

EAS Journal

Journal of the Eastern Apicultural Society of North America, Inc.

Vol 17, No. 2

Spring 1989

EAS-89 New Hampshire — Cancelled — How and Why

Bob Cole wrote to each dues paid EAS member on May 10 advising them that the EAS Board had decided to cancel this year's annual conference and short course at the University of New Hampshire, scheduled for July 9-15. In his letter he promised to fill the membership in on details of the cancellation decision in this edition of the *Journal*. The following is a description of the events that lead up to this decisions.

Each year's conference involves a complicated and detailed agreement between EAS and the host college, covering expenses, liability, facilities, and services to be provided, restrictions, dates and deadlines, etc. These commitments are normally made, first in discussion and verbal agreement, and then, later confirmed in writing by both parties involved - usually before the EAS Board's spring meeting.

This procedure has taken place each year for the past 34 years. Unfortunately, this year the system didn't function until late April, at which time the University of New Hampshire presented us with an extremely detail and rigid set of requirements, legal documents, forms to be completed and excessive deposits to be made, almost immediately (the entire package was 1/4 inch thick!). We received this package on April 28 with the requirement that they be fully agreed to, executed and returned with deposits no later than May 12.

The primary stumbling blocks that we faced with their agreement terms were the following:

1. We had to guarantee a minimum of 50 and a maximum of 75 attendees at the Short Course, deposit \$950 by May 12 and \$2,400 additional by June 9 along

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EAS SHORT COURSE IN BEEKEEPING RE- SCHEDULED FOR LITCHFIELD AUG. 21-24.

When I was given 'marching orders' to find an alternate location for the 1989 EAS Short Course in Beekeeping and EAS Master Beekeeper Examination, I immediately considered facilities I had used before. The Short Course needs a facility which can house between 50 and 100 people, provide food service, and allow beekeeping activities. Since I also expected to double as 'local host committee'

on such short notice, I decided it better be close to me in Connecticut.

Fortunately, the facility I selected has met with the approval of key EAS Directors and the program, budget, and fees have been approved by the Finance Committee. But most important, I feel that many EAS Short Course participants will find a rewarding educational and social experience. Enroll early please.

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EAS Journal

Volume 17
Number 2 — Spring 1989
Larry Connor, PhD, Editor

Information about the Society and it's Journal

The *EAS Journal* was established in 1973 by the Eastern Apicultural Society of North America, Inc., as a means of promoting the art and science of beekeeping in the Northeastern areas of the United States and Canada.

EAS Directors are elected by the State Association and serve for a four-year term. The Board of Directors meets three times a year, and plays an active part in the organization of each conference.

Member associations pay annual dues to EAS. This entitles the organization to send one official delegate to each annual conference. A delegate acts on behalf of his or her local and/or state beekeeping association by voicing concerns and making recommendations from their respective organizations.

Dues are \$10 for an individual, associate or family membership, \$30 for a State or Provin-

cial Association, and \$150 for Life Membership.

For further information contact the Secretary, Loretta Surprenant at (518) 846-8020 (days) or at Miner Institute, Chazy, NY 12921.

Dues payments should be sent to the Treasurer, Don Chirnside, 201 Briarbrook Drive, North Kingston, RI 02852. Mr. Chirnside maintains all membership data.

The publication of the *EAS Journal* is controlled by the Board of Directors working through an Editorial committee which oversees the editor's work.

Items of an editorial nature — events of local organizations, letters to the editor, member news, and items of national interest — should be sent directly to the editor. This includes new product information from beekeeping suppliers. Send such items to Dr. Larry Connor, c/o BES-Wicwas, P.O. Box 817, Cheshire, Connecticut. Phone 203 271-0155.

Items regarding EAS membership should be sent to the EAS Treasurer, Mr. Chirnside, whose address appears above.

Items of a general nature should be brought to the attention of the Secretary, Ms Surprenant., whose address also appears above.

— Loretta Surprenant and Larry Connor

Dues are \$10 for an individual, associate or family membership, \$30 for a State or Provincial Association, and \$150 for Life Membership.

Editorial

A TIME TO COMMUNICATE, AGAIN

The cancellation of the 35th Annual Conference is an unfortunate event which is likely to keep beekeepers talking for some time. But as you can read in our lead article, the events were largely unavoidable. EAS could not afford to gamble with its entire treasury. Members are often quick to grumble if something inconveniences them, and UNH had a plan to inconvenience nearly everyone.

At the Spring Directors meeting two alternate approaches to the 'traditional' EAS meeting were mentioned, and I will review them here. First, would it be possible to find one central college and meet there on an annual basis? Our friend Karl Showler points to the English preference for doing this: "That way everyone knows where the silverware is kept". Certainly there is an advantage in returning to the same place year after year. But that automatically displeases those in the far corners of "EAS territory". Perhaps a rotation of two or three locations (northern, central and southern) could be developed.

The second idea is to use a commercial motel or resort rather than a university or college. The days (or nights) of the \$5 dorm room are over. Summer is peak season for many colleges in selling their space to outsiders. And peak season means peak rates.

Perhaps the two ideas can be pulled together. But there will be pressure on the Maryland and North Carolina Conferences to lead the way to an ultimate solution.

I think too it is time to re-evaluate the way EAS conducts its conferences. Every year a new President must develop a network of support staff — all unpaid — and conduct a conference. This has been compared to re-inventing the wheel every conference. True, Dewey Caron and others worked on guides and checklists and these are absolutely essential to the success the Society has obtained.

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EAS - HOW AND WHY

with a complete list of attendees by name, sex and room requests, in alphabetical order. The deposits were non-refundable.

2. Similarly, we had to guarantee a minimum of 350 and a maximum of 400 attendees at the Conference, deposit \$4,700 by May 12 and \$11,700 additional by June 12 along with a complete list of attendees by name, sex and room requests, in alphabetical order. These deposits were, also, non-refundable.

3. Regardless of how many people registered for the Short Course and Conference, we had to guarantee and pay for no fewer than the above numbers of attendees and no more than 10% additional attendees if our registrations exceeded these counts. These additional payment obligations amounted to \$27,425, even if no-one registered for the Short Course and/or Conference!

Experience at recent EAS Conferences has proven that the above mentioned constraint would be impossible for us to comply with — practically and financially.

There were many other "nuisance" requirements that the University refused to waive, including:

1. All attendees had to check in over a specific 2 hour period (4-6 pm) for the Short Course and a 4-hour period for the Conference.

2. All EAS parking had to be in a single parking lot and all cars parked elsewhere would be ticketed.

3. All checkouts had to take place between 8 and 11 am, in spite of the fact that the Short Course and the Conference would still be going on at those hours.

4. A \$30 fee would be charged for all room keys not returned, \$10 for all building keys not returned.

5. All promotional material mentioning the University had to be approved by UNH prior to printing and publication.

6. The University reserved the right to enter any attendee's room at any time and for any reason.

7. The University reserved the right to terminate our agreement at any time "when facilities are required for public necessity", meaning that they could cancel us out at any time prior to or during the conference.

Although the University claimed that they had shown a similar typical contract package to our President, Joe Blodgett, as early as November, 1988, the first time we saw the completed document was April 28. During the spring, Joe requested and received financial figures from the University for most of the charges to be included on our registration form. The registration form was finally com-

pleted on April 27, at which time it was sent out for printing and distribution to the membership and the beekeeping media. It was scheduled to be mailed on May 5 via first class mail to all current EAS members.

On April 29, the day after he received the University's contract package, Joe Blodgett sent it to the Finance Committee (Charles McKellar, chairman, Don Chirnside, and Allan Corderman) for review and advice as to how to proceed. The committee studied the package and reported their recommendations to Bob Cole, Chairman of the Board of Directors, on May 1. At Bob's request, the Finance Committee attempted to negotiate changes in the University's requirements on May 3, however they refused to make any significant changes. On May 4th and 5th all other universities and colleges in New Hampshire were contacted to see if they could accommodate our conference. Unfortunately, they were all either fully committed or had insufficient space for our requirements during the entire summer of '89. A commercial conference center was also contacted, however, it was far too expensive for our needs (ie: \$130 per day double and \$105 per day single plus very expensive meal charges).

On May 5 Bob Cole also attempted to negotiate changes in the UNH demands and, after over an hour of discussion by telephone, he was unable to modify their position to any meaningful degree. Bob then polled the Board members by phone on May 5, 6 and 7 as to their feelings about the situation and, in all cases, each board member contacted voted to cancel the 1989 Conference at UNH. The University was notified that we were unable to meet their requirements on May 8 and Larry Connor was asked to begin planning an alternative Short Course and Master Beekeeper exam at a convenient location some time later this summer (announcement and details of the 1989 Short Course and Master Beekeeper exam appear elsewhere in this issue of the *Journal*). In a letter dated May 10 Bob Cole advised all current EAS members and the beekeeping press of the Board's decision to cancel the 1989 Conference and Short Course at the University of New Hampshire. (Incidentally, we have heard recently that over a third of approximately 40 conferences scheduled at UNH this summer have cancelled, presumably for the same reasons we cancelled).

Looking back over these events, the Finance Committee is planning to advise the Board of Directors to require full documentation of all future EAS conferences be accomplished no later than the spring board meeting (usually the end of March). The Committee will also suggest that the Finance Committee be included in all contractual matters with the host college or university from the beginning of negotiations to assure their fair and successful completion on a timely basis. —EAS Finance Committee.

Litchfield Site of EAS Short Course & Master Beekeeper Exam in August

The Eastern Apicultural Society has rescheduled the 1989 EAS Short Course in Beekeeping for August 21 - 24, and the Master Beekeeper Examination for August 24. "These events will be conducted at the White Memorial Conservation Center in Litchfield, CT using the Carriage House on the grounds of this unique 4000-acre preserve located on route 202 west of Litchfield in northwest Connecticut" reports Larry Connor, Coordinator of the Short Course.

The 1989 EAS Short Course in Beekeeping will begin with registration check-in at 9:30 am on Monday, August 21. The course will begin at 11 am and continue days and evenings until noon on Thursday August 24. Pre-registration is required.

Scheduled speakers include Dewey Caron, University of Delaware; Clarence Collison, Mississippi State University; Diana Sammataro, author of *The Beekeeper's Handbook* and currently a manager for the A.I. Root Company; Bob Wellemeyer, Apiary Inspector for the Virginia Department of Agriculture; Larry Connor, Beekeeping Education Service - Wicwas Press; Anthony Jadcak, Apiary Inspector for the State of Maine; and Mary Ann Tomasko, Research Entomologist, Penn State University. "We were forced by the cancellation of the New Hampshire Conference to make a number of changes in our earlier program, and have added a variety of extra touches" says Connor. "This has meant a number of changes in our teaching faculty but the final product represents a remarkably well-rounded group of instructors in terms of both experience and teaching abilities."

The Carriage House includes a large meeting room for 125 with dining tables and a full kitchen. The facility was remodeled in the early 1980's and parts are nearly new. While not air-conditioned, it is in the woods. The Carriage House has two dormitories, one for men and one for women.

Each sleeps 30 people. Depending upon the make-up of the enrollment, couples may be housed with single women in adult camp fashion. In addition, camping facilities for tent and camper are located on site. "Overnight lodgings in the Carriage House will be available on Monday, Tuesday and Wednesday nights only, due to prior bookings at the Center," Connor notes. "However, tent and trailer campers may be able to book earlier or later in the week. Motel facilities off site will be available for those who want air-conditioned comfort."

Motels range from budget-style facilities in nearby Torrington to deluxe bed and breakfast facilities in Litchfield which cost over \$100 per day.

"Working with Dr. Collison, we have scheduled the Master Beekeeper exam to start at 8 am on Thursday, August 24th." Connor said. "Master Beekeeper applicants not attending the Short Course should plan to arrive Wednesday evening or very early Thursday morning." The exam will take most of the day, Connor added. "Traditionally, Master Beekeeper applicants have attended the EAS Short Course in Beekeeping as a review for the exam. However, we do not teach the exam, or even attempt to do so - to pass the Master Beekeeper exam, a person needs much more than 3 days of preparation," Connor explained.

Master beekeeper exam applications must register in advance with Dr. Collison before they will be allowed to register at the Carriage House.

Short Course subjects will be varied, Connor explained, with several new and timely twists. "We have made arrangements to use the new Penn State computer program which is designed for interaction with the user in disease and problem identification. Beekeepers will be shown how to use a Macintosh com-

"Several of our speakers will bring materials they are currently using in regulatory and research work, with samples of honey bee tracheal mites, varroa mites, and nosema."

puter to decide what a particular disease or problem might be, and then to find out what can be done with it. I expect to find beekeepers working in their spare time on this option," Connor stated.

"In addition, we will have a heavy emphasis on disease and mite recognition and examination," Connor added, "While we will not have a college laboratory available, we hope to duplicate key activities which beekeepers might be able to do at home with a small amount of equipment. Several of our speakers will bring materials they are currently using in regulatory and research work, with samples of honey bee tracheal mites, varroa mites, and nosema."

"The Short Course will also emphasize basic beekeeping concepts, add to current knowledge, and bring beekeepers up to speed rather rapidly. We will visit working honey bee colonies on site and in nearby apiaries and conduct a variety of activities," said Connor. "One new subject is the use of the Jenter queen rearing system, which Bob Wellemeyer plans to demonstrate."

"We were also fortunate to obtain the services of a qualified cook to set up a full range of home-cooked meals, including evening barbecue," Connor noted. "We should have a fun session with good instructors, good food, and lots of wonderful beekeeper fellowship. We may even break out the camp songs and put on skits."

Mail your entrollment form and check to Dr. Connor at PO Box 817, Cheshire, CT 06410. Phone calls at 203 271-0155 will be answered whenever possible. Please indicate if you are interested in the EAS Short Course, EAS Master Beekeeper examination, or both.

Will you help with EAS publicity in your state/provincial/local bee club? Please use the press release for reaching new beekeepers. Thanks! •

Editorial Continued

But there also needs to be year-to-year continuity from one or a very few individuals who do much of the nitty-gritty of arranging each conference, thus freeing the President to direct, inspire, consult and perhaps enjoy the conference. Personally I think it is time to have a professional business person/conference organizer doing most of the behind-the-scenes work.

In my scenario, a person in a permanent position would have detected the UNH situation long before it ever developed. Perhaps a past president, a finance committee member, or a total outsider could run the EAS Conference in a professional manner, and on an annual basis. But still under full supervision of the Board of Directors.

It is time to communicate, again, with your state or provincial EAS Director and have them report at the August Directors meeting. We must learn from the experiences of the past few months.

Operating without any income for the next year will put pressure on the EAS treasury. I have already been asked to produce a zero-based budget for the *EAS Journal*, completely supported by advertising. Other financial adjustments are very likely.

Voluntary payment of dues will help. The board has announced that it will 'roll-over' your 88-89 dues into 1990. But wouldn't it be nice if hundreds of members paid their dues (\$10) anyway. Or became Life Members (\$150) to increase the cash reserve of the Society.

EAS members have always been ready to give an opinion. Let's use the pages of the *EAS Journal* to discuss some of the factors which will help us develop a stronger, healthier Society.

—Larry Connor, Editor

Wouldn't it be nice if hundreds of members paid their dues (\$10) anyway. Or became Life Members (\$150) to increase the cash reserve of the Society.

EAS Short Course in Beekeeping

Schedule

August 21 - 24, 1989 — Litchfield Connecticut

Monday August 21, 1989

Time	Subject	Speaker
9:30 am	Registration check-in begins	L. Connor
11:00	Call to Order	L. Connor
11:05	Welcome to Connecticut	Howe/Lucchini
11:15	Advances in beekeeping: new developments in our knowledge of bee biology - Keynote Lecture	C. Collison
12:15	Lunch	
1:15	A year in the apiary	L. Connor
2:00	Group Sessions (Sessions may have both field and lecture components) Red: Basic colony organization, Field	Sammataro and Jadcak
	Green: Queen management and rearing	Connor and Wellemeyer
	Blue: Africanized bees and neighbors	Caron and Tomasko
3:15	Break	
3:30	Group Sessions Green: Colony management for honey production	Sammataro and Jadcak
	Blue: Queen management and rearing	Connor and Wellemeyer
	Red: Africanized bees and neighbors	Caron and Tomasko
5:00	"Bee Buzz" and Free Time	
6:00	Dinner	
7:15	"Bee Aware" - Using the computer to identify problems	Tomasko
8:00	Africanized honey bees in Central America and Mexico	D. Caron
8:45	Beekeeping in Virginia	B. Wellemeyer
	Discussion and Evaluation of day's activities	L. Connor

Tuesday, August 22, 1989

6:30	Coffee in Dining Area	
7:00	Breakfast	
8:00	Varroa mites, past-present-future	L. Connor
8:45	Tracheal mites, past-present-future	C. Collison
9:30	Chemical mite controls and contamination risks	D. Caron
10:10	Break	
10:30	Disease and Mite Experiences: Examination procedures & experiences in Maine Virginia disease and mite experiences Pennsylvania mite research Other areas	Jadcak B. Wellemeyer M. Tomasko Group Participation
12:00	Lunch	
1:10 pm	Group Sessions Red: Swarm prevention and control	Caron/Sammataro

Group Divisions - Participants will be asked to elect one group based upon their experience level in beekeeping. These larger groups will be divided into smaller units, each with a "peer advisor".

- Red: Beginner or "untrained" hobbyist
- Green: Average experienced beekeeper (approximately 1-4 years experience)
- Blue: Most experienced beekeepers (more than 3-5 years of experience)

	Blue: The Jenter queen rearing system	Wellmeyer/Jadczak
	Green: Computer disease and problem solving	Tomasko/Connor Collison
2:20	Green: Swarm prevention and control	Caron/Sammataro
	Red: The Jenter queen rearing system	Wellmeyer/Jadczak
	Blue: Computer disease and problem solving	Tomasko/Connor/ Collison
3:30	Break	
4:00	Blue: Swarm prevention and control	Caron/Sammataro
	Green: The Jenter queen rearing system	Wellmeyer/Jadczak
	Red: Computer disease and problem solving	Tomasko/Connor/ Collison
5:00	"Bee Buzz" or free time, your choice	
6:00	Dinner	
7:15	Beekeeping, pollination and bear fighting in Maine	Jadczak
8:15	Beekeeping in the Sudan	M. Tomasko
9:00	Experiences in Peace Corps Beekeeping	D. Sammataro
	Discussion and Evaluation of Day's Activities	L. Connor

Wednesday, August 23, 1989

6:30	Coffee in Dining Area	
7:00	Breakfast	
8:00 am	Managing colonies through population control	L. Connor
8:45	Wasp identification and biology	D. Caron
9:30	Flora for bees	D. Sammataro
10:15	Break	
10:40	Pollination requirements of crops	C. Collison
11:30	Bees and classroom education	D. Sammataro
12:10	Lunch	
1:10	Honey processing, wvaluation and grading	M. Tomasko
1:40	Wax collection, processing and grading	D. Sammataro
2:10	Other hive products	T. Jadczak
2:40	Liquid honey production	B. Wellemeyer
3:10	Comb honey production	C. Collison
3:40	Travel to Avitabile Farm, Bethlehem	Car Pool
4:00	Observation hives as a learning/research tool	A. Avitabile
5:00	"Bee Buzz"	Avitabile Farm
6:30	Dinner	
8:00	"Theoretical models and practical applications"	L. Connor
	A Special Program to honor Dr. Clarence Collison	
9:00	Discussion and Evaluation of Day's Program	L. Connor

Al Avitabile has invited the Short Course to his farm on Wednesday afternoon.

Thursday: August 24, 1989

6:30	Coffee in Dining Area	
7:00	Breakfast	
8:00	Master Beekeeper Examination	C. Collison
8:00	Brood Diseases of honey bee colonies	T. Jadczak
8:45	Adult bee diseases of honey bees	B. Wellemeyer
9:30	Break	
9:50	Pesticides and honey bees	L. Connor
10:30	Wintering colonies in a cold climate	T. Jadczak
11:10	Landscaping and plantings for bees	D. Sammataro
11:55	Short Course Wrap-Up	L. Connor
12:10	Lunch	
1:30 pm	EAS Board of Directors Meeting	B. Cole

Short Course cont. —

Facility

We will use the Carriage House at the White Memorial Conservation Center in Litchfield, CT. It has been reserved for the EAS Short Course in Beekeeping for Monday August 21 through Thursday, August 24. It will be used August 24th for the Master Beekeeper Exam. In addition, the facility was reserved for Thursday and Friday for the Summer Board of Directors meeting of EAS.

The Carriage House is on the grounds of a privately held 4000-acre preserve located on route 202 west of Litchfield, in northwestern Connecticut. The Carriage House includes a large meeting room with seating for 125 when dining tables are set up, more if the tables are put away. There is a full kitchen facility. The Carriage House was remodeled in the early 1980's and parts are nearly new. While not air-conditioned, it is in the woods. If every EAS Director and Master Beekeeper brings an electric fan, we should have more than enough ventilation if needed. As I prepare this in mid-June, following weeks of heavy rain, a few hot summer days might be nice...what am I saying after Mount Holyoke?!!

Camping facilities for both tent or trailer-camper are located on site. The rates for using the campsites are on the registration form on page 15. These rates are per site for three nights total: Monday, Tuesday and Wednesday nights. Sunday and Thursday night camping is also available if reserved in advance. EAS has reserved and prepaid for these sites, so please reserve through EAS to guarantee you get one of our spaces. These are popular sites so don't hesitate to reserve a place.

The Board of Directors will meet Thursday afternoon and Friday morning using these same facilities. Contact Loretta Surprenant for reservations for the Board of Directors meeting.

Non-Participants

EAS members who participate in the EAS Short Course, Master Beekeeper Exam, or Director's meeting should feel free to bring family members IF they plan to use camping or motel facilities. Because of the very limited sleeping space, Carriage House facilities will be reserved for Short Course participants only from Monday through Thursday morning. Non-participants are encouraged to eat meals in the Carriage House with the participants. We will have some fun, family and social time.

Participants in the Short Course should be 12 years old or older. Non-participants may be of any age if supervised by a responsible adult (irresponsible adults must be supervised by a responsible child!?!).

Time

The Short Course would run from 11 am Monday, August 21 to noon Thursday, August 24. We will have registration check-in starting at 9:30 Monday morning. *No dormitory facilities will be available until Monday night since the facility is in use by another group on Sunday and the center must be completely cleaned before we are given access.*

Food

Finding the right food supplier was the most difficult part of the decision to meet in Litchfield. While Susan Saint James, perhaps Litchfield's most popular resident, caters on her TV show, our food options in Litchfield were either limited or expensive. There is no suitable food establishment where we can 'stop in and get a bite'. So I elected to import a fellow Cheshire resident who will serve as our cook. Her name is Stella Pellagano, and she is a former restaurant owner. We are putting together a first-rate menu, with emphasis on good summer food, seasonal foods, outdoor cooking, and lots of healthy snacks. If "campers" travel on their stomachs, we shall travel well. There will even be early morning coffee etc., for early risers.

I hope most participants will include spouses and children in the meal plan. I want to keep the short course personal and informal - more family like.

Course Content

As in previous EAS Short Courses in Beekeeping, the program will be an intense and compact program of education for beekeepers. All beekeepers are invited; you will be asked to elect one of three levels of experience for your program. This will allow the instructors to do a better job of providing materials suitable for your training. Separate lecture and field sessions will be used to accomplish this.

A Course Notebook will be given to each participant, and is included in the registration fee. This Notebook will include outlines, summaries, reprints, and materials related to the instructor's topic. It will also include paper for your notetaking.

This year's course features instructors with a wide range of beekeeping experience, from research to practical, from local to international. All of the instructors are excellent instructors and able to communicate the latest in beekeeping. There will be con-

siderable emphasis on bee problems, including bee mite parasites. We will also hear about beekeeping in different parts of the Northeast as well as the world.

Registration Fee

You will find the registration form on page 15. It indicates that the total cost of the Short Course registration AND meal package is \$165.00 per person. There are several lodging options as explained in the next section. The lodging cost at White Memorial ranges from \$10 to \$35 for all three nights — check the registration form for details.

A limited number of one-day registrations will be available for commuters/motel/ camp site residents. The cost for a single day — either Tuesday or Wednesday or a suitable 24 hour period — (3 meals and registration fee) is \$65. One-day registrations **must** be made in advance, please. After August 14, a \$15 late fee will be charged.

Lodging

The Carriage House sleeps 30 men and 30 women in two separate dormitory rooms. If we have a small number of single female participants we will use the women's dorm for both single females and couples. This is in line with other adult camping arrangements so my camping experts tell me.

Camping is allowed on the 4000 acre grounds. Tent camping is located nearby with 20 sites; tent or camper camping is near the lake with 46 sites. EAS will reserve and prepay for a certain number of camp sites in advance to ensure some space for participants. Again, the earlier you register, the better we will all be

in providing and getting what we want.

Nearby Connecticut, Massachusetts and New York residents may wish to commute. They will pay the same charges as the campers or motel residents.

Instructors

Clarence Collison, Chairman, Dept. Entomology, Mississippi State University
 Dewey Caron, Entomologist, University of Delaware

Al Avitabile, Director, University of Connecticut at Waterbury

Diana Sammataro, Author and Bee Supply Manager, A.I. Root Co., Medina, Ohio

Larry Connor, BES-Wicwas, Course Coordinator

Tony Jadczyk, State Apiarist, Maine

Bob Wellmeyer, Apiary Inspection, Virginia Dept of Agriculture

Mary Ann Tomasko, Research Associate, Penn State University

Registration Deadline

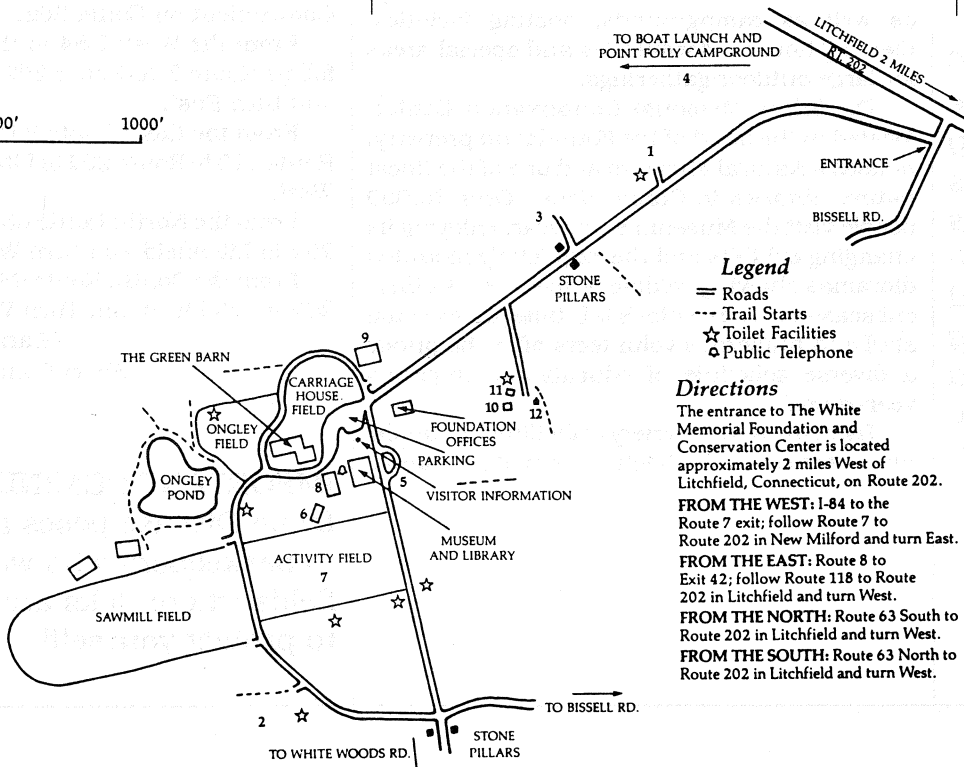
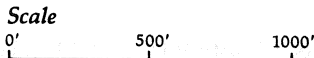
Registration materials must be postmarked by August 14, 1989. After that date, a \$15 late charge will be made.

Master Beekeeper Exam

Dr. Clarence Collison will set up examination materials on Wednesday afternoon in a separate facility. The exam will start at 8 on Thursday. A separate registration package will be available for meals and lodging for Thursday.

Commercial Displays

We cannot tie up dormitory space with com-



Legend
 — Roads
 - - - Trail Starts
 ☆ Toilet Facilities
 □ Public Telephone

Directions
 The entrance to The White Memorial Foundation and Conservation Center is located approximately 2 miles West of Litchfield, Connecticut, on Route 202.
FROM THE WEST: I-84 to the Route 7 exit; follow Route 7 to Route 202 in New Milford and turn East.
FROM THE EAST: Route 8 to Exit 42; follow Route 118 to Route 202 in Litchfield and turn West.
FROM THE NORTH: Route 63 South to Route 202 in Litchfield and turn West.
FROM THE SOUTH: Route 63 North to Route 202 in Litchfield and turn West.

mercial vendors who are not enrolled in the Short Course. However, we invite commercial interests to attend the Short Course as participants and bring handout and demonstration materials with them.

Bees on Site

We will be visiting colonies on the White Memorial Grounds (within walking distance) and in nearby apiaries (just a short drive away). Bring your personal bee-protection gear.

Social

Al Avitabile has invited us to his farm in nearby Bethlehem to visit his apiary and have a Bee Buzz. We will travel by car pool for this Wednesday afternoon event.

Hewitt Museum

The Hewitt Honey Bee Museum is located nearby, and tours for small groups can be arranged. More information will be announced during the Short Course.

White Memorial Foundation

The White Memorial Foundation and Conservation Center, located in the northwestern Connecticut foothills of the Berkshire Mountains, welcomes individuals, families and groups to its wide range of facilities for outdoor study and recreation. Created in 1913 by Alain C. White and his sister, May W. White, the Foundation and Center today comprise more than 4,000 acres of fields, waters and woodlands, 35 miles of trails, a museum and library, as well as campgrounds, boating facilities, meeting houses, dormitories and special areas for large outdoor gatherings.

The White Memorial Conservation Center, located in the heart of the Foundation property, houses a Natural Museum and one of the finest nature libraries in Connecticut. Over 30,000 people visit the Museum every year, enjoying its changing exhibits and the exquisitely mounted dioramas showing wildlife of the area at different seasons. The Center's full-time professional staff and numerous volunteers offer the public a diverse schedule of educational programs year-round.

There are a wide variety of facilities for public use — some on a fee basis, others at no charge.

Over 30,000 people visit the Museum every year, enjoying its changing exhibits and the exquisitely mounted dioramas showing wildlife of the area at different seasons.

Campgrounds

- The Pine Groves Tent Campground (1 & 2) for low cost camping.
- Point Folly Family Campground (4), located on a peninsula in Bantam Lake, operates with 46 sites.

Boating

Bantam Lake and the Bantam River offer fine fishing and canoeing. Both are accessible by a public boat launch. Moorings and a small number of boat slips are also available on rental basis.

Trails

More than 35 miles of trails, through varied terrains, are open for hiking. There is also a special nature trail for the blind and a boardwalk trail for observing the extensive bird live of a marsh pond.

Birdwatching

The Holbrook Bird Observatory (6) overlooks an area specially landscaped to attract a variety of birds in all seasons. Thirty sheltered viewing stations are available for birdwatchers and photographers.

Orienteering

A section of the Foundation property has been mapped for the increasingly popular sport of orienteering - the art of map and compass.

Directions

The entrance to the White Memorial Foundation and Conservation is located approximately 2 miles West of Litchfield Connecticut on Route 202.

From the West: I-84 to the Route 7 exit; follow Route 7 to Route 202 in New Milford and turn East.

From the East: Route 8 to Exit 42; follow Route 118 to Route 202 in Litchfield and turn West.

From the North: Route 63 South to Route 202 in Litchfield and turn West.

From the South: Route 63 North to Route 202 in Litchfield and Turn West.

—Larry Connor PhD,
Short Course Coordinator

IMPORTANT REMINDER —

Lyme Disease poses a special risk to beekeepers who work in open fields where ticks are found. Learn to protect yourself!

MASTER BEEKEEPER 1989 CERTIFICATION PROGRAM

Clarence H. Collison
Entomologist
Mississippi State University
Mississippi State, MS 39762

Testing for the EAS Master Beekeeper Certification Program will be held in conjunction with the rescheduled EAS Beekeeping Short Course at the White Memorial Conservation Center in Litchfield Connecticut on August 24, 1989. Examinations will begin at 8:00 am and continue until completed. Beekeepers are expected to bring their own equipment (protective gear, hive tool, smoker and fuel) for the field test.

The purpose of the Master Beekeeper Certification Program is to identify and certify individuals that have a detailed knowledge of honey bee biology, have expertise in the proper practices of beekeeping, and can present this information to the beekeeping and non-beekeeping public in a detailed, accurate, clear, and authoritative manner.

The certification program includes a series of three tests: 1) A written examination on all aspects of beekeeping; 2) a laboratory practical examination on recognition of bee diseases, equipment, common floral sources in the EAS geographical region and the judging of apiary products; and 3) an apiary performance test on the proper explanation of beekeeping practices and on the handling of bee colonies.

Beekeepers will not be expected to make microscope slides of diseases in the laboratory session. Microscopes are provided at some laboratory stations to aid the beekeeper in seeing the material or samples that they are asked to examine. Recognition of the various bee diseases is based on sight only. If examinees were allowed to use toothpicks and other tools to probe the diseased frames, the material would be damaged beyond recognition long before the lab exam was finished.

The exams are prepared, monitored

and graded by a committee of Master Beekeepers. This committee as a whole discusses and grades the answers of each individual to insure that grading is consistent on all exams.

Any experienced beekeeper is eligible to apply for certification as a Master Beekeeper. Persons interested in applying should have a minimum of 5 years of experience as a serious beekeeper in some aspect of apiary management such as a dedicated hobbyist, a commercial beekeeper, working for a commercial beekeeper, or apiary inspection. Also, it is recommended that applicants have completed the equivalent of a college level course in beekeeping. An applicant should be well read in the apicultural literature.

Persons wishing to apply for certification or retake the exams should send a letter to either the Secretary of EAS, Mrs. Loretta Surprenant, The William H. Miner Agricultural Research Institute, Chazy, NY 12921, or Clarence Collison, Department of Entomology, Drawer EM, Mississippi State, MS 39762, and state his/her intention. Completed applications and requests for exam retakes must be received by August 1, 1989.

Individuals who do not pass all three exams the first time they take them may retake the exams they failed in subsequent years. Exams that were passed will not have to be repeated.

Applicants who are accepted as candidates for certification will be charged \$20 when they take the written exam or \$10 for each retake and \$20 upon successfully passing all three exams.

Upon successfully completing the certification program, the individual receives a certificate suitable for framing, a Master Beekeeper lapel pin, and a Teaching Syllabus and Resource Manual. •

Persons interested in applying should have a minimum of 5 years of experience as a serious beekeeper in some aspect of apiary management such as a dedicated hobbyist, a commercial beekeeper, working for a commercial beekeeper, or apiary inspection.

Motels

The following is a directory assembled from several tourist guides. It is a partial listing - some towns may not be listed. Use the map on page 14 as a guide for distances. Several resort towns are listed if you plan to let your non-participating family vacation in the area. Not included are motels in the Waterbury-Hartford stretch along I-84 (25-55 minutes by car). Consult your favorite motel chain for possible facilities if you want to be based in this area.

Some information was provided by the operators of the facility; pricing is based on a general guide from the State of Connecticut. All details subject to change. Please confirm all information if you make a reservation. Some prices may include meals.

Connecticut Maple Leaf Motor Lodge, 244 Kent Rd., Rte 7, **New Milford**, CT 06776. Phone 203 354-2633. 16 motel rooms and 19 apartments for overnight rental. On Bonanza Bus route. Rates up to \$50.

Hillside Motel, Rte 44, **Canton**, CT 06019. Phone 203 693-4951. (1 1/2 miles west of intersection of Rtes. 179 and 44). Family owned, air-conditioned. Rooms to \$50.

Hitching Post Country Motel, Rte 7, **Cornwall Bridge**, CT 06754. Phone 203 672-6219. Eleven unit motel located at the foothills of the Appalachian Trail. Rooms \$50 to 90.

Homestead Inn and Motel, 5 Elm St. **New Milford**, CT 06776. Phone 203 354-4080. In the heart of New Milford. Rates \$50 to \$90.

Litchfield Inn, Rte 202, **Litchfield**, CT 06759. Colonial decor. 31 units, rest. coffee shop. Rates between \$50 and \$90.

Milestone Motel, 146 South Pomperang Ave., **Woodbury**, CT 06798. Phone 203 263-2800. Just off Rte 6, air-conditioned. Call for rates.

Plymouth Motor Lodge, 9 West Main St., (Rte 6) **Terryville**, CT 06786. Phone 203 582-6331. Thirty rooms, new in 1988. Rooms to \$50.

Rocky River Motel, 236 Kent Rd. (Rte 7).

New Milford, CT 06776 (I-84 exit 7). 19 units, Rates up to \$50.

Sharon Motor Lodge, Rte 41, **Sharon**, CT 06069. Phone 203 364-0036. Two night minimum on weekends. Many features. Prices \$50 to 90.

Super-8, 3 Lake Ave. Extension, **Danbury** CT 06811. Phone 203 743-0064. Off exit 4 in Danbury. 86 units, near the largest mall in New England. Rates listed in directory from \$47.88 single to \$62.88 for 4 in a room.

Super-8, Torrington, 492 E. Main St, **Torrington**, CT 06790 Phone 203 496-0811. 51 units, near fast food outlets. Rates listed in directory from \$40.88 single to \$58..88 for four in a room.

Toll Gate Motel. Torrington Rd., Rte. 202, **Litchfield**, CT 06759. Phone 203 482-5125. Three miles north of Litchfield Center. Air conditioned and dining nearby. 1745 country inn, listed in National Historic Register. 10 units. Over \$90 per night.

Bed and Breakfast Reservation Services

Alexander's Bed & Breakfast Reservation Service, Rte 44 East, Salisbury, CT 06068. Phone 203 435-9539. Helps you find the bed and breakfast for your individual needs.

Covered Bridge Bed & Breakfast. P.O. Box 447, Norfolk, CT 06058. Phone 203 542-5944. "Matches discriminating guests with accommodations in some very special private homes in the Northwest corner of Connecticut and the Berkshires."

Northwest Connecticut Information

From antiuques to amusement parks, there is plenty to do in the Northwest Connecticut area, often with a rural feel. For a packet of useful information write: Litchfield Hills Travel Council, PO Box 1776, Marbledale, CT 06777.

Bee-Aware: A Management tool for Diagnosis and control of honey bee diseases and pests

Pennsylvania State University,
Collison, Tomasko and McClure.

EAS Short Course in Beekeeping students will have an opportunity to 'test-drive' a new computer program designed to help them diagnose many of their common problems.

Using a form of artificial intelligence called an expert system, Dr. Clarence Collison and Ms Maryann Tomasko have developed a Macintosh computer system which encourages user interaction as a means of identifying a particular bee hive problem.

Artificial intelligence is an attempt to program computers to ask the same sequence of questions which the human mind uses to analyze data or information about a particular problem. Using criteria set by the authors, the computer then predicts an outcome for the user.

Pennsylvania State University is using Expert Systems throughout its college of Agriculture to develop systems which will help the agricultural producer determine an answer without requiring the interaction of a specialist. The beekeeping interests will be served in each county extension office by the Bee Aware program. It will be on hand to use when a beekeeper calls or visits with a problem. The computer then asks questions of the beekeeper. By the nature of the responses the computer makes a diagnosis which may be given or mailed to the beekeeper.

In addition, a computer-resident group of drawings, disease and pest information files, and related information will make the program interactive. For example, if a beekeeper wants to learn more about varroa mites or wax moths, the information will be available by clicking a few options with the Macintosh mouse, a hand-controlled unit which eliminates most keyboard needs.

EAS Short Course participants will have this program demonstrated to them by the authors, and then will be given time to explore the possibilities on their own. We plan to have at least 2 Macintosh computers on hand for this purpose.

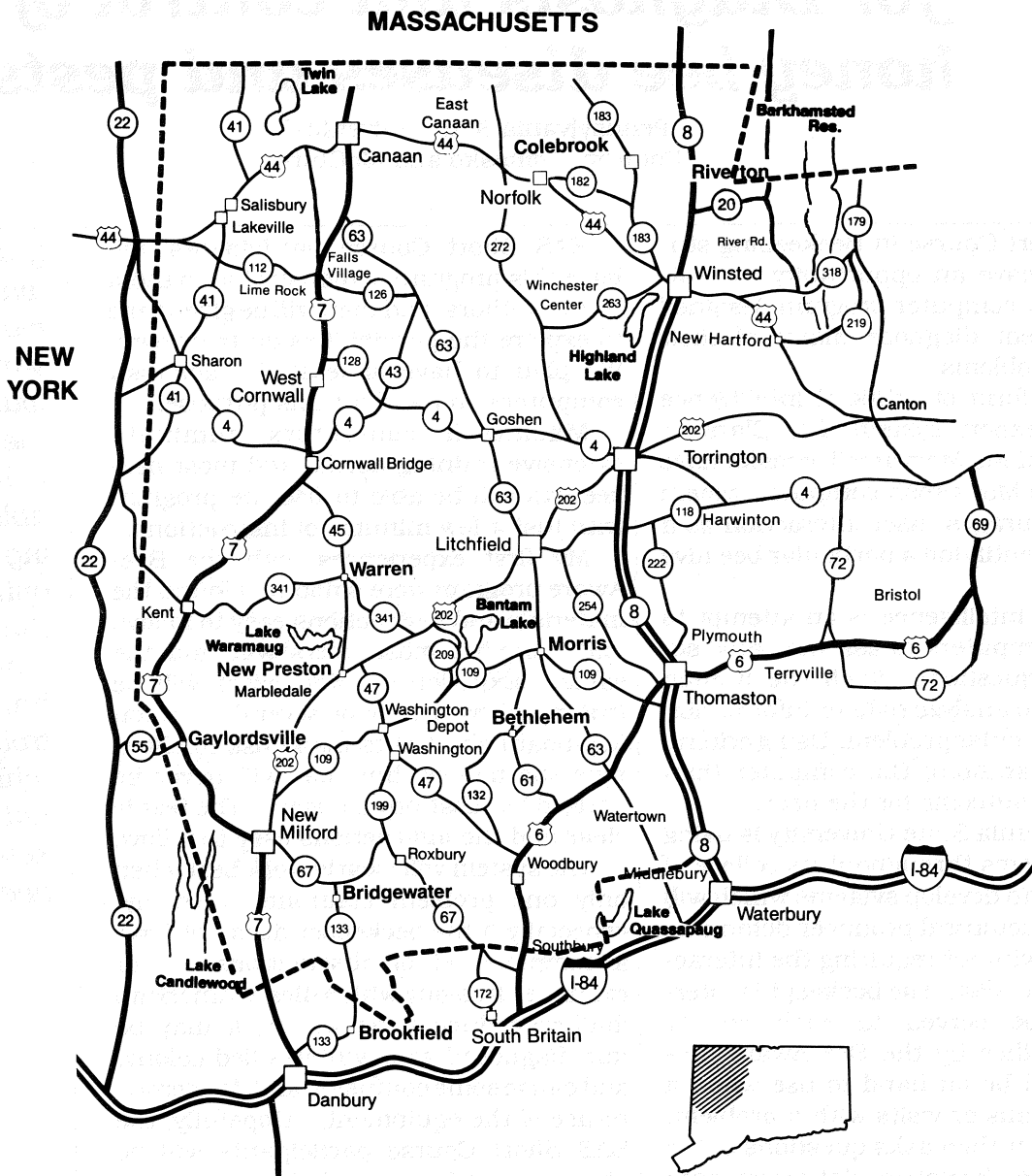
Macintosh computers eliminate extensive training needs, and most beekeepers will be able to use the program with just a few minutes of instructions.

My first experiences with the Bee-Aware program were smooth. I found the materials and instructions easy to follow, and I predict most users will find the same. Experienced Mac users will be frustrated by a lack of several common key-board short cuts many use to eliminate the mouse, but that will never be noticed by most novice users. The text is clear and the instructions easy to follow.

The system will clearly work best when only one problem confronts a colony, especially if the beekeeper does not have a complete set of observations. For example, if colony which dies of American foulbrood during the winter, it may be mis-diagnosed as a winter-killed colony, and cause some confusion and dangerous re-use of the equipment. Hopefully, the EAS Short Course participants will be able to identify some of these points of confusion and help the authors produce a 'bug-free' version for general release.

One hopes that this program will be available for beekeeper clubs, dealers, teachers, and extension agents throughout North America. Macintosh computers have always been a favorite in academic circles, and have become a viable alternative in business settings during the past year or two. Bee Aware should be a popular item in beekeeping groups with access to a Mac. •

If a beekeeper wants to learn more about varroa mites or wax moths, the information will be available by clicking a few options with the Macintosh mouse, a hand-controlled unit which eliminates most keyboard needs.



Map of the Litchfield and Western Connecticut Area.

**Registration Form - EAS Short Course in Beekeeping - 1989
August 21 - 24 1989 - Litchfield, Connecticut**

Registration Deadline: August 14, 1989

I. **Registration Fee for Short Course in Beekeeping and Meal** \$165 X _____ = _____
Package (Monday L, D; Tuesday B,L,D; Wednesday B, L, D; Thursday B, L)

Do not plan to eat meals somewhere else - you will miss too much due to travel time!!!

We start early and run late in the evening - off-site meals cannot be allowed.

Name(s) of individual(s) attending Short Course (Please print in shaded area.)

II. **Additional Meal Packages** for non-participants in motel or camp ground or commuting
(Monday L, D; Tuesday B,L,D;
Wednesday B, L, D; Thursday B, L) \$80 X _____ = _____

III. **Lodging Options** - All lodging facilities are limited. **Spaces will be given on a first-paid, first-reserved basis.**
Phone calls will not hold space! If options are filled, you must use the list of possible motel facilities in the Litchfield area.

A. Carriage House - Separate large modern
dormitory rooms for 30 men and 30 women or 15 couples
No pre-teens please. For three nites \$10 X _____ = _____
(Monday, Tuesday and Wednesday
night) **Per person for all 3 nights - Short Course Participants Only!**

B. Tent Camping (Monday, Tuesday and
Wednesday night) **Per Site for all 3 nights** \$22 _____

C. Camper Site (Monday, Tuesday and
Wednesday night) **Per Site for all 3 nights** \$35 _____

D. I will commute from home \$0 _____

E. I will stay in a motel (Name and Phone) \$0 _____

IV. **EAS 1988- 1990 Dues** \$10 _____
 Check here if paid previously.

V. **Late Registration** (Postmarked after August 14, 1989) \$15 _____

Name of person completing this form _____

Street _____

Town _____ State _____ Zip _____

Phone - Home _____ Work _____

Amount Enclosed _____ (You must prepay to reserve space!)

MAKE CHECK PAYABLE TO :
THE EASTERN APICULTURAL SOCIETY OF NORTH AMERICA, INC.

Return to: **Dr. Larry Connor, EAS Short Course 89
PO Box 817
Cheshire, CT 06410-0817**

Phone: 203 271 0155

EAS Master Beekeepers

John M. Arleth, Lindenhurst, NY
Norman Bantz, Tuckahoe, NY
John Barrett, Plattsburg, NY
Bernard Beck, Huntington, NY
Peter F. Bizzoso, Ronkonkoma, NY
Freelan Blodgett, Elba NY
Richard Blohm, Huntington, NY
Richard E. Bonney, Charlemont, MA
ΔLeonard Cahn, High View WV
Marc Caputo, Mount Vernon, WA
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Louis Scott, Eden, NY
Samuel Stein, Kings Park, NY
Frank Svoboda, E. Islip, NY
Thomas Webb, Sussex, NJ
Garry Woods, Delanson, NY
Clifford F. Wright-Sunflower, Bath, PA
Δ Deceased

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