blueberry bushes showing poor pollination. Berries have no seeds, ripen a few days later, and are slightly smaller than bee pollinated berries, but quality is good.

A wild bee that specializes in blueberries was located in studies in Connecticut and Cape Cod several years ago. The bee, *Colletes validus*, is active only when blueberries are in bloom, spending the rest of the year underground. Researchers hope to introduce the bee into more blueberry states.

A product made primarily of milk and sugar is being tested as a way of attracting bees to crops on which it is sprayed. The wettable powder can be applied simultaneously with fungicides, but not with insecticides or herbicides. Applied at mid bloom it is effective for five days and then must be applied again. Results have been promising on several fruit and vegetable crops.

Most growers, rather than resort to chemical means, will simply increase the number of hives per acre to improve pollination. Normally, one colony per acre is sufficient. Hives can be rented. While rental costs have increased in recent years, because honey is now more profitable for beekeepers than renting out their hives, Oregon researchers find that each dollar invested in bee rental fees returns \$66 to growers in yield increases.

Honeybees were so hard hit by the 1976 drought in California that honey production there dropped 42%, lowering the state from number 1 in honey production to number 4. The lack of water to produce blossoms was responsible for the reduction in pollen gathering by bees. Bees also need water to "air condition" their hives, to dilute stored honey

before bees eat it, to produce royal jelly, to prevent dehydration of body tissues, and to ingest pollen grains before swallowing them.

In sharp contrast to the effects of drought on bees are the hardships of winter. Bees must get out of the hive periodically during mild winter weather to rid themselves of wastes, or they may develop Nosema, an intestinal disease. In addition, bees may freeze to death in bitter cold or not be able to find enough to eat.

Researchers recommend winter sites have a maximum of sunlight and good water and air drainage. Hives can be wrapped in black paper with straw or leaves placed over the inner cover. The black paper helps warm the hive on days in January through March when bees might otherwise not have a flight.

If all this weren't enough, there are two other threats to bee survival today. Reports of thefts in the top honey states of California and Florida have been growing. Authorities estimate losses up to \$500,000 annually in each of the two states. Beekeepers are branding their hives, setting up patrols, and offering cash rewards for information in efforts to combat the thefts.

And in North Carolina beekeepers face a more formidable problem - the Eastern black bear. The bears damage hives in efforts not to get at honey but at the young bees at the bottom of the hive. Beekeepers can legally shoot a robber bear only if it is caught in the act.

Future E.A.S. Conferences

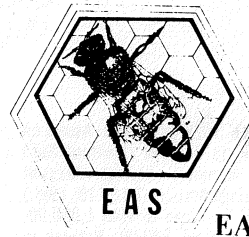
Carlton College, Ottawa, Canada - 1979

Univ. of Vermont - 1980

Rutgers Univ., New Jersey - 1981 (if approved)

EAS JOURNAL
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EAS JOURNAL

EASTERN APICULTURAL SOCIETY OF NORTH AMERICA, INC.

JULY, 1978

EAS ANNUAL CONFERENCE - AUGUST 9-12, 1978

Tentative Program

WEDNESDAY, AUGUST 9, 1978

1:30- 4:30 p.m.	Registration - Lowry Center
5:00- 6:30 p.m.	Dinner-Cafeteria, Lowry Center
7:30 p.m.	Delegates Meeting, Faculty Lounge, Lowry Center
8:00 p.m.	Square Dance, Sing-Along, and Variety Show - Lowry Center. Master of Ceremonies: Don Cooke.
9:00 p.m.	Directors Meeting, Faculty Lounge, Lowry Center

THURSDAY, AUGUST 10, 1978

7:00- 8:00 a.m.	Breakfast - Cafeteria, Lowry Center.
8:45 a.m.	Organ - McGaw Chapel: Marilyn Rossiter
9:00 a.m.	Call to Order: John Root, President, E.A.S.; Vice-President A.I. Root Company. Invocation: The Reverend Paul Varner. Welcome: Richard Osborne, President Ohio Beekeepers' Association. Welcome: Dr. Roy M. Kottman, Dean, College of Agriculture and Director, The Ohio Agricultural Research and Development Center. "The Contribution of Bees to Crop Production and the Environment", Dr. E. C. Martin, National Program Staff, U.S.D.A., Beltsville, Md. Break. "The Honey-Bee Biological Clock", Dr. John A. Kefuss, Toulouse, France. Professional Apiculturists Meeting, Building 16, Room 225; OR Ladies Luncheon, Buses load from 10:30 to 11:15 at McGaw Chapel. Speaker: Mr. John E. Ford, Curator, Secrist Arboretum. Topic: Secrist Arboretum - Its Treasurers and Secrets, Old and New." OR Movies in McGaw Chapel: (1) "USDA Movie on African Bees" (2) "Mathematics of Honey Comb".
9:30 a.m.	
10:00 a.m.	
10:30 a.m.	
11:00 a.m.	
11:45-12:45 p.m.	Lunch - Cafeteria, Lowry Center.
1:00 p.m.	Presiding: C.A. Divelbiss, E.A.S. Vice President. Informal Slide Show - McGaw Chapel or Mraz Video Type on "Bee Venom Therapy" in Library. "Ohio Honey Festival", Charles A. Fisher, Vandalia, Ohio. "Report from Apimondia", Charles A. Divelbiss, Mansfield, Ohio. Leave for Root Company Tour and Workshops in Medina, Ohio. Buses leave from McGaw Chapel. Workshops: Organized by John Caulk. 1. "Cobana Honey Production." Mr. Barry Semegram. 2. "Package Bee Installation". Mr. Victor Thompson.
1:15 p.m.	
1:30 p.m.	
1:55 p.m.	

(continued on page 3)

**SPRING BOARD OF DIRECTORS MEETING
WOOSTER, OHIO
APRIL 8, 1978**

President, John A. Root requested a moment of silence in memory of Mrs. Marie Morse, EAS Treasurer-Historian who died on February 14, 1978.

The meeting was called to order at 8:45 a.m.

ROLL OF OFFICERS - John A. Root, Pres., Ohio; C.A. Divelbiss, 1st Vice Pres., Ohio, R.E. Ross Hopkins, 2nd. Vice Pres., Ontario, Canada; Mrs. Liz Rodrigues, Sec., N.J.; Dale F. Bray, Past Pres., Del.; K.G.A. Anderson, Past Pres., Mass.; Hugh J. Macleod, Past Pres., Ontario, Canada; Earl P. Cochran, Past Pres., West Va.; J.C. Matthenius, Jr., Past Pres. & Editor, N.J.; Arthur H. Dean, Past Pres., Penna.; Victor C. Thompson, Dir., Ohio; Riv J. Perry, Dir., Rhode Is.; Frank M. Fulgham, Jr., Dir., VA; John V. Lindner, Dir., MD; Anthony C. Melgey, Dir., Conn.; L. Lester Shimp, Dir. N.J.; David T. Hampton, Dir., Ontario, Canada; Clyde H. Hutchinson, Dir., West Va.; John J. Tardie, Alt. Dir., VT; Peter Bizzoso, Alt. Dir., L.I., N.Y.; Arthur C. Holmes, Life Membership, Chr., MD; and Richard W. Corrigan, Honey Show Chr., Mass. Also present were: John W. Buchanan, Ohio, Eunie Cochran, Sarah Hutchinson, Betty Corrigan, Jean Hopkins, Marge Perry, Doris Macleod, Estella Holmes, Betty Matthenius, Bert Lindner, Joanna Melgey, Mae Dean, Arlene Tardie and Art Rodrigues.

MINUTES - George Rigby requested his name be deleted from seconding the Ratification of Loan motion which was made at the Oct. 22, '77 Directors meeting. After correction, Earl Cochran made a motion, seconded by John Lindner that the Oct. '77 minutes be accepted. Motion carried.

REPORT OF OFFICERS - Secretary's Report - Liz Rodrigues, Secretary had no report to give at this time.

TREASURER'S REPORT - Riv Perry, Treasurer gave two financial reports which are condensed here: Full reports will be distributed to the Directors.

(1) **BALANCE DECEMBER 31, 1977:** Balance in Checking Account 303.84; (1st.) Life Members Savings Account 1,859.00; (2nd.) Life Members Savings Account 1,169.18; (3rd.) Life Members Savings Account 461.10; Regular Savings Account Balance 14,230.98; Loan to WAS 1,000.00; **TOTAL ASSETS** as of January 1, 1978 \$19,023.98.

(2) **ASSETS FROM JANUARY 1, 1978 to present:** Assets on Hand - April 8, 1978 Regular Savings Account (Hartford Nat'l Bank) 11,230.86; (1st.) Life Members Savings Account 2,359.00; (2nd.) Life Members Savings Account 1,169.18; (3rd.) Life Members Savings Account 461.10; Loan to WAS 1,000.00; Conference Advancement to John A. Root 500.00; Balance in Treasurer's Working Checking Account 923.18; **TOTAL ASSETS ON HAND** - April 8, 1978 \$17,643.32.

Jack Matthenius, Jr. made a motion, "That the Treasurer's Report to accepted, with many thanks to Riv Perry for doing such a fine job. Pete Bizzoso seconded. Mo. carried.

PRESIDENT'S REPORT - President, John Root reported that WAS has asked Dewey Caron to be a speaker for their upcoming August Conference, but that \$700. is needed for his expenses. After reasonable discussion, Earl Cochran made a motion, seconded by Jack Matthenius, "that we send Dewey Caron as an EAS representative speaker to WAS in August at EAS's expense." The motion was defeated when put to the vote.

POLLINATION SYMPOSIUM - The 4th. Pollination Symposium is to be held at College Park, MD October 11-13, '78. Dewey Caron asked if EAS could support this symposium by providing funds to be used for traveling expenses for one or more speakers. John Lindner stated the Maryland Beekeepers Assn. has designated \$200. for this project. It was mentioned that The Eastern Beekeepers Pollination Assn. which was formed but is now dormant, has about \$400. in its Treasury. A suggestion was made that possibly this organization might use their funds to assist with this symposium. No motion was made in regard to this matter, and no Board action was taken.

APIMONDIA - Apimondia has notified EAS that effective Jan. 1, '78, the annual dues paid by the U.S. to Apimondia will be \$600. annually instead of \$350. previously paid by both EAS and the ABF. After a long discussion, Earl Cochran made a motion, seconded by Ross Hopkins, "that EAS cancel its association with Apimondia." In the past EAS and ABF each paid \$350., which means U.S. has been paying \$700. annually. There is only one delegate from each nation to Apimondia.

The assessment fee of \$600 per year is based on 3,200,000 colonies of bees. It was mentioned the most we would get out of staying in Apimondia would be some prestige, or that we're supporting an International Association for beekeepers. The ABF has not dropped out of Apimondia. They have asked that something be done to try to change the 33% tariff in European economic community. In view of this directive, they have informed the President of Apimondia, that until they receive evidence of some concrete or specific action by Apimondia on this problem, that they, ABF cannot forward any further dues. The motion to drop out of Apimondia by EAS was defeated by 7 yes and 8 no votes.

Jack Matthenius made a motion we solicit the other major beekeeping organizations in the U.S. to get an idea as to what their feelings are, to get some input, and ask them to help share the U.S. payment of Apimondia dues. The motion was seconded by John Lindner, motion carried.

The Secretary will write to the organizations to find out how many of them are interested in sharing the dues, and decide who will represent the U.S. as a delegate to Apimondia. The situation will be assessed after we hear from the organizations. Jack Matthenius will give the report at the August 9th. Directors meeting.

CHAIRMAN OF THE BOARD - John Root reported that he was named Ad Hoc Chairman of the Board at the Oct. 22, '77 Directors meeting and is willing to continue in this position until his term as EAS President expires at the August Conference. He would like a Committee to be formed to find a replacement for him.

CHAIRMAN OF THE BOARD COMMITTEE - President Root appointed Hugh Macleod to serve as the Chairman of that Committee, to be assisted by Art Holmes and Riv Perry, and to come up with the functions of the Chairman of the Board. And

(continued on page 4)

of the opportunity to place in competition some of his end product in any honey show that he can, County and State Fairs, bee club shows, and he should not be discouraged because he did not get a first prize.

He should note all of the judges criticism, and compare his score card with the others to note his strengths and weaknesses so the next time he can do better.

The greatest and most enthusiastic huckster of honey is the hobbyist beekeeper and he is the one who should be the most fastidious about his end product.

The honey bee has done a perfect job and the beekeeper should strive to present the tools of her labor as perfect and attractive as humanly possible.

So on with the show. Bring some entries to enable you to brag and show the ribbons you won with the best honey around that you sell.

Submitted by: Dick Corrigan
1978 Honey Show Chairman, Mass.

White coveralls - \$3.25 each Fabric-like synthetic material for light duty use. Aluminum zipper. Very lightweight. Excellent protection. Guaranteed not to attract or irritate bees. Sizes S M L XL XXL. Include 50' for shipping. **V & V COMPANY - P.O. Box 101 Central Station, Jamaica, New York 11435.**

The Irreplaceable Bee

Bees -- one of the best "orchard management tools" a fruit grower can have -- are up against some insurmountable odds today. In the past several years bees have had to contend with drought in the West, severe winters in the East; misuse of pesticides, thefts of hives, and even bears. Statistics for U.S. honey production substantiate these problems. The 1977 production of 176 million pounds was 11% below that of 1976.

Pollination is the bees' greatest contribution to the fruit grower and, contrary to what many growers might think, the honeybee is not the most efficient pollinator. The non-apis bees -- those that do not make honey -- are far superior. Non-apis bees not only outperform honeybees, they also outnumber them. There are only four species of honeybees in the world, while there are 20,000 species of non-apis bees.

One of these non-apis bees -- *Osmia lignaria* -- has been found to be an excellent orchard pollinator. In California, almond trees pollinated by this wild bee more than doubled production of similar sized almond trees pollinated by honeybees. The size, shape, and quality of the nuts were the same, but *Osmia*-pollinated trees outyielded honeybee-pollinated trees by 251 in one test plot and 252% in another. Researchers attribute the

yield difference to the fact that *Osmia* works longer hours and under more adverse weather conditions.

Osmia nests gregariously, not in hives, and readily accepts manmade nesting materials so that sufficient numbers of bees can be set up to handle any size orchard. Its emergence can be timed to coincide with bloom period of a given crop. Because of *Osmia*'s short flight season and the fact that both males and females visit blooms and nest near the floral source, maximum pollination occurs over a short period of time, and therefore between insecticide operations.

This bee adapts to a wide range of environments and does not seem to be locked into a single pollen host. At present there is no commercial source of *Osmia lignaria*, but they are found from coast to coast and are easily captured and managed.

Extensive research is being conducted at a USDA laboratory in Logan, Utah, on *Osmia*, while a USDA lab in Baton Rouge, La., is attempting to breed for honeybee resistance to diseases, to solve problems of nutrition, and to assess effect of pesticides when bees pollinate treated crops.

In line with this a unique device to individually feed bees has been developed. At one time bees were actually hand fed, one by one. Now with the new feeding chambers, two people can feed 200 to 300 bees an hour.

Agricultural Research Service (ARS) research labs in Tucson, Ariz., and Laramie, Wyo., have developed a method of protecting bees before and after insecticide applications. Of 16 methods tested, the most effective one was a six-way combination of burlap covering, pollen-feeding, shade, top waterer, bottom board, and syrup feeding.

Burlap covering confines bees to the hive until 12 hours after insecticide application, while the pollen and water sustain them. Shade keeps the hive cool, while the bottom board which gives added room at the bottom of the hive, provides a clustering space for field bees at night, during heat waves, or confinement. The syrup is optional, as the colonies tested did not take it during most of the test.

This same experiment led to another use for the top waterer on the hive. Bees in hot desert climates often spend more time gathering water to cool hives than in filling combs with honey or pollinating crops. By placing a modified hive section containing 3 gallons of water on top of the hive, bees are able to get water without leaving the hive.

This water super is coated on the inside with beeswax to be watertight. A slight opening at the bottom is fitted with spongelike material that draws water into the section where bees take up water. The sponge serves as a place for bees to ingest water without drowning, and a float board is placed in the compartment in case the sponge overflows.

Growers and researchers are always seeking ways of improving pollination. Some varieties of blueberries, for example, are less attractive

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Published every other month at 109 No. Feltus St., South Amboy, N. J.

E.A.S. Journal \$2.00; Member \$3.00; Joint membership \$4.00*; Family Membership \$6.00*; Commercial Membership \$50.00*; Life Membership \$100.00*; Association Membership \$25.00*.

*Of which \$2.00 is subscription to Journal.

will be: Single person \$80.00 and for two persons occupying a double room \$150.00

If you have pre-registered, a packet containing meal tickets, name badge, program, and other material needed will be waiting for you at the EAS registration desk at Lowry Center.

CAMPERS: Two commercial camp grounds are within 20 minutes (8-15 miles) of Lowry Center. They are: Whispering Hills, Township Road 211, Shreve, Ohio (Phone: 216 496-2685) and Lake Wapasun, State Route 514, Shreve, Ohio (Phone: 216 567-2137). Make your own contacts and arrangements.

Self-contained units may park on the campus during the day, but a city ordinance prohibits their parking overnight. This is not rigidly enforced.

Wooster motels, addresses, and rates are listed below:

Wooster Inn (on campus) - a room with 2 twin beds: \$18.00-\$19.00.

Ramada Inn (Downtown Wooster) Phone 800-228-2828 US, 800 261-3232 Canada. Single: \$22.75, Double: \$26.50. Children 18 and under, no charge when in same room with parents.

L & K Motel (U.S. Routes 30 & 250) Phone: 200-447-4470, Local No. 216 264-9222. Single: \$17.00-\$18.00, Double: \$21.00-\$24.00. Children 18 and under, free when in same room as parents. (Motel rates higher in August).

Points of interest around Wooster include: Agricultural Technical Institute, Ohio Agricultural Research and Development Center with Secrest Arboretum, Kingwood Center (floricultural displays) at Mansfield (no charge), the Ohio State University Bee Laboratory at Columbus.

NEW PUBLICATIONS

H.A. Dade's book "Anatomy and dissection of the honeybee" was published by the Bee Research Association in 1962, and quickly became the standard textbook on the dissection of honeybees. It has been out of print for some years but now, with the upsurge of interest in bees and beekeeping, and their present significance in education, there is again a vigorous demand for the book.

The International Bee Research Association have therefore produced a facsimile reprint of the 1962 edition, which includes a five-page supplement of notes and corrections that take into account research work since 1962.

Part I outlines the anatomy of the honeybee and Part II deals with the practical methods of dissection. Appendices give instructions for making dissecting equipment.

The book is illustrated by twenty plates which can be unfolded for use when following the text in dissections, and by forty-one text figures. Almost all these are original diagrams drawn by the author from microscopical preparations.

"Anatomy and dissection of the honeybee" is now available, at a price of \$21.50 (postage and packing \$2.10), from International Bee Research Association, Hill House, Gerrards Cross, Bucks SL9 0NR, England. IBRA has produced a leaflet (X57) describing the book.

A new book for beekeepers who wish to become expert in the production of a delicious, natural product - virgin honey in the comb.

CONTENTS

What is Comb Honey?

Equipment for Comb Honey Production

Supers and Sections

The Apiary Site

Outline of Seasonal Management for Comb Honey Production

A Special Management Technique

Cut Comb Honey

Supering

Removing Comb Honey Supers

Fumigating and Packaging Comb Honey

Showing and Grading Comb Honey

Roger A. Morse is Professor of Apiculture at Cornell University where he has been a member of the faculty for over 20 years. A beekeeper for 40 years, Morse explains in clear, concise language how to master the little-known art of comb honey production.

For copies send a check for \$7.95 per copy, New York State residents add 7% sales tax. Send to: Wicwas Press, 425 Hanshaw Road, Ithaca, New York 14850.

THE END PRODUCT

The key to the success of any business is the quality and presentation of their finished product. As for the honey bee, she surely does an excellent job on the preparation of her product. But do you know what a good end product of a beekeeping operation is or looks like?

One of the best ways to find out is to participate in a Honey Show. In this way, you submit your end product to a panel of your peers for evaluation and comparison.

Most beekeepers ask an expert to get premium prices for their honey, but many only offer inferior honey trying to kid themselves that theirs is the best.

Over the years that I have conducted and supervised Honey Shows, I have seen people bring in honey for competition that was a disgrace, crystalized, bits of wax or propolis floating around, foam on the top, jars that were filled too full and honey leaking all over the jar which collected dirt and looked a mess, which it was. I have seen these same people sell this honey for premium prices.

If one should speak to them, they would get very indignant and end up telling you that it was the best honey they ever tasted.

Each hobbyist beekeeper should avail himself

EAS ANNUAL CONFERENCE

(continued from page 1)

3. "Candle Making". Dr. Robert Berthold.
4. "Swarming". Dr. John Ambrose.
5. "Candle Making!" Ms. Jody Semegram.
6. "Disease Inspection and Identification". Mr. Gordon Rudloff.

Cash Bar - Medina Fairgrounds.
Barbeque - Medina Fairgrounds

5:00 p.m.
6:00 p.m.

FRIDAY, AUGUST 11, 1978

- | | | |
|--------------------------------|------------------------|--|
| 7:00- | 8:00 a.m.
8:45 a.m. | Breakfast
Organ - McGaw Chapel: Marilyn Rossiter.
Presiding: Richard Osborne |
| 9:00 a.m. | | "The Hobbyist and Inflation", The Rev. Joe Stewart, First Baptist Church, Holyoke, Colorado. |
| 9:30 a.m. | | "Bee Research in Ohio", Dr. Jovan Kulinčević, Susan Grant, Nathan Drum, Walter Rothenbuhler, et. al. |
| 10:00 a.m.
10:20 a.m. | | Break.
"Two Opportunities That Come to An Urban Beekeeper", Charlie Duncan, Santa Monica, California. |
| 11:00 a.m.
11:45-12:45 p.m. | | Business Meeting - McGaw Chapel. Presiding: John Root.
Lunch. |
| 1:15 p.m. | | Presiding: V. C. Thompson, EAS Director from Ohio.
Informal Slide Show - McGaw Chapel, or Mraz Video Tape on "Bee Venom Therapy" in Library. |
| 1:30 p.m. | | "Wildlife by Day and by Night", Mr. Karl Maslowski, Internationally known nature photographer, Cincinnati, Ohio (sponsored by Southwestern Ohio Beekeepers Ass'n.) |
| 3:00 p.m.
3:30- 5:30 p.m. | | Break.
Workshops OR Movies OR Tour of OARDC Arboretum
Workshops at Agricultural Technical Institute, Private Cars, Maps provided. Organized by John Caulk. |
| | | 1. "Skep Making". Mr. Joe Gitta. |
| | | 2. "Making Mead". Dr. Roger A. Morse. |
| | | 3. "Dipping Candles". Mr. Art Dean. |
| | | 4. "Equipment Demonstration." A.T.I. Students. |
| | | 5. "Royal Jelly Production." Mr. John Caulk. |
| | | 6. "Living Bee Beard". Mr. Don Cooke and Mr. John Caulk. |
| | | OR Movies - In room at Agricultural Technical Institute. |
| | | 1. "Baobab: Portrait of a Tree" (52 minutes). |
| | | 2. "Mathematics of the Honey Comb" (12 minutes). |
| | | 3. "USDA Movie on African Bees" (20 minutes). |
| | | OR Tour of OARDC Arboretum - Private Cars to OARDC, Maps provided. |
| 6:30 p.m.
7:00 p.m. | | Fruit Punch Special - Lowry Center.
Banquet.
Speaker: Mr. Don Wolfe, Toledo, Ohio. |

SATURDAY, AUGUST 12, 1978

- | | | |
|---------------------------------------|------------------------|---|
| 7:00- | 8:00 a.m.
8:45 a.m. | Breakfast
Organ - McGaw Chapel: Marilyn Rossiter
Presiding: Mr. Ross Hopkins, President-Elect, EAS. |
| 9:00 a.m. | | "Chalk Brood," Dr. H. Shimanuki, Bioenvironmental Bee Laboratory, U.S.D.A., Beltsville, Md. |
| 9:30 a.m.
10:00 a.m.
10:30 a.m. | | Hambleton Award Recipient.
Break.
"Alarm Communication: A First Step in Colony Defense," Dr. Anita Collins, Bee Breeding Lab., U.S.D.A., Baton Rouge, La. |

(continued from page 3)

11:00 a.m.
9:00-11:30 a.m.

"Pollen and the Beekeeper," Dr. Tom Sanford, Ohio State University.
Movie Program for Children of Any Age, Building 16, Room 225.

1. "Beaver Valley" (32 minutes).
 2. "Moose Baby" (15).
 3. "Marvels of The Hive" (18).
 4. "Beautiful Birds of Ohio" (30)
 5. "Singing Frogs and Toads" (11).
 6. "Say Goodbye" (52).
 7. "Billion Dollar Marsh" (29) or similar movies.
- Lunch - Goodbye Until 1979.

11:45-12:45 p.m.

(continued from page 2)

that the Committee entertain suggestions from the rest of the Board to come up with somebody to replace John Root at the Annual Conference. C.A. Divelbiss said this is a very needed amendment which establishes an executive position and provides continuity, and would also lessen some of the responsibilities which have been placed on the President in the past. What is now being done, is that we are considering adopting ARTICLE 6, the printed sheets which were distributed to the Directors last night. This amendment would name a permanent Chairman of the Board in the By-Laws who would be elected for a term of 4 years.

Hugh Macleod made a motion, seconded by C.A. Divelbiss, "that we accept the amendment on ARTICLE VI (a copy is attached) on Officers of the Organization which will be incorporated into the By-Laws." Motion Carried.

SECRETARY-TREASURER - President, John Root reported that our Secretary, Liz Rodrigues has indicated that she would be willing to take on the additional responsibility of the office of Treasurer. Prior to the separation of the offices of Secretary-Treasurer, the record indicated the salary of \$900. was paid for the combined office per year.

K.G.A. Anderson made a motion, seconded by Jack Matthenius, "that we elect Mrs. Liz Rodrigues for the combined office of Secretary-Treasurer to serve in this capacity until the next Annual meeting, and to include compensation of expenses for both offices. The salary of the Treasurer's office will be prorated based on the figure of \$450. per year."

AUDITING COMMITTEE - Riv Perry, Chairman of the Committee had no report at this time.

SITES COMMITTEE - Dale Bray, Chairman reported in March, he, Jack Matthenius and Liz Rodrigues visited the Rutgers University proposed site for 1981. The prices projected for 1981 were very reasonable. The A.C. rooms are somewhat removed from the heart of the activity. The alternate would be to take non-A.C. rooms close by. Dr. Bray recommended that the Society approve Rutgers University as the N.J. Site for 1981 for Aug. 5, 6, 7, and 8th. The motion seconded by Ross Hopkins was carried.

ANTI-DISCRIMINATORY CLAUSE - Hugh Macleod stated that in conjunction with the filing of our Income Tax Report, Riv Perry in regard to the Religion, Sex, Race and Origin bit, the Government wants this clarified because the Federal People expects that this non-discriminatory clause to be placed in our By-Laws. Hugh Macleod made a motion, seconded by Art Holmes, "that we add the two words 'without discrimination' in Article 3 of the membership, section 1, 'the membership of this Society 'without discrimination' shall be, etc. . . . The motion was carried.

TREASURER'S COMPENSATION - John Root reported Riv Perry has been serving as the Treasurer during this time, and he would like to have a motion from the floor authorizing the prorated payment, (based on the \$450. figure) to Riv Perry, plus all of the expenses he incurred in changing the books over since Marie Morse's death. A motion to this effect was made by Hugh Macleod, seconded by Earl Cochran and was carried.

BY-LAWS - Hugh Macleod, Chairman stated that he has nothing further to report.

NOMINATING COMMITTEE - Jack Matthenius, Chairman reported that there are full openings for Directors this year from the following: Penna., Mass., Rhode Island, Vermont, West

Virginia, Maine and Quebec, Canada. Clyde Hutchinson is filling the unexpired term of Dr. Houck of West Va. Ross Hopkins recommended that Mervin J. Vaillancourt be recognized to serve as the Director from the French-speaking Province of Quebec, Canada. Both men's names will be included in the Slate of Officers to be presented and elected in August.

Jack requested that the Directors from each of the states where there will be changes, to notify him before the Aug. 9th. date, so that the slate of officers can be made up.

LIFE MEMBERSHIP COMMITTEE - Art Holmes, Chairman reported there are 33 Life Members and that Riv Perry has called to his attention the fact that one of the Certificates of Deposit is expiring. He has recommended Riv get another one to replace it at the highest rate of interest, but for the shortest period of time, which is six (6) years.

RIBBONS - President, John Root has discussed obtaining of ribbons needed for the Conference with Betty Corrigan for the Shows, Officers, Directors, Delegate and for the new Life Members, etc. . . He asked Betty to order whatever ribbons she feels are necessary.

Hugh Macleod said it has not been customary to provide ribbons to the Delegates prior to the Rhode Island conference, but that he recommends that all recognized Delegates be provided with them. Secretary, Liz Rodrigues will contact each of the Associate Member Organizations in regard to their payment of dues, selection of delegates and possible subject matter they will discuss.

RESEARCH ADVISORY COMMITTEE - John Root reported Dewey Caron is the Chairman and that Dewey was given the privilege of selecting whoever he wanted to work with him. There is no report at the time.

HONEY INDUSTRY COUNCIL - President, John Root reported the Council has received a good many letters of concern from people who were concerned and who objected strongly to a Dr. Lamb's comments and opinions that Honey was carcinoid producing. Dr. Lamb topped his statement off with a zinger by saying a research man recently found there is a carcinogen in honey that is associated with pollen. In talking with the people from the Sioux Bee Honey Assn., John says they are of the opinion that the less research there is with honey, the better, because of so much publicity containing incorrect statements.

SCHOLARSHIP FUND - Hugh Macleod reported there have been requests in the past for Scholarship Funds and this was tabled in 1973 and 1975. The motion was as follows: "For the advancement of apicultural science, that EAS establish a Scholarship Committee to grant one or more Scholarships as funds are available, to graduate students of an accredited college or university, to pursue graduate research in apicultural science. The choice of student or students shall be made by the scholarship committee whose decision shall not be subject to review by an officer of EAS or the Board of Directors. The Guidelines for the Scholarship Committee shall be promulgated by the Board of Directors."

Hugh Macleod made a motion, seconded by Jack Matthenius, that the original motion set it up for Post Graduate Beekeeping Students, and that the motion be lifted back for consideration." Ross Hopkins asked why it has to be on the higher level of education? And since we draw a lot of our membership from Short Courses, why don't we assist some of these students? A motion to amend the original motion taken off

course), bowling, billiards, tennis, and swimming. There will be a charge for some activities.

MEMBERSHIP: The Eastern Apicultural Society of North America does not require individual membership for eligibility to attend its conference. Membership is automatically granted to each person attending the full conference. If you have already paid your dues for 1977-78, this amount is to be deducted from your conference payment. Life membership confers an automatic \$3.00 deduction from the conference cost. Membership includes a subscription to the EAS Journal.

ACCOMMODATIONS: Our registration and headquarters building will be the air-conditioned Lowry Center. It contains the cafeteria, banquet room, lounging area, and rooms for EAS and commercial exhibits. The general meeting room will be in McGaw Chapel, about two short blocks from Lowry Center, with a seating capacity of 1500 persons. The seats in McGaw Chapel are comfortable but they are not cushioned. Bringing a cushion with you might be in order. Other activities will be in surrounding classroom buildings.

Lodging will be double-occupancy in near-by residence halls, with men's and women's bathrooms on each floor. A few single and triple rooms are available. Small children will be accommodated in their parents' room, but you will have to provide their bedding materials. Stairways serve the floors above ground level. Each person will have a linen

packet -- sheets, pillow case, pillow, hand and bath towel, wash cloth, blanket, soap, and drinking cup. Beds are not "made up". Dorm rooms are not air conditioned.

Meals will be cafeteria style in Lowry Center, except for the barbecue (at Medina), the ladies luncheon (at nearby Ramada Inn), and the banquet. Tickets for individual meals, the barbecue, the ladies luncheon, and the banquet may be purchased at the EAS registration desk.

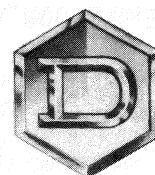
Ladies: The banquet room of the Ramada Inn can accommodate only 225 persons. Send in your reservation early and indicate on the registration form if you desire to attend the ladies luncheon. Reservations will be accepted -- up to 225 -- on a "first come" basis. Luncheon tickets included in the full-conference price.

Free parking will be adjacent to Lowry Center and some of the residence halls.

All dormitories and meeting rooms are within two blocks of Lowry center.

The workshops will be at Medina (A.I. Root Co. on Thursday afternoon) and at the Agricultural Technical Institute, three miles from Lowry Center, on Friday afternoon. Maps will be provided so that you may drive your own car. Free parking is available.

FULL CONFERENCE FEES per person in a dormitory room: Registration \$15.00, meals \$36.50, Lodging -- single \$28.50, double \$47.00. Total costs



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shown in more than one class. Entries from person of the same surname and address, should not be considered separate entries.

OBJECTIONS -- Any exhibitor wishing to protest must do so to the show chairman within one hour of the public opening of the show.

2. That the following classes to schedule and judged:

- Mead - dry
- Mead - sweet
- Mead - made with fruit, berries, etc.
- Mead - sparkling, made with or without fruit, etc.

Your judge will gladly hold a "judges at the bar" session and answer exhibitor questions after the show has been opened to the public. If requested. Prize ribbons will be awarded to the top six winners in each class.

- Class 1 - Mead, Dry.
- Class 2 - Mead, Sweet.
- Class 3 - Mead made with fruit juices.
- Class 4 - Mead, Sparkling, made with or without fruit juices.

Scoring objectives:	Maximum Pts.
1. Clarity	20
2. Color	10
3. Taste	20
4. Body	10
5. Bouquet	20
6. Bottle	10
7. Bottle Closure	10
	Total 100

HONEY COOKING SHOW (Non-Professional)

Prize ribbons will be awarded to the top six winners in each class.

- Class 1 - Cookies, Crisp - 1 dozen
- Class 2 - Cookies, Soft, 1-dozen
- Class 3 - Bars or Brownies - 1 dozen
- Class 4A - Cake, Unfrosted, 1 cake
- Class 4B - Cake, Frosted - 1 cake
- Class 5 - Yeast Bread - 1 loaf
- Class 6 - Yeast Bread, Fancy - 1 loaf
- Class 7 - Yeast Rolls - 1 dozen

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- Class 8 - Quick Bread (fruit or nuts optional) 1 loaf
- Class 9 - Muffins (fruits or nuts optional) - 1 dozen
- Class 10 - Candy - ½ lb. or 12 pieces
- Class 11 - Pie (rules apply to filling) - 1 pie
- Class 12 - Granola, 2 cups or more
- Class 13 - Products baked with 100' HONEY used for sweetening

Special Rules:

1. Entries must be accompanied by the recipe as used, written on 3" x 5" cards in triplicate.
2. At least 25% of the sweetening cereal is to be used.
4. Entries will be exhibited as received. Plates will not be furnished by the show committee.
5. Pie crust will be judged on appearance - i.e., not burned or broken up, etc.

A. Baked Goods	Scoring Objectives:	Maximum Pts.
1. General appearance		20
2. Flavor		35
3. Texture, grain, moisture, uniformity of color		30
4. Lightness		15
		Total 100

B. Candy	Scoring Objectives:	Maximum Pts.
1. Attractive appearance		20
2. Flavor		35
3. Texture		25
4. Handline quality in serving		20
		Total 100

Information About EAS 78 Conference

The 24th annual conference of the Eastern Apicultural Society will be held at the College of Wooster, Wooster, Ohio, August 9-12, 1978. The Ohio State Beekeepers' Association will be hosting the conference.

All registrants -- full conference, campers, commuters, one-day conferees, and walk-in registrations will be accommodated. It will be possible to purchase a single night's lodging or a few meals. This is designed to encourage participation by those who would like to come to the conference but can only attend for a day or so. Persons registering for the full conference, however, will be given reduced rates. We urge you to register for the full conference and to send in your reservation as soon as possible to facilitate the record work involved and to avoid a late registration fee.

Additional services for physically impaired persons will be available.

Parents -- bring your children. Special movie programs for children are planned. Recreation opportunities on campus include golf (18 hole

the table was made by Ross Hopkins, and seconded by Earl Cochran. "that we revive the Scholarship Fund, but strike the POST GRADUATE, and just state Education. Motion carried.

Earl Cochran made a motion, seconded by Hugh Macleod, "that the Science & Research Committee be vested with the responsibility of investigating such grants and making recommendations to the Board for action." Motion carried. Dewey Caron is Chairman of the Science & Research Committee and is assisted by Vic Thompson, Charles Mason and Pat Powers.

NEW BUSINESS - SITES COMMITTEE - Site Committee Chairman, Dale Bray reported that West Virginia has made a gesture, intending to invite the EAS Society to hold a Conference, hopefully in Morgantown in 1982. A formal letter of invitation will be forthcoming.

North Carolina, although it is outside of our present EAS boundary, has indicated that they might be included with the EAS territorial boundary. It has an extremely active group of hobbyist beekeepers. Earl Cochran inquired as to whether or not any action is required by the Board so it could be included? Hugh Macleod made a motion, seconded by Ross Hopkins, "that we add or States to Article 14, amendment 4 in the By-Laws which states, "who's invitation is approved by the Board of Directors when approved by the Sites Committee." Motion carried.

Presently the boundary is East of Ohio. Kentucky is included and hopes to become involved in the future. Maine has expressed an interest in hosting a Conference in the early '80's, and said they would extend a formal letter of invitation soon. John Root mentioned that you fix the line (EAS border) as the circumstances change on an individual basis, and that before North Carolina or any other State can be added, it has to be acted upon by the Board of Directors

The Secretary, Liz Rodrigues will write to Dr. John Ambrose of North Carolina and explain the situation to him, and that if they are interested they should send a formal letter of invitation to the Sites Committee Chairman, Dale Bray.

CENTRAL OHIO BEEKEEPERS ASSN. - A letter was received from Jay Sachafer stating they are attempting to establish a

beekeeping display in the center of science and industry in Columbus, OH and are seeking for funds from EAS. The cost will be \$4,800. It is sort of a museum. No action was taken by the Board in regard to this matter.

RESOLUTIONS - Chairman of the Resolutions Committee, George Rigby has requested that any proposed resolutions should be mailed in advance if possible to him or other members of the Committee, prior to the Conference. This will be published in the EAS Journal.

DIRECTORS TERM EXPIRATION - K.G.A. Anderson inquired as to when the terms of the 1978 Directors office expires. They expire at the conclusion of the August 9 Directors meeting. The new Directors elected on August 11th., will begin their term as of that date. The Director should be recommended by his State and other associations in his state, and is the liaison person who should be pushing EAS back home and have some input in the EAS Journal. The Secretary will notify the States who have Directors whose term will be up.

EAS JOURNAL - Jack Matthenius, Editor thanked John Root for the input from Ohio for the EAS Journal and would like to see the same kind of input and rapport from the other Provinces and States with Conferences being planned. Jack has approximately \$206. in an account which he has used for a slush fund for printing pictures and other Journal expenses. He will give a fuller accounting of moneys he has expended at a later date.

HONEY SHOW - Jack requested that Dick Corrigan provide him with any changes he is contemplating for the upcoming show so it can be included with the basic, general rules. Jack stated that he does not have any figures from the Printer in regard to the possible expansion of the Journal from 12 pages, or to expand it to 12 issues a year. It is now being issued in Oct., Dec., Feb., April, June and July.

1979 EAS SITE - Second Vice President, Ross Hopkins reported the Conference will be held August 8, 9, 10 & 11th of '79 at Carleton University in Ottawa, Ontario, Canada, on the banks of the Rideau River. The facilities are excellent, rooms are air-conditioned and pretty much self contained. International

ROSS ROUNDS

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visit our display
at the
EAS Meeting
Wooster, Ohio
in August

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216-833-6705

airport is 6 miles away. One thing that has to be taken into consideration is simultaneous translation for the French-speaking Conferees. Ross expects representation from the Provinces East of Ontario to be considerable. He believes accommodations for this Site to be ideal and pleasing to the majority. He is hopeful that the Sites Committee will be in the position to check out the facilities in the very near future.

WOOSTER COLLEGE - John Root introduced Gary Thompson

EASTERN APICULTURAL SOCIETY Revised General Rules for All Shows

1. All entrants, whether or not they attend the Conference, must be registered with an have paid the registration fee to the Eastern Apicultural Society.

2. Only one entry in each class may be made by an individual family.

3. Identifying labels on entries are forbidden.

4. Entries can be registered Wednesday night 8-9 p.m. and Thursday morning 8 to 9:30 a.m.

GADGET SHOW

Prize ribbons will be awarded to the top six winners in each class.

Class 1 - Large devices (honey extractors, wax-rendering equipment, etc.)

Class 2 - Hives or machines (lifters, weighers, etc.)

Class 3 - Small miscellaneous items.

All entries must be accompanied by a typed or written explanation. This is to be used in scoring by the judges.

Scoring Objectives:	Maximum Pts.
1. Explanatory Text	25
2. Practically	50
3. Ease of reproduction	15
4. Help to beekeeping	10
	Total 100

BEESWAX SHOW

Prize ribbons will be awarded to the top six winners in each class.

Class 1 - Single piece, pure Beeswax, -1 lb. or more.

Class 2 - Candles, dipped, one pair, pure Beeswax.

Class 3 - Candles, molded, one pair, pure Beeswax.

Class 4 - Candles, fancy, one pair, pure Beeswax.

Class 5 - Candles, novelty, six assorted, containing Beeswax.

Class 6 - Novelty, Beeswax with additives permitted.

Special rules:

1. All entries in Class 1 must be covered with clean, transparent plastic film.

2. All entries in Class 5 must contain some Beeswax. Entries in this class are for colored and

representing Wooster College who is here as our resource person to show us around the grounds today. Persons desiring A.C. rooms should make reservations at the Wooster Inn - Tel. No. 216-264-2341.

There being no further business, the meeting was adjourned at 11:15 p.m.

Respectfully submitted,
(Mrs.) Liz Rodrigues, Sec.

novel-shaped candles.

3. All entries must have been made by the exhibitor.

Scoring Objectives:	Maximum Pts.
1. Cleanliness	35
2. Color and aroma	30
3. Uniformity of appearance	20
4. Absence of cracks and shrinkage	15
	Total 100

HONEY SHOW

Prize ribbons will be awarded to the top six winners in each class.

Class 1* - Three 1-lb. jars of Honey, Extracted, Water White.

Class 2* - Three 1-lb. jars of honey, Extracted, Light.

Class 3* - Three 1-lb. jars of Honey, Extracted, Light Amber.

Class 4* - Three 1-lb. jars of Honey, Extracted, Amber.

Class 5* - Three 1-lb. jars of Honey, Extracted, Dark.

Class 6 - Three section boxes of Comb Honey.

Class 7 - Three packages of Cut Comb Honey, 4" sq.

Class 8 - Three 16-oz. jars of creamed Honey.

Class 9 - Three 16-oz. jars of Chunk Honey.

Class 10 - One shallow super frame of Cut Comb Honey.

Class 11 - One shallow super frame of Extracting Honey.

Class 12 - One full-depth frame of Honey.

Class 13 - Three identical novel shape, Honey filled containers.

Class 14 - One novelty gift box of packaged honey.

Class 15 - One shadow box or Niche Display of Honey related subject.

Class 16 - 3-Cobana sections of Comb Honey.

Class 17 - Arts & Crafts related to beekeeping that could not be included in any other class.

Special Rules:

1. Entries in Classes, 11, 12 and 13 must be displayed in bee-proof cases having both sides made of transparent glass or plastic.

2. Entries in Class 7 must be in window cartons or wrapped individually in transparent plastic.

3. Colors of Honey in Class 1 thru 6 will be

determined by the official grading committee.

4. All entries must be the product of the entrant's apiary and have been produced during the period August 1976 to August 1977.

5. Entries in Classes 1 thru 5 (marked*) must be in Queen Line type glass jars.

Scoring Objectives:	Maximum Pts.
1. Density (water content above 18.6 disqualified)	20
2. Absence of crystals	10
3. Cleanliness:	
a. Without lint (7)	
b. Without dirt (10)	
c. Without wax (7)	
d. Without foam (6)	30
4. Flavor	30
(Pointes will be reduced on OFF FLAVOR HONEY)	
5. Container appearance	
Clean and in good condition	10
	Total 100

MEAD SHOW

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

BOTTLES -- Still wines should be exhibited in clear (not frosted) white (not tinted) glass punted

(recessed bottom) wines bottles of approximately 26 fluid ounces capacity. Bottles should have rounded shoulders and not the long sloping shoulders as found containing most riesling or rhine wines. The white glass French sauterne type bottle with a shallow punt is satisfactory.

Sparkling wines must be exhibited in champagne type bottles. The domestic (U.S.) champagne bottle is excellent.

CORKS--Natural cork stoppers should be used. They may be driven straight corks or flanged and hand applied. Flanged corks should be plain (not bearing a trade name or the like). All cork flanged stoppers, available in wine supply stores, are excellent. Corks may be wired for traveling. Domed plastic champagne stoppers must be used for sparkling wines.

LABELS -- Bottles containing wine for competition should NOT have stick on labels. A tag tied around the neck, indicating the class, exhibitors name or number and a description of the wine is appropriate. Standard labels will be provided and put on 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 3/4" in depth. Sparkling wines should have an air space of 1 inch to 1 1/2 inches.

AWARDS -- Exhibitors may not make more than one entry per class and no single bottle may be



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REGISTRATION FORM

Deadline July 15

EAS Annual Conference - August 9-12, 1978

Hosted by The Ohio State Beekeepers' Association

Name (Please Print): _____ Home Phone: _____

Address: _____ City: _____ State: _____ Zip: _____

Arrival Date & Time: _____ Departure Date: _____

Number of Persons in Family Registering: _____ Spouse's Name: _____

Children's Names: _____
(Special rates for children under 8 years of age -- Write for Details)

Check which applies: Full-Conference () Partial Conference () Dormitory () Camper () Commuter ()

Advance REGISTRATION Fee (per person): (Includes Membership when registered for Full Conference)
(Life Members check here () and deduct \$3.00 below)

Full Conference - Number of persons: _____ at \$15.00/person
(Children under 12 years of age - free)

Day Commuter - Number of persons: _____ at \$ 6.00/day

LODGING (Rate per room): Fill in number of rooms requested for:

(Please check if you need a room on ground floor () or near bath ())

3 Nights (W,T,F): _____ Single at \$28.50, or _____ Double at \$47.00

2 Nights (T,F): _____ Single at \$20.00, or _____ Double at \$33.50

1 Night - Check: W _____ T _____ F _____ Single at \$10.50, or _____ Double at \$18.00

MEALS (Price per person): Fill in number of persons:

Full Conference (9 Meals - Wed. Dinner thru Sat. Lunch) at \$36.50/person

Thurs. Lunch thru Sat. Lunch (7 Meals) at \$32.00/person

(Both of above plans include Ladies' Luncheon - Please check if planning to attend ())

For individual meals, fill in number(s) and amount(s) below:

Breakfast	_____ at \$2.50	\$ _____	_____ at \$2.50	\$ _____	_____ at \$2.50	\$ _____
Lunch	_____ at \$3.25	\$ _____	_____ at \$3.25	\$ _____	_____ at \$3.25	\$ _____
Ladies' Lunch.	_____ at \$7.00	\$ _____	_____ at \$7.00	\$ _____	_____ at \$7.00	\$ _____
Barbecue	_____ at \$8.00	\$ _____	_____ at \$8.00	\$ _____	_____ at \$8.00	\$ _____
Banquet	_____ at \$8.50	\$ _____	_____ at \$8.50	\$ _____	_____ at \$8.50	\$ _____

CAMPERS, COMMUTERS, ONE-DAY CONFEREES: Fill in registration blank above, appropriate lodging blank above if applicable, and appropriate meal blank(s) above if applicable. (WALK-IN Registrants will be charged late registration fee plus the appropriate lodging and meal charges where applicable.)

TOUR: To A. I. Root Company Factory at Medina (50 miles round trip) - Check if interested ().

Indicate which desired: Travel by Bus () : at \$4.00/person or, will drive personal car ().

(Parking available at Root Plant for those willing or desiring to drive.) Number: _____ at \$4.00/person

TOTAL AMOUNT ENCLOSED \$ _____

NOTE: Your total cost for a full-conference stay in a dormitory room, excluding Root tour, should be for: A single person \$80.00, or for two persons (Double Room) \$150.00 (This includes registration, meals and lodging.) State sales tax included.

MAKE CHECKS PAYABLE TO: EAS 78 CONFERENCE

MAIL TO: The Ohio State Beekeepers' Assn.

Box 479, 35 E. Chestnut Street
Columbus, Ohio 43216

(if you have questions, write or phone:)

Mr. William McNutt, Administrative Secretary, OSBA
Phone: (614) 225-8947

DEADLINE FOR ADVANCE REGISTRATION IS SATURDAY, JULY 15, 1978

After July 15, the registration fee will be \$20.00 per person for the Conference, or \$7.00 per day. If you pay in advance (by July 15, your registration material will be ready and waiting for you at the EAS Registration Desk, Lowry Center, College of Wooster. Make all checks payable to EAS 78 Conference.