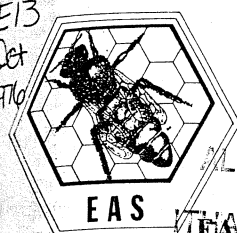


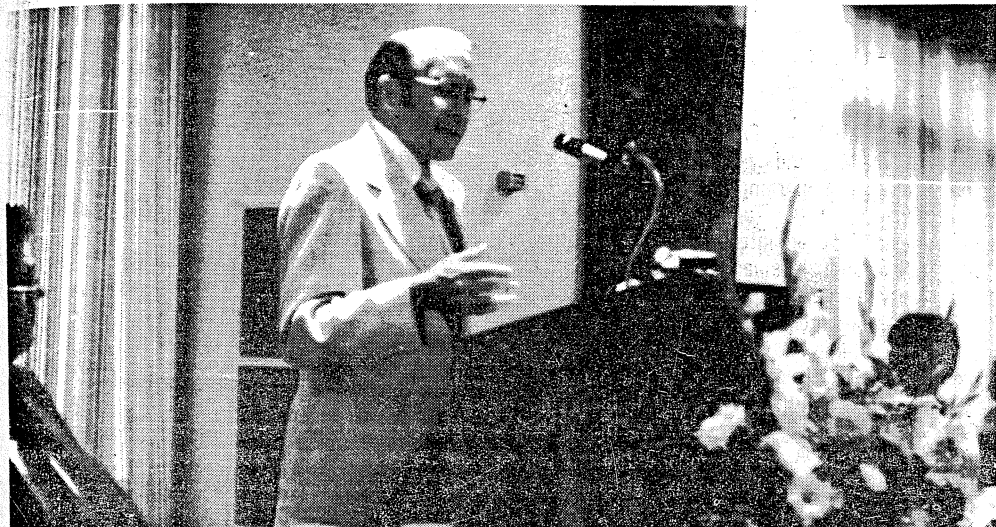
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EAS JOURNAL

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JAMES I. HAMBLETON AWARD RECIPIENT AND CONFERENCE SPEAKER—Walter C. Rothenbuhler, Professor of Entomology, Zoology, and Genetics at Ohio State University, Columbus, Ohio. He holds a B.S. Degree, M.S. Degree and Ph.D. Degree from Iowa State University. Dr. Rothenbuhler is author and co-author of many technical items covering his field of endeavors.

E.A.S. 22nd ANNUAL CONFERENCE - AUGUST 11, 14, 1976 Blacksburg, Virginia

The annual Eastern Apicultural Society of North America meeting in Blacksburg, Virginia, at the Donaldson Brown Center for continuing education (Virginia Polytechnic Institute - State University) held its 22nd meeting in August 11-14th.

A group numbering 423, from 28 States and Countries, received the program planned by Homer P. Powers, President, John R. Jones, Vice President, and assisted by members of the organizations Board of Directors, with enthusiasm. During the Conference, members elected Dr. Dale F. Bray, President, Delaware; Dr. Charles E. Mason, 1st. Vice President, Delaware; John Root, 2nd. Vice President; Mrs. Liz Rodrigues, Secretary, New Jersey; and Mrs. Marie Morse, Treasurer-Historian, Connecticut, to serve until next year when the Annual Conference will meet in the Clayton Hall - Christiana Towers Complex, in the University of Delaware, Newark, Delaware, August 17-20, 1977.

The program featured a diversity of speakers and subjects well suited to the interest of all beekeepers and particularly those of the East Coast, the hobbyists. President Powers called the Conference to order and presided over Thursday's program. Invocation was by Rev. A.A. Blanks, Pastor of the Bedford Baptist Church, Long Island, Virginia. S. Mason Carbough, Virginia Commissioner of Agriculture gave the welcome and read a certificate of recognition. The President gave his address and welcomed the conferees to Virginia.

Program Chairman, Dr. James Roberts, and Extension Entomologist at the V.P.I. & S.U., presided over the opening days session. Lt. Col. James A. Vick, U.S. Army, from the Edgewood Arsenal, Maryland spoke on the subject of "Medical Applications of Bee Venom and Its Components." Dr. Hachiro Shimanuki and Mr. Don Henderson, Agriculture Research Service, U.S. Dept. of

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Agriculture, Beltsville Maryland talked on the subject of "Biological Bases for Computer Simulations of Honey Bee Populations."

Approximately 185 ladies at the Conference, attended a luncheon at the Mountain Lake Hotel. Bus tours were conducted through the sprawling 2000 acre V.P.I. campus. Guests also toured the Smithfield Plantation.

On Thursday, early afternoon, a honey auction sale was conducted for the membership at the Red Lion Inn, enabling members to purchase honey from various areas within the East Coast. The sale was followed by a cash bar social, then a bull roast with live entertainment.

Dr. Robert Berthold, Asst. Professor of Biology, Delaware Valley College, Doylestown, Pa., conducted a beeswax workshop and showed us how to make candles.

Dr. Dewey M. Caron, Extension Entomologist of the Univ. of Maryland, presided over Friday's Program. During the morning session, Dr. Lonnie Standifer, Director of the Tucson Bee Laboratory, Tucson, Arizona, gave an interesting talk on "The Elusive Pollen Substitute and Other Projects." Thomas Charnock, Cape Charles Virginia, gave a humorous disertation on the trials and tribulations in "Gypsy Life, or, Migratory Beekeeping." In regard to commercial pollinating, Rev. a.A. Blanks, Long Island, Va. called the meeting to order after the morning break. Dr. George Cantwell, Insect Pathologist, A.R.S.-USDA, Beltsville, Maryland spoke about "Microbial Insecticides and Their Effects On

the Honey Bee." Author-Educator, Dr. Richard Taylor of Trumansburg, New York, gave his easy-to-follow talk on "How to Produce Comb Honey." He was followed by Mr. Tom Ross, of Dadant and Sons, Inc., Hamilton, Illinois who spoke on "World Beekeeping, Present and Future."

Dr. Lonnie Standifer presided at the afternoon session. Dr. L. T. Kok, Professor of Entomology, (V.P.I. & S.U.), spoke on "Thistle Control in Virginia-Insect Husbandry."

Two Grand Master instructors from the L.I. Beekeepers Club addressed the group about the procedures for Conducting a Beekeeping Short Course.

Friday evening, the Banquet was held in the Commonwealth Dining Room and the following awards were presented:

Dadant & Sons Beeswax Trophy - Charles A. Divalbiss, Ohio.

A. I. Root Trophy for Comb Honey - Edgar A. Mumsford, Maryland.

E.A.S. Honey Cookery Trophy - William Davis, III, Fairfax, Virginia.

Trophy for Extracted Honey - John Cantatory, New Jersey.

President's Award for Chunk Honey - Al Delicata, Massachusetts.

E.A.S. Directors Trophy, Gadget Show - Ray Churchill, New York.

The Carlton Slater Trophy for Mead - Charles MacDonnell, Massachusetts.

E.A.S. Sweepstakes Bowl - William Davis, III, Fairfax, Virginia.

Show Chairman, Dick Corrigan and his wife Betty, supervised the Honey, Beeswax, Gadget, Mead

and the Honey Cook job.

Dr. Rolf Bor recipient of the Walter C. Rothent highlight, of reveal one of the bes conference. Dr. Ro State University anc spoke of the resear behavior of honey b a fine scientist, recognition of the improving bees and

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EAS JOURNAL

Eastern Apicultural Society
of North America, Inc.

President	Dr. Dale F. Bray
	University of Delaware
	18 South Parkway, Newark, Delaware 19711
First Vice President	Dr. Charles Mason
	University of Delaware
	18 South Parkway, Newark, Delaware 19711
Second Vice-President	John Root
	820 Lindenwood Street, Medina, Ohio 44256
Treasurer-Historian	Mrs. Marie Morse
	Cornwall Bridge Road
	Sharon, Connecticut 06069
	Home phone (203) 364-5280
Secretary	Mrs. Liz Rodrigues
	R.D. 2, Box 216, Five Point Road
	Colts Neck, New Jersey 07722
Editor	J. C. Matthenius, Jr.
	516 Victory Avenue
	Phillipsburg, New Jersey 08865
Co-Editor	J.R. Wojciechowski
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 Trophy, Gadget Show - Ray
 er Trophy for Mead - Charles
 ssetts.
 es Bowl - William Davis, III,
 Dick Corrigan and his wife
 honey, Beeswax, Gadget, Mead

and the Honey Cooking shows and did an excellent
 job.
 Dr. Rolf Bock introduced the winner and
 recipient of the James I. Hambleton Award, Dr.
 Walter C. Rothenbuhler to the membership. This
 highlight, of revealing the name of the person, is
 one of the best-kept secrets of the whole
 conference. Dr. Rothenbuhler, a Professor at Ohio
 State University and a Director of the Bee Laboratory
 spoke of the research on bee diseases, genetics and
 behavior of honey bees. This award, beside honoring
 a fine scientist, represents E.A.S. support and
 recognition of the role of apicultural research in
 improving bees and beekeeping for everyone.
 Program chairman, Dr. James Roberts
 introduced the Banquet speaker who spoke on the
 humorous background of American presidents.
 Dr. Dale F. Bray, Head of the Dept. of
 Entomology, University of Delaware, Newark
 presided for the final days program. Dr. David J. C.
 Fletcher, Chief Professional Officer from the Univ. of
 Natal, Pietermaritzburg, South Africa, gave a talk on
 "Beekeeping in South Africa With Apis mellifera
 adansonii." He was interviewed on a local Television
 program in regard to the possibilities of the African
 Bee entering the U.S.
 Guest Lecturer-recipient, of the James I.
 Hambleton Award, Dr. Walter C. Rothenbuhler, gave
 an interesting talk on details of working in the
 laboratory carrying out his research and teaching

Biology of the Honey Bee and courses on Animal
 Behavior. His outstanding contributions to scientific
 research on honey bees is well known.
 At the Business Meeting of the E.A.S.,
 conducted on Saturday, Aug. 14, 1976, the
 following resolutions were approved by the body of
 the membership:
 1. Whereas: the task of organizing, planning
 for, and implementing the activities necessary for an
 event of such magnitude as this convention is a
 difficult one - and - Whereas: This convention has
 been a most successful one and all participants
 have profited greatly from it, - Therefore be it
 resolved: That the Resolutions Committee on behalf
 of the members in attendance extends to President
 Powers and his assistants, to the personnel of the
 Institute and the University, and to any and all
 others who have helped in the aforementioned task,
 our sincere thanks for a superb job.
 2. Whereas: In recent years many beekeepers
 have experienced large losses of bees during the
 Fall, Winter, and Spring, and Whereas: There are
 indications that these losses have resulted from
 inferior stocks, possibly due to some genetic
 changes in stock now available, - therefore be it
 resolved: That the Eastern Apicultural Research
 Service toward developing improved stocks of honey
 bees.
 3. Whereas: Some beekeepers in urban areas
 are experiencing adverse conditions in the form of

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e supers and hive bodies also.

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legislation and/or regulations detrimental to their beekeeping activities. Therefore be it resolved: That the President of the Eastern Apicultural Society use his authority and experience to offer suggestions to both beekeeping in urban areas which would resolve possible conflicts between beekeepers and municipal officials without the banning of honey bees from a given area.

4. Whereas: The regulations of the Agricultural Stabilization and Conservations Service permit the charging of fees for the inspection of honey bee

the following is a breakdown of the 26 States and 2 Countries in attendance (423)

Arizona	1	Florida	8	Michigan	7	Ohio	8
South Africa	1	Georgia	2	Mississippi	1	Ontario, Can.	21
Australia	1	Illinois	1	No. Carolina	1	Pennsylvania	42
California	2	Louisiana	1	No. Dakota	1	Rhode Island	13
Connecticut	22	Maine	6	New Jersey	64	Virginia	64
Dist. of Columbia	2	Maryland	28	New Mexico	1	Vermont	5
Delaware	5	Massachusetts	42	New York	65	West Virginia	8

colonies to verify pesticide damage and, Whereas: This action when applied results in undue hardship to beekeepers having a small number of colonies. Therefore be it resolved: That the President of the Eastern Apicultural Society cause letters to be sent to the proper A.S.C.S. authorities protesting this action.

Signed by members of the Committee: Norman Sharp, Director, New York; Frank M. Fulgham, Jr., Director, Virginia; Chairman Charles A. Divelbiss, Director, Ohio.

PRESIDENT'S MESSAGE

Greetings from Delaware to all conferees. After the outstanding meeting in Virginia, we in Delaware look forward eagerly to the 1977 meetings in Newark. I hope the old adage "success breeds success" will prove true in Delaware so that we have two excellent meetings in a row.

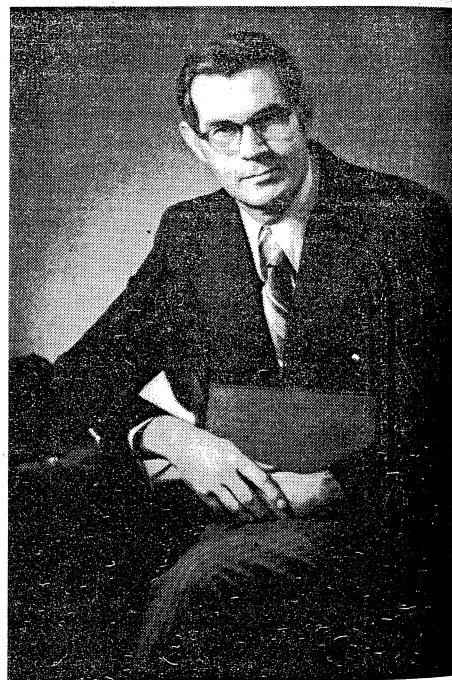
Workshops will be emphasized at the Delaware conference: Mead making, beeswax, bee diseases, gadgetry, candle-making, cooking with honey, etc. We hope to have several good speakers and we're open to suggestions from all members of EAS.

Accommodations in Delaware should be pleasant to all. The rather new Clayton Hall will be an excellent place to display entrees in the shows. We have 1200 beds in air conditioned rooms about two blocks from Clayton Hall. For inclement weather or for those with need, shuttle buses will be available for the morning and afternoon.

The Delaware Conference will attempt to emphasize the fact that EAS is a society of North America. With that in mind, you may wonder why the little state of Delaware is called "The First State" -- that's because it was the first of thirteen colonies to ratify the U.S. Constitution. So with that, I'll say welcome from "The First State" to all the North American members of EAS for the 22nd annual conference of the Eastern Apicultural Society of North America, Inc.

- MEETING SCHEDULE - Northwest Jersey Beekeepers Association

Nov. 20 at 8 P.M. Agricultural Annex, Courthouse in Belvidere. The subject is Honey Preparation for the small beekeeper.



Ray Churchill, N.

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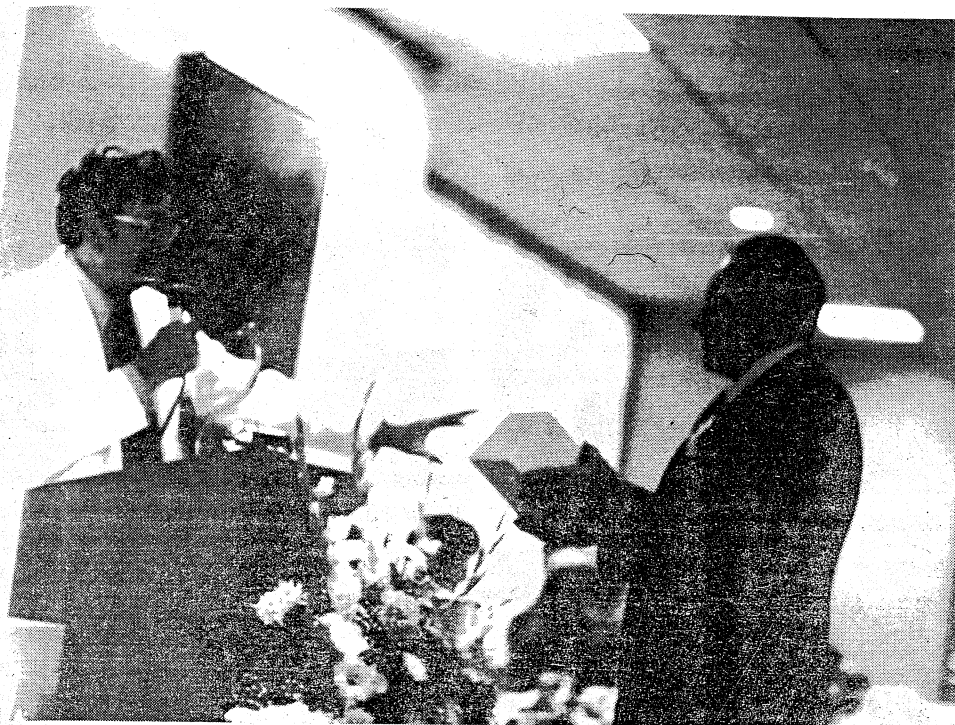
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7	Ohio	8
1	Ontario, Can.	21
1	Pennsylvania	42
1	Rhode Island	13
4	Virginia	64
1	Vermont	5
5	West Virginia	8



Ray Churchill, N. Y. State Winner in the Gadget Show. Always a good competitor. Look for you back in 1977.



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Did you enjoy the auction at the 1976 E.A.S. Meeting. Thank Pat Powers, 1976 President.



Jack Cantatory, N. J. First Place Winner in extracted honey. A good showman.



Mrs. C. A. Divelbiss, Ohio, received a bowl for her beautiful bees wax entry. Congratulations!!

**ANNUAL BOA
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no representation
Some Delegates
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1. COMMITTEE
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2. RESOLUTION
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3. PAST RES
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**ANNUAL BOARD OF DIRECTORS MEETING
BLACKSBURG, VIRGINIA
AUGUST 11, 1976**

President, Pat Powers called the meeting to order:

PRESIDENT'S REPORT - Pat welcomed everyone to Virginia and spoke in detail of some of the problems that he and the Committee members had encountered in conducting the 22nd annual conference. He said it was very useful and convenient to have the prerogative of being in the position to manage pre-registrations and he suggested that possibly the same privilege might be extended to those who will be conducting future Conferences. He believes it made the job a whole lot easier.

MINUTES - A motion was passed to accept the minutes of the April 3, 1976 (as distributed) Board of Directors Meeting held in Blacksburg, Va.

ROLL OF MEMBERS - The following 22 members were present: Pat Powers, Pres. and John Jones, V. Pres., Virginia; Dr. Dale F. Bray, 2nd V. Pres., Del.; Walter D. Wilson, Sec., N. J.; Marie Morse, Treas. and Hist., Conn.; K.G.A. Andersson, P. Pres., Mass.; Dr. Dewey M. Caron, Dir., Md.; Earl P. Chchran, P. Pres., W. Va.; Charles A. Divelbiss, D., Ohio; Arthur Dean, P. Pres., Pa.; Frank M. Fulgham, Jr., Dir., Va.; Dr. Douglas M. Gay, Dr., Del.; Hugh J. MacCleod, P. Pres., Ontario, Canada; Jack C. Matthenius, Jr., P. Pres.-Editor, N. J.; Anthony Melgey, Dir., Conn.; R. E. Ross Hopkins, Dr., Ontario, Canada; Marvin R. Houck, M.D., Alternate for William Specht, Dir., West Va.; Rivhall J. Perry, Director, Rhode Island; George O. Rigby, Dir., Mass.; Norman Sharp, Dir. New York; Lester Shimp, Dir, N. J.; Victor C. Thompson, Director, Ohio; and Paul S. Ziegler, Dir., Pa. A quorum was present. There was no representation from Maine or New Hampshire. Some Delegates and Directors Families were present.

1. **COMMITTEE REPORTS - BY-LAWS** - There was no report at this time.

2. **RESOLUTIONS COMMITTEE** - Chairman, C. A. Divelbiss said there was no report at this time, but that the Committee would have one for Saturday.

3. **PAST RESOLUTION** - Jack Matthenius inquired about a resolution that was proposed at the April 3, 1976 Directors Meeting and read by Norman Sharp, (N.Y.), Secretary Wilson read it. Jack made a

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motion, seconded by K.G.A. Andersson, "That the secretary send Dr. Marshall Levin this resolution for his consideration and that it should be stated it was voted on and approved by the body of the membership at the Annual Business Meeting held on August 14, 1976."

4. **LIFE MEMBERSHIP** - Art Holmes, Chairman, was absent due to the illness of his wife, Estella, so there was no report at this time. The Directors requested President Powers send a card, along with a written message for her recovery and to state it was from the Directors of the Society. Marie Morse, Treasurer reported that there are 2 deceased Life members, 25 living members, making the total of 27 Life Members.

5. **TREASURER'S REPORT** - Aug. 11, 1976 - Blacksburg, Va. - Annual Board of Directors

Savings Accounts	13,516.15
(1st.) Life Membership Fund	1,011.18
(2nd.) Life Membership Fund	1,615.26
Conference Checking Account	644.23
Treasurer's working	
Checking Account	381.66
TOTAL	17,168.48
Advancement Loan to	
President Powers	1,500.00
GRAND TOTAL OF ASSETS ON HAND	
AS OF AUGUST 8, 1976	\$18,668.48

6. After giving the above report, Marie Morse, Treasurer stated, that the assets listed do not include any monies collected either by President Powers for pre-registration, or by the V.P.I. staff for any monies they have received for walk-in registrations for the Conference. It also does not include any money received for the advertisements that have been appearing in the E.A.S. Journal.

7. President Powers said that after all receipts are collected in Virginia, and all the bills for the Conference have been paid, that he will close his set of double-entry books and forward any money and the records to Marie Morse, Treasurer, so that she can incorporate these figures into her records. So that the Auditor can have the completed records for the Audit report to be given at the October Directors meeting. A motion was passed to accept Marie's Treasurer's Report, given as of Aug. 8, 1976.

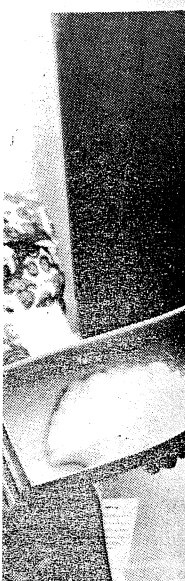
8. **SITES COMMITTEE** - Dr. Dewey Caron, (Md.), Chr. of the Sites Committee, reported plans have been finalized through 1979. The Sites are as follows: '77, Newark, Delaware; '78, Wooster, Ohio; and '79, Ottawa, Canada. He reported E.A.S. has had soundings from Vermont for 1980, and that the Committee should start looking for a Site for 1981. Secretary Wilson was asked to write to the Vermont Beekeepers Association and tell them to send Dr. Caron, (Chairman), an official, formal invitation for consideration. Jim Marsh, (Fla.), a Charter E.A.S. member from Maryland, suggested since the 1st. Conference originated in Maryland; that perhaps it would be very appropriate that Maryland might be considered as the next probable Site for 1980, the



f bull but awful good.



1976 President.



ceived a bowl for her congratulations!!

year E.A.S. will be celebrating their 25th Anniversary. Dewey said he was sure this suggestion would be given consideration.

1. NEW BUSINESS - DELEGATES SUGGESTIONS

President Powers requested the Secretary to read the list of suggestions proposed by the Delegates as to what they consider the Directors should take action on. Pat stated the Delegates are the voice of the membership, that they have a lot of potential and that the Directors might be able to utilize some of their ideas. He was pleased with the input from them and stated that E.A.S. members should state their problems to their Delegates, so that they can submit them to the Directors so that they might be able to take the proper action on them.

2. SUPPORT BEEKEEPERS WITH BEE PROBLEMS

Fred Peabody, Pres. of the Long Island Beekeepers Club (New York), requested, "that the Directors of the E.A.S. support beekeepers in residential and other areas who are encountering various problems due to the population growth and other reasons. He asked for a letter from the President, Pat Powers, or a resolution (or both), on E.A.S. stationary, in an effort to help support beekeepers from ordinances or regulations (that are being drawn up by some towns), that are detrimental to beekeepers and to beekeeping." After a long discussion, Dewey Caron, (Md.) introduced a motion, seconded by Norman Sharp, (N.Y.), "that President Powers write a letter that would help back up the beekeepers; in the hope that it might be helpful in stopping some of the ordinances from being passed in various towns and states." Motion passed, all voted yes.

3. Dewey Caron, also made another motion, sec. by Earl Cochran, (W. Va.), "that the Resolutions Committee meet with Mr. Peabody in an effort to come up with some type of action that would help the beekeepers deal with these types of problems. (All, yes)

4. ANNUAL BUSINESS MEETING - CHANGE OF TIME

Delegates requested to have the day of the Annual Business Meeting changed from on a Saturday morning to earlier in the week, because some missed the entire meeting, due to the fact that many members had to leave the Conference early on a Saturday morning in order to get back to work on Monday. Dr. Robert Berthold, (Pa.) made a motion, Earl Cochran, (W. Va.), reintroduced the motion, sec. by Jack Matthenius, (N.J.), "that all future Annual Business Meetings, beginning with the year 1977, be held on Friday morning, until future notice." Motion passed by 16 yes and 5 no votes.

5. SELECTION OF DELEGATES

Fred Peabody, (L.I., N.Y.), said, "there are 318 members in the L.I. Beekeepers Club, over 800 bee people on the Island, and 1,000 on their mailing list. He believed with that many beekeepers and 5 organizations in N. Y. state, that he didn't think it was fair or proper representation for such a large group, when they

only had 1 delegate and 1 director at the Conference to represent them." He feels they should have a larger voice in the E.A.S. Jack Matthenius stated, "that any organization of beekeepers, located within the circumference of E.A.S., is entitled to send 1 delegate to the Annual Conference if they have paid a fee of \$25. yearly dues and have 25 members in their Club. It is their home state organization that has the prerogative (not E.A.S.'s), to select the Delegate that they want to have represent them at the Conference, E.A.S. does not select delegates, alternates or the Directors.

6. POSSIBLE ALTERNATE DIRECTOR?

Norman Sharp, (N.Y.), asked how the Directors are chosen, and for how long? Jack Matthenius stated, "that the Directors are elected by the State from which they come, that they serve a 4-year term and that they cannot succeed themselves." Norman made a motion, "that an Alternate Director be named in New York state because of the largeness of the State." The motion died for lack of a second. It would take a change in the By-Laws to accomplish a change such as this.

7. NEW TIME FOR DELEGATES MEETING

Tom Webb, (N.J.), suggested at the delegates' meeting, "that the delegates meeting at the Conference, should be held at another time, other than early in the afternoon, because that time created a hardship for the members who had to travel great distances." Upon questioning, however, "he agreed that 7:30 P.M., the time it was held this year, was more convenient and appropriate time." The rest of the delegates agreed also.

8. MINUTES. PRINTED IN E.A.S. JOURNAL

John Jones, (Va.) made a motion, that was seconded, "that a synopsis of the minutes from each Board of Directors meeting, be prepared by the Secretary, and that they be published in the E.A.S. Journal, after each Directors meeting." Motion carried, all yes.

WHO PRESIDES AT THE DELEGATES MEETING?

A suggestion was made that the Delegates select their own Chairman to conduct their meeting. However, after the By-Laws were reviewed, they revealed the following ruling: "Prior to the call for the Annual Meeting, the delegates and counsellors, shall meet under the direction of the President of the Society. The President has general supervision of the affairs of the Society. He shall preside at all business meetings of the Corporation and of the Board of Directors and Executive Committee." It is up to the Delegates to present their views to the President at their meeting, and not the other way around.

10. SWEEPSTAKES BOWL

On Oct. 18, 1975, at the Fall board of Directors Meeting, held in Charlottesville, Virginia, a motion was passed that eliminated the Sweepstakes Bowl. A notice of this elimination appeared in the Feb. '76 issue of the E.A.S. Journal in the minutes publication. At the Delegates meeting, John Tardie, (Vermont), made a

motion, "that the points, in at le awarded the S (N.J.), Re-intro Earl Cochran (W. the motion died

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1 director at the Conference feels they should have a S. Jack Matthenius stated, "beekeepers, located within A.S., is entitled to send 1 conference if they have paid \$5 and have 25 members in some state organization that is not E.A.S.'s), to select the person to have represent them at the Conference. The motion does not select delegates.

NATE DIRECTOR? - Norman Matthenius, the Directors are chosen, Matthenius stated, "that the person from the State from which they are elected for a 4-year term and that they are elected for themselves." Norman made a motion that the State Director be named in place of the largeness of the motion for lack of a second. It is the By-Laws to accomplish a

DELEGATES MEETING - Tom Matthenius at the delegates' meeting, Matthenius stated, "that the meeting at the Conference, for time, other than early in the year, that time created a hardship for the delegates to travel great distances." Matthenius stated, "he agreed that 7:30 p.m. for this year, was more appropriate time." The rest of the

ED IN E.A.S. JOURNAL - Matthenius made a motion, that was discussed in the minutes from the meeting, be prepared by the delegates to be published in the E.A.S. Journal at the delegates meeting." Motion carried.

THE DELEGATES MEETING? - Matthenius stated that the Delegates select the person to conduct their meeting. The By-Laws were reviewed, they are in effect. Matthenius stated: "Prior to the call for the meeting, the Delegates and counsellors, the action of the President of the Association has general supervision of the meeting. He shall preside at all meetings of the Corporation and of the Executive Committee." It is the motion to present their views to the Delegates, and not the other way

OWL - On Oct. 18, 1975, the Delegates Meeting, held in Vermont, a motion was passed that the Sweepstakes Bowl. A notice of this motion was published in the Feb. '76 issue of the Journal. At the meeting in Vermont, made a

motion, "that the Sweepstakes Bowl be reinstated and that the person with the most accumulated points, in at least 3 categories in the show, be awarded the Sweepstakes Bowl." Lester Shimp, (N.J.), Re-introduced John's Motion, seconded by Earl Cochran (W. Va.), and after the vote was taken, the motion died by a 2 yes and 16 no vote.

11. After another discussion, Dr. Robert Berthold, (Pa.), initiated a new motion, sec. by Jack Matthenius, (N.J.), "that the Sweepstakes Bowl be reinstated for this year's Conference only, based on the rules that existed before it was eliminated, and that next year, 2 Sweepstakes Bowls be awarded." The motion passed by a 12 yes, 7 no vote.

12. **CHANGE IN LOCATION OF FALL BOARD OF DIRECTORS MEETING** - Earl Cochran, (W. Va.), said that due to changes in places and distances of the meetings each year, with some members having to travel much greater distances than others, there being no funds available for this purpose, and for other reasons; "I move that the October meeting only, of the Board of Directors, be held in Trenton, N. J., and that the Secretary make the arrangements for the Board members; and that the meeting be held at Trenton, N. J. as a Central point, until further notice." Motion seconded by George Rigby, (Mass.), and passed by a 11 yes and 6 no vote. The Spring Board of Directors meeting will be held in the Host state.

13. **CONFERENCE REGISTRATIONS** - Frank

Fulham, Jr. (Va.), gave a brief report as to how many of the conferees have arrived, how they are being accommodated and how many meals will be served. Pat Powers said the Program speakers are being housed off the Campus and that John Jones, Publicity Chairman, is using a reception room at the Red Lion Inn for interviews with Television and Newspaper reporters. Walk-in registrations are still being accepted.

14. **JAMES I. HAMBLETON AWARD** - President Powers announced that a recipient has been selected for the award but that due to the U.S. Postal Service, there will not be a plaque to hand him on Friday evening. The recipient's identity will not be revealed until the occasion arises.

15. **SECRETARY'S PAY** - George Rigby (Mass.) inquired what we are paying our Secretary. Because the two offices of Secretary-Treasurer were separated, it was suggested that the fee be reverted to the original amount of \$500. and \$100., respectively. Because of the lateness of the hour, Dewey Caron, (Md.), made a motion, sec. by Art Dean, (Pa.), "that the discussion in regard to the secretary's pay be tabled until the October Directors Meeting when there will be more time to do the subject more justice." Motion carried. Another motion for adjournment was entertained and passed.

Respectfully submitted,
Walter D. Wilson, Secretary

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I'M NOT AFRAID OF AFRICAN BEES

By Roger A. Morse

Editor's note: Dr. Morse is Professor of Agriculture with the Department of Entomology of the New York State College of Agriculture and Life Sciences, Cornell University.

Beekeeping has been a very successful industry in East Africa for centuries. Many tribes there have devoted themselves to beekeeping, exporting beeswax and using the honey to make a native beer which has been the chief source of alcohol for the local people.

African bees are noted for their ferocity. They are good protectors of their nests. The natives in

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ANNUAL BEE MEETINGS DRAWS OVER 100 PEOPLE

The annual joint beekeepers' meeting of the Montgomery and Bucks County Associations, hosted by Delaware Valley College, was held on the College campus on Saturday, June 26th. Favored by a beautiful day and an interesting program, over 100 beekeepers and their families attended.

The formal meeting was preceded by a picnic lunch on the College grounds. The keynote speaker for the afternoon was Mr. Paul Raybold who is an assistant apiary inspector for the state of New Jersey. Mr. Raybold gave an illustrated talk as to how package bees are produced by southern breeders for sale to northern beekeepers for starting new colonies of bees in the Spring of the year. The speaker also related some of his more humorous experiences in dealing with the breeders and in his transporting of packages north.

Following Mr. Raybold's talk, Dr. Berthold gave a short illustrated discussing as to the benefits of honey bees in strawberry pollination. He emphasized that with adequate honey bees present you can expect more, larger, and more perfect fruits and vegetables.

The formal meeting was followed by an open house at the College's beekeeping facilities.

East Africa keep their bees in cylinders made of tree bark, which they rob of honey at night. The beekeepers are often seriously stung in the process. The rewards are clearly worth the effort in the minds of the beekeepers who have practiced their art since antiquity. Even American beekeepers will testify they too are sometimes stung 50 to 100 times or more a day when they are taking honey from their European honey bees on cool rainy days. (The older bees do the foraging and are more inclined to sting than the young ones; the older bees that stay in the hive in inclement weather can be a nuisance to the beekeeper.)

In the 1950's researchers in Brazil sought to increase honey production, especially in the tropical parts of that country, so in 1956 they imported African bees. It was the intention of the scientist importing the bees to do some selective breeding of the Africans to develop a less vicious breed; however, before this could be done a well-meaning meddler tampered with the colonies of African bees and they escaped.

The African bees crossed with European bees which already existed in that area of Brazil. Commercial beekeepers were pleased; the hybrid bees produced one-third to one-half more honey. Hobby beekeepers, however, did not like these Africanized bees because the bees retained certain of the aggressive traits of their African ancestors. Nevertheless, honey bees were soon kept extensively and profitably in the tropical areas of Brazil.

It is difficult to know what prompted the publicity about Brazil's Africanized bees which appeared in our own press in the mid-1960's and again this year. The new hybrids in Brazil are less furious than the bees native to East Africa; however, they are more aggressive than the bees in North America and Europe and those which lived in Brazil prior to the introduction of the Africans. It is possible that hobby beekeepers, persons accustomed to handling bees only in perfect weather, and under ideal conditions, signalled the onslaught to the press. A second possibility is that the appearance of honey bees in areas of Brazil where they could not be kept before was causing the new press coverage.

Still a third possibility exists. Only three years ago entomologists at Cornell University found a new, accidentally introduced, European yellow jacket that had become a common pest at picnic benches around central New York State. The introduced yellow jacket looks much like our native species of yellow jackets; it is the same size as a honey bee and many people, even some knowledgeable friends of mine, confuse honey bees and yellow jackets. Wasp, hornet, yellow jacket and bee, whereas they have real meanings to those who work with these insects, are terms used interchangeably by most

people. Simultaneous European yellow jacket bee stings in New York honey bee population declined in most areas that an increase in bees, may in part be a result of misinformation from

By the early 1900s Agriculture had recognized the danger of the African question of African attention. The chief of these bees posed a threat result was an examination site team sponsored by Sciences. Their report Committee on the Research Council, was issued in 1972.

A researcher from queens from Brazil to found that worker bees queens could not form their evolution in that had lost this ability. Africanized queens placing them into a colony. The Polish bees form Africanized queens



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people. Simultaneous with the spread of the European yellow jacket was an increase in reported bee stings in New York State. This was unlikely since honey bee populations remained steady or actually declined in most areas of the state. It is possible that an increase in stings by wasps, but not by bees, may in part be the source of similar misinformation from Brazil.

By the early 1970's, the U.S. Department of Agriculture had received so many inquiries about the danger of the Africanized bee that it decided the question of Africanized bees in Brazil deserved attention. The chief question was whether or not these bees posed a threat to the United States. The result was an examination of the problem by an on-site team sponsored by the National Academy of Sciences. Their report, under the title Final Report Committee on the African Honey Bee, National Research Council, National Academy of Sciences, was issued in 1972.

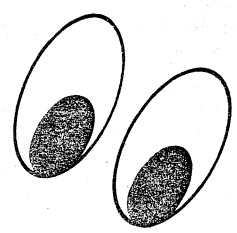
A researcher from Poland carried Africanized queens from Brazil to Poland in the late 1960's. He found that worker bees produced by the Africanized queens could not form a *winter cluster*. Through their evolution in tropical Africa, they apparently had lost this ability. It was possible to keep the Africanized queens alive through the winter by placing them into a colony of Polish bees in the fall. The Polish bees formed winter clusters and kept the Africanized queens alive through the winter. In

order to keep warm and survive the harsh, northern winter, bees huddle together in a large continually moving sphere, called a winter cluster. The bees on the inside of the ball are warmed, then move to the outside, exchanging places with the outside bees to allow them to get warm.

The Africanized queens started to lay eggs in January in Poland as do normal queens. By May the population of Polish worker bees had been replaced by Africanized bees. Thus, for research purposes the colonies were fully Africanized in the summer. Most interesting was the fact that the aggressive traits of the Africanized bees were lost under the temperate conditions of Poland.

Thus, we see that if introduced into northern North America, African or Africanized bees could not survive without special assistance as they could not form winter clusters. More important, their temperament would not be the same as it is in Brazil. African bees and their Africanized cousins in Brazil are tropical bees and behave as such in a tropical climate. They thrive in the tropics where European bees do not do well. The Africanized bees will perhaps continue to spread north in the tropical and subtropical area of South America; however, they pose no problem for us in the temperate zone.

I went to Brazil in 1973 because I could not believe the newspapers' reports I read and many statements in the American Committee Report were simply incongruous. What I found was a well-



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developed, successful commercial beekeeping industry. I was told that Brazil produces more honey today than ever before. I had good visits with two men, each of whom owned about 2,000 colonies of Africanized bees which they used in migratory operations. They were enthusiastic about "their Africans". When I commented that they owned and operated some "nasty bees" they laughed. They said that considering the extra honey they made they could afford to wear an extra pair of pants and take a few more stings! One of these men had been a commercial beekeeper since 1936 and the other since 1944; it was obvious both men had plenty of experience with European bees and those from Africa.

What can one say about the continuing reports of the "killer bees"? Many such reports are written innocently and from hearsay. However, some inflammatory statements are often inserted to make the "reading" more exciting. I now have good information to show that one of our national TV stations "staged" an Africanized bee story in Brazil clearly for the sake of sensationalism. These people had asked this country's experts for advice. They paid little attention to us or to Brazil's bee experts. The shots of excited honey bees aired on TV could have been made just as well in New York, California, North Dakota or any other state.

It is important to remember that we do know quite a bit about honey bee biology. More books have been written about the honey bee than about any other animal species. True, we still don't know as much as we would like.

Honey bees will protect their home when it is attacked. Even in this country, beekeepers do not

work their colonies without protective clothing, a veil to protect the ears, nose and face and a smoker to calm the bees.

Beekeepers in this country tell me the publicity given the African bees has caused many persons to ask questions. Unfortunately some people unnecessarily fear bees and the possibility of ferocious bees invading the country, coming here and attacking them is more cause for alarm to them. It has always been interesting to me that the scare stories about the "killer bees" don't come from Africa itself; we know that the Africanized bees in Brazil are less prone to sting if their hives are being disturbed than their ancestors in Africa.

Other races of bees, too, are noted for aggressiveness. I have observed that beekeepers in England wear far more protective clothing than do their counterparts in this country; in my experience, English bees are more aggressive, but less so than honey bees from the Island of Cypress which have a long reputation for their bad tempers. Italian honey bees are the favorite in this country. They are reasonably gentle, good honey producers and do well in our temperate climate, from Florida in the South to the Canadian border in the North.

It is unfortunate that some people have a fear of honey bees. The fact that there are over 100,000 hobby beekeepers in the United States testifies to the fact that their successful management is not too difficult a task. In addition to producing a delicious, natural product, honey, our bees are most important in our specialized agriculture. Without honey bees, which for pollination can be moved into orchards, groves and fields, we could not have such a bountiful supply of food in this country of ours.

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