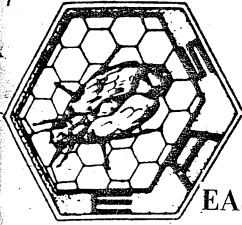


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EAS JOURNAL

EASTERN APICULTURAL SOCIETY OF NORTH AMERICA, INC.

NOVEMBER, 1974



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Tom Raney
(Aug. 28, 1916 - Sept. 9, 1974)

IN MEMORIAM

He was more than a member of EAS, more than past President and Secretary-Treasurer, he would say, "be sure to mention the bowls are sterling silver." The same may be said of his character.

He leave us immeasurably poorer. His home was "Stony-brook" on Cornwall Bridge Road, a mountain side cottage and arboretum in the woods. There, under his care tuberous begonias bloomed in profusion around the greenhouse while fuchsias of diverse species hung blooming from the branches of the old apple tree not far from the purple foliaged weeping birches and clumps of ferns the species names of which he knew by heart. At the back of the gardens next to the real stony brook stood his bee hives, for he was equally at home among horticulturists and apiculturists.

Ardent supporter of BRA, Apimondia, EAS, the young hobbyist or old scientist; he loved plants, animals and his fellow beekeepers. Tom was a good friend and a busy worker; he leaves our colony with much done and, by his example, much that we, fellow workers, must do.

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COND CLASS PRIVILEGE
PENDING AT
South Amboy, N. J. 08879

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20th Annual Eastern Apicultural Society Conference Guelph Ontario

Meeting at Ontario Agricultural College, now the University of Guelph, during its centennial year EAS drew almost 500 beekeepers to its 20th annual conference.

A variety of speakers presented information underlining the changes that are sweeping the beekeeping industry today. Ontario, for example, with about 100,000 colonies and 2200 beekeepers is experiencing a changed beekeeping climate as corn replaces legumes across much of the Province. At the same time, Western Provinces are supporting increased colony numbers as new lands are opened and additional areas are planted with nectar producing plants, according to Professor P. W. Burke from the University of Guelph. Similar changes in beekeeping patterns are occurring at the United States as beekeeping associations everywhere report increased interest in beekeeping.

Dr. Norman Gary, recipient of the Hambleton award, spoke about his studies of foraging patterns conducted by use of magnetic numbers which are glued to workers captured in the field and retrieved by matnets fastened on colony entrances of all surrounding apiaries. Films illustrating this productive technique and slides showed how such studies guide growers and beekeepers in pollination management. Additional subjects discussed during the Thursday morning session included a report on the Bee Research Association's support of apiculture by Professor Townsend and progress in the

understanding of queen determination biochemistry by Dr. Dixon. In the evening Dr. Smith showed slides of beekeeping techniques developed in Kenya and hives being tested for management of African bees under conditions where beekeepers have little money to purchase or manufacture American beehives and termites destroy hives placed on the ground. During a tour of the University Apiary the crowd was most interested in such hives which were on display.

During the Friday session nectar secretion (Dr. Shuel), nutrition of honey bees (Dr. Nation), USDA research programs (Dr. Levin), and wintering of bees (Dr. Johannson) were discussed.

The Saturday session covered insect control in Ontario (Dr. McEwen), Ontario Beekeepers Association activities (Mr. Davies) apicultural research in Canada (Dr. Cartier), chalkbrood disease (Dr. Gochbauer) and trends in pollination (Dr. Martin).

The group took side trips to the Oliver Clubine Beekeeping Equipment Plant and Alexander Graham Bell Homestead in Brantford Ontario.

At the Friday night banquet the Hambleton Award was presented to Dr. Gary and Bows presented to winners of the shows. Winners were: The President's Trophy awarded for Chunk Honey; Donor: Mr. Hugh Macleod, Scarborough, Ontario; Winner: Mr. Richard Corrigan, Reading, Massachusetts.

The A. I. Root Trophy awarded for Comb Honey; Donor: the A. I. Root Company, Medina Ohio; Winner: Dr. Richard Taylor, Trumansburg, New York.

The R. B. Willson Trophy awarded for Extracted Honey; Donor: R. B. Willson, Inc. New York, New York; Winner: Mr. Guy B. Pendleton, Hagerstown, Maryland.

The Dutch Gold Honey Trophy awarded for Honey Cookery; Donor: Dutch Gold Honey, Inc. Lancaster, Pennsylvania; Winner: Mrs. Ruth Cahn, Gore, Virginia.

The Dadant and Sons Trophy awarded for Beeswax; Donor: Dadant & Sons, Inc. Hamilton, Illinois; Winner: Mr. Raymond Churchill, Watertown, New York.

The Carlton Slater Trophy awarded for Mead; Donor: Mr. Carlton Slater, Larchmonth, New York; Winner: Mr. Paul Comer, Melrose, Massachusetts.

The Directors Trophy awarded for Gadgets relating to Bees; Donor: the Officers & Directors of the Eastern Apicultural Soc.; Winner: Mr. Charles Divelbiss, Mansfield, Ohio.

The Eastern Apicultural Society Sweepstake Trophy awarded for the greatest number of ribbon points in all of the Society's shows; Donor: The Eastern Apicultural Society of North America; Winner: Mr. Raymond Churchill, Watertown, New York.

EAS JOURNAL Eastern Apicultural Society of North America, Inc.

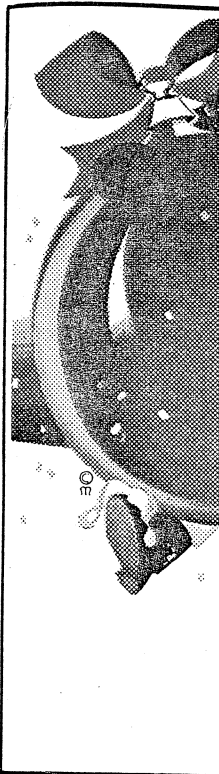
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Published Monthly at 109 No. Feltus St., South Amboy, N. J. Second Class Privilege applied for.

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.

Vol. 2, No. 6, November, 1974



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 In the evening Dr. Smith
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 Richard Corrigan, Reading,

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Honey Trophy awarded for
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er Trophy awarded for Mead;
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 er, Melrose, Massachusetts.

Trophy awarded for Gadgets
 or: the Officers & Directors of
 ral Soc.; Winner: Mr. Charles
 Ohio.


icultural Society Sweepstake
 the greatest number of ribbon
 Society's shows; Donor: The
 Society of North America;
 nd Churchill, Watertown, New



CHRISTMAS CHEER

A Christmas bright and cheery is our greeting to you. And add our thanks for your generous support.

From the Officers of the Eastern Apicultural Society



HAPPY NEW YEAR

This refrain is for the best of years with a special chorus of thanks.

From the Officers of the Eastern Apicultural Society

The Honeybee Needs Our Help!

If the honeybee produced no honey at all, he would still be a valuable helper because of his pollination activities. But, combine his honey-making talents with his ability to pollinate crops and flowers, and you come up with a truly remarkable little creature.

The trouble is, in some areas, honeybee numbers and honey-making operations are deteriorating. Changes in land use, predators, unwise spraying practices, and other factors are entering the picture.

Consider this flight of some western honeybees, for example. They make a circuit from the original home in Montana to California where they are used for pollinating almonds and prune plums. From there they are transported into Washington state for pollinating apples and pears. Then they are taken back again to Montana for honey-making.

The shortage of bees in some areas is critical for pollination. No fewer than 62 seed and fruit crops grown in the United States depend on insect pollination or have shown definite increase in yield and quality resulting from the pollinating activity of bees. These crops range all the way from alfalfa to watermelons.

The value of the honeybee is infinite. Consider recent research at the University of Wisconsin which shows that placing honeybee colonies in strawberry patches can result in more and bigger berries. Although strawberries can pollinate themselves, they are only 70% to 80% efficient. Partially pollinated strawberries may be malformed and small.

Honeybees appear to supplement self-pollination in two ways, say the University of Wisconsin entomologists F.E. Moeller and C. F. Koval. The female part of the strawberry flower is receptive to pollen long before the male part on the same flower splits open and releases pollen.

Thus, bees encourage cross-pollination, already a structurally favored option in strawberry plants. Also bees help compensate for bad weather by pollinating when conditions are unfavorable for self-pollination.

The Wisconsin study showed that honeybee-pollinated strawberries from plots that had been open or caged during the blooming period were about 10% larger than berries grown in plots that excluded bees. Also, the average yield was about 20% greater from honeybee-pollinated plots than from self-pollinated plots.

The Wisconsin researchers point out that the most important factor in berry size and yield appears to be the mere presence of bees. They recommend that growers rent honeybee colonies during the bloom period or raise and utilize their own colonies. About one colony of 25 to 30 thousand bees for every two acres seems to be most desirable. However, using fewer colonies should also offer some benefits.

Clarification of EAS Dues Structure

This is to clarify the dues structure of the Eastern Apiculture Society. The by-laws read that any bonafida beekeepers association that pays \$25.00 per year more or less entitled to send one delegate to the E.A.S. convention. Individual memberships are available at the following rates: \$3 per individual member, \$4 per husband & wife membership, \$6 per family membership, \$50 for a commercial membership, and \$100 for a life membership. Two dollars of the individual membership fee entitles the member to receive the E.A.S. journal, which is published semi-monthly.

As of the last Director's meeting, October 4, 1974, all persons registering at the E.A.S. convention in Massachusetts in 1975 will automatically become an individual member for the ensuing year.

J.C. Matthenius, Jr.

100 to 200 eight-frame Colonies for Sale. Contact:
Mr. Howard Norton
Limerick, N. Y. 13657

BOUNTIFUL

THANKSGIVING



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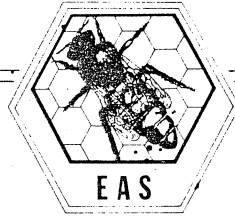
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N. Y. 13657

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APPLICATION FOR MEMBERSHIP

IN THE

Eastern Apicultural Society
OF NORTH AMERICA, INC.

The undersigned hereby applies for membership in the Eastern Apicultural Society of North America and will be so enrolled upon approval of the Membership Committee and payment of the annual dues.

Date _____

Name _____

Home Address _____ (Zip) _____

Home Phone: _____

Office Address _____ (Zip) _____

(Please fill in both addresses and check the one preferred for mail.)

Office Phone: _____

Business or Profession _____

Apicultural Hobby _____

Proposed by _____

Please fill out and mail to the Secretary - Treasurer,
Cornwall Bridge Road, Sharon, Connecticut 06069

\$3.00 Individual Membership
\$4.00 Husband and Wife membership
\$6.00 Family Membership

\$ 50.00 Commercial Membership
\$100.00 Life Membership

Board of Director Meeting Bourne Mass, October 5, 1974

President K.G.A. Andersson called the meeting to order. The following Officers and Directors were present: K.G.A. Andersson, President; Dr. Dewey Caron, Md.; Mr. Earl Cochran, Past President, W.Va.; Charles Divelbiss, Ohio; Dr. Douglas Gay, Del.; Mr. Philemon J. Hewitt, Conn.; Mr. Arthur Holmes, Trustee, Md.; Mr. Ross Hopkins, Ont.; Mr. Hugh Macleod, Past President, Ont.; Mr. Fred Magee, Vice President, Mass.; Mr. Charles Mraz, Vt.; Mr. Jacob Matthenius, Jr., Past President, N.J.; Mrs. Marie Morse, Historian and Acting Secretary-Treasurer, Conn.; Dr. Dave Newton, Public Relations, Conn.; Mr. Howard Norton, New York; Mr. Rivhall Perry, R.I.; Mr. Pat Powers, Second Vice President, Va.; Mr. George Rigby, Mass.; and Walter Wilson, N. J.

Guests: Mrs. Caron, Mrs. Cochran, Mrs. Gay, Mrs. Holmes, Mrs. Hopkins, Mrs. Macleod, Mrs. Magee, Mrs. Matthenius, Mrs. Newton, Miss Carol Newton, Miss Gail Newton, Mrs. Perry, Mr. and Mrs. Corrigan, Mrs. Rigby, Mrs. Divelbiss and Mrs. Wilson.

OLD BUSINESS:

1. It was moved (Cochran-Holmes) to dispense with the reading of the minutes which were distributed in written form. The attached treasurer's report was correct as of the August meeting. Bills from Canada have not yet been received. Carried.

2. Dr. Caron reporting for the Sites Committee, said dates had not been selected for Virginia but dates will probably be set about a week before the International Entomological Conference. A motion (Caron-Holmes) that the Board of Directors recommend changing the By-Laws by striking out, "at the state or land grant college" from Amendment 4, Section 1. Carried. This would permit meetings at the best facilities available regardless of ownership.

3. President Andersson named Newton, Powers, and Carol to the By-Laws Committee and directed them to prepare appropriate recommendations for the next annual business meeting.

4. A letter from Ontario (Boch and Hopkins) was received outlining meeting possibilities near (in?) Ottawa. It was moved (Matthenius-Rigby) to refer the letter to the Sites Committee for their study and recommendation. Carried. Charles Mraz mentioned possibilities for a meeting in Vermont at some future time.

5. President Andersson appointed Cochran, Norton and Wilson to the Resolutions Committee.

6. President Andersson appointed Hugh Macleod to a three year term on the Life Membership Fund Committee. Already serving are Art Holmes, chairman, Art Dean and the Secretary-Treasurer ex officio.

7. The Hambleton Award Committee of Michael, Benton and Boch continues.

8. President Andersson appointed Hopkins (three year term) and Mraz (two year term) to the

Research Committee. Dr. Caron continues and will be chairman.

9. President Andersson appointed Newton Director of Public Relations, Morse, Historian and Mrs. Hopkins Canadian Scene Correspondent.

10. A motion (Newton-Cochran) permitting the EAS Journal to be mailed first class when necessary was carried. This would prevent delay in the mails of a number carried important meeting information.

11. A motion (Cochran-Holmes) that the registration fee be raised from \$7.50 to \$10 and include a membership in EAS and cost of a subscription to the EAS Journal. Carried.

12. A motion (Cochran-Caron) to have the EAS Journal published bimonthly and be subsidized from the treasury until such time as it becomes self sustaining. Carried.

13. Extra copies of the Journal will be published. State Directors should request from Editor Matthenius the number of copies they wish to use for distribution at local meetings of one kind or another.

14. The minutes are to be sent to each Officer and Director along with addresses (see list).

15. A motion to have K.G.A. Andersson represent EAS on the Honey Industry Council. Carried.

16. Marie Morse reported that we have a bill for \$350 from Apimondia. The next meeting is in France, September 1975. It seemed evident that several members would be attending, so it was moved (Cochran-Caron) to pay the bill. The motion carried and a delegate will be named at a later date.

17. A discussion of an EAS scholarship fund was tabled.

NEW BUSINESS:

18. In view of the sustained efforts of Tom Raney for EAS over a period of years, it was moved (Matthenius-Gay) that the Director's Bowl be named the Tom Raney Trophy for 1975. Carried. The Directors promptly paid their assessment for last year's bowl.

19. President Andersson announced that he had named Mrs. Morse Acting Secretary-Treasurer. This was approved. Dave Newton will help out.

20. The next Directors meeting will be April 4 and 5 probably near the New York line. Meeting adjourned.

Dave Newton, Dir. of Public Relations
for Marie Morse, Acting Sec.-Treas.

ASSOCIATED MATERIALS

The group toured the Massachusetts Maritime Academy and were very pleased with the grounds, accommodations and meeting facilities. The care and effort devoted to the coming meeting by the Massachusetts group was very evident.

The best I can do with addresses is:
Homer Powers, State Apiarist
203 North Governor St., Richmond, Va. 23219
Howard J. Norton

(continued on page 7)

Have you
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Board of D

Limerick, N.
Fred Magee
148 Turnpike
Wait Wilson
83 Chestnut
*Rivhall J. F
East Shore F
*George Rig
Cedarcrest A
Philemon J.
Route 2, Litch
Dr. Douglas
Rt. No. 1, Be
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Dewey Caron
2106 Hannon
Arthur Dean
80 Hawthorne
Earl P. Cochran
Box 148, Sha
*Newly electe

Bee Brood for Human Nutrition

by
Dewey M. Caron, University of Maryland

Have you ever thought of eating bee brood? In some parts of the world, insects are regularly eaten as a part of, or as a supplement to, the diet. Many

people have tried chocolate covered bees or ants (and even other insects) but few know that bee brood can also be consumed. Other animals know about and like bee brood. The bear is one of these. Apparently bee brood is available in some parts of Canada and Japan. Why don't we eat bee brood ourselves?

The chemical composition of the immature stages of the honey bee are well enough studied to be able to give a clear picture of what we would be eating. Bee brood is a very rich source of protein and also contributes fat and carbohydrates. Bee brood contains a substantial source of Vitamin A as well as of Vitamin D. Harmful substances are not known.

It is not difficult to collect bee brood for consumption. The easiest method seems to be by removing the cappings of the pupae with a cold serrated knife and then shaking the frame in one swift movement down with the top edge striking a block. The brood should fall into a tray when the frame strikes the block. Pupae are easier to obtain than the larvae. Bee brood does not seem to keep well and should be collected only when ready to use.

Taste panels have tried bee brood after a number of methods of preparation. These include oven drying, smoking, vinegar brandy pickling as well as keep fat frying and shallow pan frying. In these tests, the preferred method of preparation has been either deep fat or pan frying. In frying bee brood, one of the important things seems to be to cook the pupae fast and to not let them take up excess fat. The method of deep fat frying seem to work best as there is less breaking up of the pupae while cooking. Tasters compared fried bee brood to such things as walnuts, crackling, sunflower seeds and rice krispies. There was little reluctance to trying the preparations and tasters called the fried materials attractive. Most were willing to accept it.

Delaware

Delaware Beekeepers Association State Meeting

The Delaware Beekeepers Association will hold its winter state meeting on December 14, 1974 at the University of Delaware in Agriculture Hall from 10:00 to 4:00.

A strong program has been developed with speakers, films, and reports. The guest speakers include: Dr. Roger A. Morse, Professor of Apiculture, Cornell University, Ithaca, N.Y.; Lewis Kelsey; Communication Among Bees; Frank Boys; Insecticides and Beekeeping; and Donald Smith, Delaware Bee Inspector.

All interested people are welcomed to attend any session during the day.

Board of Directors --

(continued from page 6)

- Limerick, N. Y. 13657
Fred Magee
148 Turnpike St., West Bridgewater, Mass 02379
Walt Wilson
83 Chestnut St., Fairhaven, N. J. 07701
*Rivhall J. Perry
East Shore Road, Jamestown, R.I. 02835
*George Rigby
Cedarcrest Ave, Salem, Mass 01970
Philemon J. Hewitt, Jr.
Route 2, Litchfield, Conn. 06759
Dr. Douglas M. Gay
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R.E. Ross Hopkins
R.R. No. 3, North Gower, Ontario
Canada K.O.A. 2T0
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*Charles Divelbiss
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*Charles Mraz
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*William P. Specht
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Dewey Caron
2106 Hannon St., Adelphia, Md. 20783
Arthur Dean
80 Hawthorne Ave., Pittsburgh, Penn. 15205
Earl P. Cochran
Box 148, Shady Spring, W. Va. 25981
*Newly elected directors for a four-year term.



Jack Matthenius, New Jersey Supervisor of Bee Culture, demonstrates honey extraction at Delaware Valley College.

Beekeeping Short Course Well Attended

The Beekeeping Short Course, offered by Delaware Valley College this summer, was well attended and because of the response two more courses will be offered during the Spring (April) and summer (June) of 1975.

The course, offered under the direction of Dr. Robert Berthold (Assistant Professor of Biology) in cooperation with Mr. W. W. "Bill" Clarke (Penn State Honey Bee Extension Specialist) and Mr. Jack Matthenius (N.J. Supervisor of Bee Culture), took

place on the Delaware Valley Campus where students could witness first hand bee demonstrations held at the College Apiary.

Topics covered during the three-day course included everything from raising bees to honey extraction to making candles out of beeswax.

Applications for the courses offered next year may be obtained by writing Dr. Berthold, or calling him at area code 215-345-1500.

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