



# EAS JOURNAL

## When You Get To Maryland ☆☆bring this with you☆☆

### Sign-In Procedure

When you arrive for either the Short Course or the Main Conference, you will need to register in order to receive your name tags, meal cards, and dorm keys. There will be one Registration Desk that will be moved between two locations to make registration easier. Prior to the conference, David Morris, the EAS Registrar, can be reached at 301.725.6185, evenings only. During the Conference, from July 30 to August 5 only, the EAS Registrar can be reached at 240.463.7418 (cell phone).

### Conference Registration

Tuesday early arrivals should report to the Severn Hall lobby, from 1:00 p.m. to 9:00 p.m. Beginning at 9:00 a.m. Wednesday morning, registration will be held in the main lecture hall, Holloway Hall, marked #7 on the campus map (page 10). Registration will continue throughout the day until 5:00 p.m. After 5:00 p.m. report to the Severn Hall lobby and register with the SSU staff.

### Short Course Registration

**PLEASE ARRIVE PROMPTLY.** Since Short Course participants should arrive Sunday evening to be in town in time for the beginning of the course at 8:00 a.m. Monday morning, registration will begin at 3:00 p.m. **Sunday afternoon** in the Severn Hall lobby. The EAS Registrar will be available until 9:00 p.m. After 9:00 p.m. the SSU staff will sign in late arrival dorm residents and provide dorm keys and meal cards only. Monday morning the EAS Registrar will take care of late Sunday and early Monday arrivals, in the Severn Hall lobby, from 7:30 to 9:00 a.m. Thereafter, on Monday and Tuesday afternoons, from 3:00 p.m. to 2:00 a.m., the SSU staff will register late arrivals in the Severn Hall lobby. Severn Hall, marked #5 on the campus (page 10), is located just off Camden Avenue and faces the large Dorm Parking Lot.



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Short Course	Short Course	Short Course	Conference	Conference	Conference	Check Out
3 p.m. - 9 p.m. Severn Hall	7:30 - 9:30 a.m. Severn Hall	7:30 - 9:30 a.m. Severn Hall	9 a.m. - 5 p.m. Holloway Hall	9 a.m. - 5 p.m. Holloway Hall	9 a.m. - 5 p.m. Holloway Hall	9 a.m. - Noon Severn Hall
	9:30 - 3 p.m. call 240.463.7418	9:30 - 1 p.m. call 240.463.7418	5 p.m. - 2 a.m. Severn Hall	5 p.m. - 2 a.m. Severn Hall	5 p.m. - 2 a.m. Severn Hall	
	3 p.m. - 2 a.m. Severn Hall	1 p.m. - 2 a.m. Severn Hall				

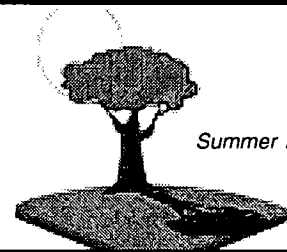
### Getting There

The city of Salisbury is at the junction of East-West U.S. Route 50 & North-South U.S. Route 13. Salisbury State University is positioned on U.S. Route 13 at the southern edge of the city of Salisbury.

**Driving From the West:** U.S. Rt 50 passes West-East through Salisbury. It is the major route between Washington, D.C., & Ocean City, MD. Follow Rt 50 East toward Salisbury. Follow Business Rt 13 (rather than the bypass) into Salisbury and proceed 4 miles to the campus, located on the right. Turn right on to West College Avenue and left on Camden Avenue. Turn at the second left and proceed into the parking lot.

**From the North or South:** From I-95 follow Route 50 East over the Chesapeake Bay Bridge into Salisbury (about 1.5 hours). Follow Business Route 13 (rather than the bypass) into Salisbury & proceed four miles to the campus, which is located on the right. Turn right on to West College Avenue & left on Camden Avenue. Turn at the second left and proceed into the parking lot.

**Airport Information:** The nearest airport is Salisbury-Wicomico County Regional Airport (SBY) which has daily connections with Baltimore Washington International Airport, Philadelphia & other eastern cities via scheduled commuter airlines. Alternatively, you may fly into Baltimore, Washington (Reagan National or Dulles airports), or Philadelphia & rent a car. Ask your travel agent!



Summer 2000

### What's Inside

- EAS 2000 Registration Form
- Roger Morse
- More About Salisbury, Child Care Available
- Short Course, Master Beekeepers, Honey Show

## A Word From Our Chairman . . .

Turnovers. No, not the kind with tender, flaky crusts, sprinkled with powdered sugar and stuffed with apples or blueberries, but the kind that signals the end of one person's tenure on the Board, and the beginning of a new Director's term.

At this Summer's meeting five Directors sign off after serving their four year stint. Some have gone even longer, filling in for a fellow Director unable to finish their term.

A four year stretch means, at least, 12 meetings attended, 12 weekends donated to EAS. For many it means time spent on committees, helping at the Annual Conference, and talking at local and state meetings about EAS.

And with little fanfare, little recognition, and not nearly enough appreciation, they attend their last meeting this Summer . . . and retire from the Board. Taking with them, of course four years experience and skills and information.

We can't stop them from leaving. Our rules forbid a Director serving more than one term. But we should show more appreciation, and gratitude. So this year if you see Jed Davis from KY, Jan Gaglione from MA, Ed Nowak from MI, Glen Thomas from TN and Gabe Blatt from WV, stop and say thanks. They deserve it, and EAS is better because they were here.

The challenge, of course, is to fill their chairs. Those states need to look long and hard to find replacements for these people.

And these first-timers should, if possible, attend our Board meeting to get a feel for what goes on, who's who and why. The best teachers are the people who have been there and already know all of this.

So I ask those states with impending vacancies to find now those who will come next and give them, and EAS, a head start.

For some, we have ongoing vacancies and they, too, need to search and find that ideal representative, to serve their state, and to serve on the Board of EAS.

Of course there are other people who serve on the board. Non-elected people who have various skills or expertise. This Summer, William Evans steps down as EAS Historian. Bill served only a couple of years, but in that time managed to accumulate some of the missing history of our group (we're still looking for EAS Historical information, journals, minutes, meeting notices, conference programs, correspondence or whatever. If you have some please share with us . . . call me). Bill is also a master Parliamentarian, and cleared up several inconsistencies in our organization. I'll miss him. But we are searching for Bill's replacement. Interested? Call or write and we'll talk.

Turnovers are good in that new blood and fresh perspectives join with the rest of us. But turnovers are difficult also, because we lose those who have served well and long. Thanks to all of you.

See you in Maryland.

Kim Flottum

## EAS Journal

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### **Kim Flottum**

Chairman of the Board  
7011 Spieth Road  
Medina, OH 44256  
330.722.2021 (h)  
330.725.6677, Ext. 3214  
kim@airoot.com

### **Ann Harman**

Vice Chairman of the Board  
1214 North Poes Road  
Flint Hill, VA 22627  
540.364.4660 (phone & fax)  
AHworkerB@aol.com

### **David Bernard**

President  
26626 Howard Chapel Road  
Damascus, MD 20872  
301.414.2317  
amazingbee@earthlink.net

### **Jay Barthelmeus**

2001 President  
7 McElway Drive  
Harwich, MA 02645-2445  
508.430.2740  
capebees@capecod.net

### **Mike Griggs**

2002 President  
607.564.0656  
607.255.1132 (fax)

### **Marlene Thomas**

1999 President  
196 Long Road  
Kingston, TN 37763  
865.376.1838  
glenmar@mindspring.com

### **Loretta Surprenant**

Secretary  
Box 300  
Essex, NY 12936  
518.963.7593 (phone & fax)

### **Donald Chirnside**

Treasurer  
99 Weavers Road  
North Kingstown, RI 02852-7135  
401.295.9334

## What Is The Job Of . . .

### **An EAS Director?**

Each state/province is entitled to elect one Director on the governing board of the Society. Directors meet before and after each general meeting and set policy and guidelines for the operation of the business of the Society. Throughout the year, they serve as the liaison between the Society officers and the members in their respective states. They are responsible for recruiting new members, keeping track of state concerns and advising the membership of their activities through the EAS Journal which is published four times a year.

### **An EAS Delegate?**

Each member association in good standing shall be entitled to send one official delegate to each annual conference. A delegate acts on behalf of their local and/or state association by voicing the concerns and recommendations of their respective association. Recommendations that require action by the Board of Directors must be placed in written form to be voted on by the assembled delegates. The President will then report approved motions to the Board of Directors at the next scheduled board meeting. Action taken by the board will be reported to the delegates at the next regularly scheduled delegate's meeting.

# ROGER MORSE

JULY 5, 1927 - MAY 12, 2000

Roger Alfred Morse was born July 5, 1927 in Saugerties, NY to Margery and Grant Morse. Grant had grown up in the Catskill Mountains and worked the fields, harvested hay, hoed potatoes and helped with the bees. Grant attended a one-room school and worked on the school's magazines and newspapers. He earned his M.A. from Columbia University and his Ph.D. from NY University. For over 40 years Grant Morse served as an administrator in the public schools of New York State, 37 of them as a school superintendent. He was a prolific writer, making contributions to this and other magazines, and published two books of verse on Catskill Mountain philosophy and wisdom.

Roger's father remained a hobby beekeeper for years, and gave Roger, when he was about 10, a hive of his own. This was more bribe than gift though as the elder Morse's intent was to instill an interest in the hobby, and then enlist his son's help with the work the hobby required.

It was the perfect case of right place, right time for Roger. He, with his father's help and on his own, read and studied all he could on the honey bee, and by the time he was in his teens was operating nearly 200 colonies spread around the Hudson Valley and Catskill Mountain areas of NY.

Roger entered the Army in 1944 and served in Europe until early 1947. He was honorably discharged as a Staff Sergeant. In the Fall of 1947 he enrolled in Cornell and received his B.S. degree in 1950. He continued at Cornell and in 1951 was married to Mary Lou Smith. He received his M.S. degree in 1953, and still at Cornell, he received his Ph.D. studying mead making in 1955 under the tutelage of Dr. E.J. Dyce of creamed honey fame.

After graduation Roger and family moved to Gainesville, FL where he took up the position of Apiculturist with the State Plant Board. While there he worked the fruit fly spray program, produced the booklet on Florida Beekeeping still in use today, and wrote another dozen or so articles on various aspects of beekeeping in that state.

There's no doubt this stint in the Sunshine state reinforced Roger's love of FL, initially started by his father. As a result, Roger and his family spent part of almost every Winter in the warm south at the Archbold Biological Station near Lake Placid, FL. This allowed Roger to extend his research season of course, and contributed much to his grad student's education.

Roger spent two years in FL, then did a six-month stint in 1957 as Entomologist at the Waltham Field Station in Amherst, MA. But toward the end of 1957 Cornell once again called, Roger returned, and he never left.

Roger's first contribution to *Gleanings in Bee Culture* was made in 1953. He started his regular Research Review column in the April issue of 1958, shortly after moving back to Cornell.

*Gleanings*, wasn't the only place Roger, and his students, published in, and nearly 40 grad students that worked with (or should it be for?) Roger came from, and have gone to all corners of the globe. Familiar voices include Gene Robinson, Kirk Visscher, Richard Nowogrodzki, Will Robinson, David DeJong, Rick Fell, John Ambrose, Mike Burgette, John Harbo, Dewey Caron, and Norm Gary. The Scientific community learned of Roger and his students in *Insects Sociaux*, *Bee World*, *Journal of Apicultural Research*, *Environmental Entomology*, *Hortscience*, *Scientific American*, *Apatica*, *Journal Of Insect Physiology*, *Natural History*, *Economic Entomology*, *Nature*, *Farm Research*, *Science*, *Florida Entomologist*, *Proceedings Of The Royal Summer, 2000*

*Entomology Society Of London* and *The New York State Journal Of Medicine*, to name some of the journals.

Travel was a big part of Roger's life. He spent time as a visiting professor in 1968 at the University of Los Banos in the Philippines, at the University of São Paulo in 1978 in Brazil, and the University of Helsinki, in Finland. He attended many Apimondia meetings, and also served as President of the International Bee Research Foundation. He received an Honorary Doctorate from Academy Rolnicza in Poland for his work there.

Closer to home, Roger worked with the Entomological Society of America starting in 1959 and serving over the years as Secretary and Chairman of Apiculture Subsection, Program Committee Co-Chairman and Chair of the Program Evaluation Committee, Editorial Board for the *Annals* and President of the Eastern Branch. He was made a Fellow of the American Association for the Advancement of Science in 1975, and a Fellow of the Entomology Society of America in 1989.

He served Cornell University, too, as member or chair of several faculty committees, Library Advisory Board Chair, and, interestingly on the University Committee on . . . Committees. He served as Chairman of the Entomology Department from 1986 to 1989.

Besides shepherding graduate students, sitting on committees and overseeing the Entomology Department, Roger was also responsible for teaching. He taught, for his whole career, Cornell's introductory beekeeping course, which, like beekeeping waxed and waned in popularity. It reached, in its heyday, a couple hundred students for the semester long class. And it would fall to as few as 25 or 30 during the lean years. He also taught the Lab Course on practical beekeeping, which actually included bees, but this course was never quite as popular . . . but much more fun to teach.

His duties also included, and in fact were primarily directed toward the Extension side of his position. He was, as one Extension Apiculturist recently said, the last of the breed in Apiculture Extension in the U.S. His job was to take scientific information on bees and beekeeping, translate it into language beekeepers and others could use, and then make sure that information got into the hands of those intended. Meetings, short courses, bulletins, classes, teaching teachers, and *Research Review* all served that purpose.

Notable among these were Roger's long-time service to the Empire Honey Producer's Association, serving primarily as program chair. He was also involved with the Eastern Apicultural Society in its early days. His Master Beekeepers course, developed at Cornell, was adopted by EAS and remains little changed today.

Not to be forgotten are the many books Roger Morse published during his career. *The Illustrated Encyclopedia Of Beekeeping* with Ted Hooper, *Beeswax* with W.C. Coggshall, *A Year In The Beeyard*, *Making Mead*, *Rearing Queen Honey Bees*, *Comb Honey Production*, *Bees and Beekeeping*, *The Complete Guide To Beekeeping*, *Judging Honey* with Mary Lou Morse and just completed in 2000, *Richard Archbold and The Archbold Biological Station*. As Editor, Roger was responsible for three editions of *Honey Bee Pests, Predators and Diseases*, and for the 40<sup>th</sup> Edition of *The ABC & XYZ of Beekeeping*. He had several book chapters to his credit, and even a patent in mead making.

Roger is survived by his wife Mary Lou, son Joseph, an entomology professor at UC Riverside, and daughters Mary Ann, a business executive in New York City, and Susan, a manager at Cornell University. He also has a sister and brother both living in New York.



# APITHERAPY COURSE 2000

The Charles Mraz Apitherapy Course (CMAC) will run in conjunction with the preliminary course offerings of the Eastern Apicultural Society (EAS) meeting this summer. The CMAC will be held at Salisbury State University, Salisbury, MD. This 2-1/2 day course will provide two levels of study for individuals interested in the healing properties from products of the beehive. The information will be presented by a recognized and experienced group of practicing apitherapists, patients of apitherapy, beekeepers and medical practitioners.

As an extension of the mission of the American Society, CMAC was created to further establish a recognized body of knowledge about Apitherapy. With a working standard of ethics and safety, more

people can learn the most important information on improving health with honey bees.

The end of the course will be followed by a test about the course taught. Upon completion of the course, students will receive a certificate of attendance from AAS and those passing the test will receive a certificate of knowledge.

All educational materials and certificates will be provided by AAS. The cost for each level of training is \$300, with a 10% discount, \$270, signed up by July 1, 2000. Lunches and lodging are available through the University at special rates. For registration information, contact AAS Office Coordinator, Jennifer Conover, 937.364.1108; FAX 937.364.9109; email: aasoffice@in-touch.net.

**For complete program details, downloading extra registration forms, and up to the minute changing information, see our official EAS 2000 Web Site at <http://iaa.umd.edu/mdbee/EAS2000.html> We welcome all beekeepers and hope that you share this website with your friends, local beekeepers, and listserv members!**



## Looking Ahead

**2001 – August 6-10**

**Massachusetts**

Maritime Academy, Cape Cod

**2002 – August 4 -10**

**New York**

Cornell University, Ithaca

**2003 – Dates to be determined**

**Maine**

Bowdoin College Campus, Brunswick

**For information on the  
2000 EAS Conference in  
Salisbury, MD contact:**

**David Bernard**

**26626 Howard Chapel Dr.**

**Damascus, MD 20872**

**Amazingbee@earthlink.net**

**301.414.2317**

**Kathy Summers, EAS Journal Editor**

**432 Baxter St. • Medina, OH 44256**

**330.723.2783 (home) • 330.725.6677, ext. 3215 (work)**

**330.725.5624 FAX • email: SummersKathy@msn.com**

**Please contact me with comments, suggestions, corrections,  
things you'd like to see in your Journal.**

## Child Care Available

There have been several inquiries regarding child care during the Friday evening banquet. In response to these, arrangements have been made to have some middle school and senior high school Girl Scouts from the local troupes provide child care services on campus (in Carruthers Hall) during the banquet. This service will be provided free of charge during the banquet. Arrangements to feed the children have not been decided upon yet.

Please indicate your interest in this service by telephoning Evelyn Hogg at 301.296.4576. If you leave a message, please indicate the age and number of children for which you would like care. The Girl Scouts will bring videos and games targeted to the children's ages. Care for older children, if any is requested, may be provided by Girl Scout parent volunteers.

If interest is expressed in having child care during some other portion of the conference, additional arrangements may be made. Please express such interest as soon as possible, by telephoning Evelyn Hogg at 301.296.4576. If you leave a message, please indicate the age and number of children for which you would like care, along with the date and time of the event during which child care is desired.

## How Far Is Salisbury?

### From Salisbury to . . .

Albany, NY .....	353 miles
Atlanta, GA .....	693 miles
Baltimore, MD .....	108 miles
Bangor, ME .....	667 miles
Boston, MA .....	437 miles
Charleston, WV .....	458 miles
Cleveland, OH .....	482 miles
Columbia, SC .....	518 miles
Columbus, OH .....	527 miles
Dover, NH .....	56 miles
Hartford, CT .....	338 miles
Indianapolis, IN .....	707 miles
Knoxville, TN .....	618 miles
Louisville, KY .....	707 miles
Montgomery, AL .....	854 miles
Montreal, Quebec .....	584 miles
Nashville, TN .....	801 miles
Newark, NJ .....	203 miles
Philadelphia, PA .....	129 miles
Pittsburgh, PA .....	351 miles
Raleigh, NC .....	313 miles
Richmond, VA .....	225 miles
Toronto, ON .....	635 miles
Washington, DC .....	116 miles

Source: AOL NetFind - MapQuest

# Short Course Level One

## Monday July 31

### 8:30 AM

Introduction: 10-15-min. slide-tape show  
*Steve McDaniel, EAS Master Beekeeper*

### 9:00 AM

Bee Equipment and Gear: hive parts and usage; protective equipment and tools - *Steve McDaniel*

### 10:00 AM

Where To Get Bees: swarms, packages, nucs, whole colonies; pros and cons - *Rick Cooper, EAS Master Beekeeper*

### 10:30 AM – Break

### 11:00 AM – Field Session

Handling Bees/Sting Avoidance - *Dean Burroughs*; Colony Manipulation: Recognizing castes, brood, eggs - *Barry Thompson*; Smoker Lighting and Use - *George Imirie*; Protective Gear  
*Rick Cooper*

### 12:00 PM – Lunch

### 1:00 PM

Setting Up Your Apiary: selecting apiary locations; hive stands  
*James Tew, Ohio State University*

### 1:30 PM

Queen Biology and Swarming: pheromones, royal jelly, queen development - *Dewey Caron, University of Delaware*

### 2:30 PM – Break

### 3:00 PM

Spring and Summer Management - *Marion Ellis*

### 4:00 PM

Honey Extracting and Bottling: hands-on workshop - *Barry Thompson*

### 5:00 PM – Dinner

### 7:00 PM

Installing Packages - *Bob Mitchell, DE Bee Inspector*

### 8:00 PM

Question-and-Answer Session or Slide Show

## Tuesday August 1

### 8:00 AM

Swarming Biology - *Richard Fell, Virginia Tech*

### 9:00 AM

Bee Diseases - *Bart Smith, MD State Apiary Inspector*

### 9:45 AM – Break

### 10:15 AM

Disease Workshops: (two 30-minute sessions)  
Mites - *Robert Mitchell, DE Bee Inspector*  
Bee Diseases - *Robert Wellemeyer, VA Bee Inspector*

### 11:15 AM

Record-Keeping - *Jerry Fischer*

### 11:40 AM

Queen Marking and Clipping - *Nancy Troup, EAS Master Beekeeper*

### 12:00 PM – Lunch

### 1:00 PM Field Sessions

Making Nucs - *Bill Troup*  
Harvesting Honey - *Rick Cooper*  
Introducing Queens/Requeening - *Dean Burroughs*  
Simple Queen Rearing (emergency techniques) - *Dana Stahlman*

### 3:00 PM – Break

### 3:30 PM

Fall and Winter Management - *Steve McDaniel*

### 4:15 PM

Equipment Assembly Workshop (hands-on) - *David Bernard, EAS Master Beekeeper*

### 5:00 PM – Dinner

### 7:00 PM

Short Course Social

## Wednesday (joint with Level 2) August 2

### 8:00 AM

Foraging Behavior of Bees ... Distance, Distribution, and Resource Preferences - *Norm Gary, Professor Emeritus, Univ. of California, Davis*



### 8:45 AM

Mix and Match Pollen, It Isn't All the Same - *Justin Schmidt, USDA, ARS, Tuscon*

### 9:30 AM – Break

### 10:00 AM

Small Hive Beetles - *Jeff Pettis, Beltsville Bee Lab, USDA, ARS*

### 11:00 AM

Beekeeper's Antiques Roadshow - *Wyatt Mangum, Mary Washington College*

### 11:50 AM

Class Pictures - *Steve McDaniel, Professional Photographer*

### 12:00 PM – Lunch



# Short Course Level Two

**Monday July 31**

**8:00 AM**

Welcome and Introduction  
*David Bernard, EAS President*

**8:15 AM**

Split into 2 Levels



**8:30 AM**

Factors Influencing Queen Rearing  
*Richard Fell, Virginia Tech*

**9:15 AM**

Doolittle method of queen rearing  
*James Tew, Ohio State University*

**10:00 AM – Field and Laboratory Sessions (break into groups)**

**Beeyard**

Miller Method, *Rick Fell*  
Emergency Methods Of Queen Rearing  
Demo Hives of Esoteric Bee Races, *Mike Embry, UMD Lab*  
Queen Cell Grafting session, *Jennifer Finley*  
Artificial Insemination Demo, *Medhat Nasr, Ontario Bkprs*

**10:45 AM – Break**

**11:15 AM – Repeat Field and Laboratory Sessions**

**12:00 PM – Lunch**

**1:00 PM**

Colony Behaviors Evident During Queen Introduction  
*Wyatt Mangum, Mary Washington College*

**2:00 PM – Field Sessions**

Banking queens, *Keith Tignor, Virginia Tech*  
Introduction Methods and Techniques, *Bob Mitchell, DE Bee Inspector; Jeff Brothers, DE Bee Inspector; Bob Wellemeyer, VA Bee Inspector*  
Pros and Cons of Removing Attendant Bees, *Bill Troup, EAS Master Beekeeper*  
Behaviors Evident During Queen Introduction, *Wyatt Mangum*

**3:30 PM – Break**

**4:00 PM**

Managing Hives for royal jelly production  
*Mohmoud Ali, University of Nebraska*

**5:00 PM – Dinner**

**7:00 PM**

An Insider's View into a Professional Queen Rearing Operation  
*Jennifer Finley*

**Tuesday August 1**

**8:00 AM**

Swarm Behavior and Communication  
*Dewey Caron, Univ. of Delaware*

**9:00 AM – Laboratory Sessions**

Comparative Anatomy of Honey Bee Castes, *Richard Fell*  
Check Condition of Queen Cell Grafts, *Jennifer Finley*

**9:45 AM – Break**

**10:15 AM – Repeat Laboratory Sessions**

**11:00 AM**

Swarm Play In the Beeyard  
*Dewey Caron*

**12:00 PM – Lunch**

**1:00 PM**

Miticides and their effect on Honey Bee Reproductives  
*Keith Tignor*

**2:00 PM**

IPM techniques for managing varroa mites  
*Medhat Nasr*

**3:00 PM Break**

**3:30 PM**

The Other Bees: The Secret World of Stingless and Solitary Bees  
*Wyatt Mangum*

**4:30 PM**

Course Review: Question and Answer session

**5:00 PM – Dinner**

**7:00 PM – Short Course Social**

**Wednesday (joint with Level 1) August 2**

**8:00 AM**

Foraging Behavior of Bees ... Distance, Distribution, and Resource Preferences  
*Norm Gary, Professor Emeritus, Univ. of California, Davis*

**8:45 AM**

Mix and Match Pollen, It Isn't All the Same  
*Justin Schmidt, USDA, ARS, Tuscon*

**9:30 AM – Break**

**10:00 AM**

Small Hive Beetles  
*Jeff Pettis, Beltsville Bee Lab, USDA, ARS*



**11:00 AM**

Beekeeper's Antiques Roadshow  
*Wyatt Mangum, Mary Washington College*

**11:50 AM**

Class Pictures  
*Steve McDaniel, Professional Photographer*

**12:00 PM – Lunch**

# Eastern Apicultural Society Conference Program

## Salisbury State University – Salisbury, Maryland

### August 2 – 4, 2000



#### Wednesday, August 2

Moderator: David Bernard - EAS President, Damascus, Maryland

**Theme: The Lighter Side of Beekeeping**

1:30 p.m.

Welcome and Announcements

*David Bernard - EAS President, Damascus, MD*

1:45 p.m.

Welcome to Maryland

*Bud Virts - Secretary, Maryland Department of Agriculture*

2:00 p.m.

Using Bees in Hollywood Movies...Behind the Scenes

*Norm Gary - Emeritus Professor, University of California*

3:00 p.m. – Break

3:30 p.m.

Murphy's Law and Moving Bees

*Jim Tew - Apiculture Extension Specialist, Ohio State University*

4:15 p.m.

Better Living Through Chemistry: Basic and Applied Research on Natural Products for Mite Control

*Nick Calderone - Assistant Professor, Cornell University, NY*

5:00 p.m. – Dinner

6:30 p.m. – Welcome Reception and Dessert

7:30 p.m.

The Use of Bees in TV Shows

*Norm Gary - Emeritus Professor, University of California*

#### Thursday, August 3

Moderator: David Simmons - President, Maryland State Beekeeper's Association, Churchville, Maryland

**Theme: Conquering Beekeeping Problems**

8:00 a.m. – Announcements

8:05 a.m.

The Small Hive Beetle

*Jeff Pettis - Research Entomologist, USDA-A*

8:50 a.m.

Varroa Mite Control Options

*H. Shimanuki - Research Entomologist, USDA-ARS, Beltsville, MD*

9:30 a.m.

Developing and Maintaining Varroa Mite Resistant Bee Stock

*John Harbo - Research Entomologist, USDA-ARS, Baton Rouge, LA*

10:00 a.m. – Break

**Theme: History of Beekeeping/EAS 45th Anniversary**

10:30 a.m.

Collecting Antique Beekeeping Equipment

*Wyatt Mangum - Professor, Mary Washington College, Fredericksburg, VA*

11:10 a.m.

The First EAS Conference, Recognizing Founding EAS Members

*Bob Cole - Past EAS Chairman of the Board, Todd, North Carolina*

11:30 a.m.

Tribute to Roger Morse

*Dewey Caron - Professor, University of Delaware*

12:00 noon – Lunch

1:00 p.m. – Workshops (see next page)

6:30 p.m. – Crab Feast

7:30 p.m. – Auction

#### Friday, August 4

Moderator: Jay Barthelmeus - EAS Vice President, Harwich, Mass.

**Theme: Current Research**

8:00 a.m. – Announcements

8:05 a.m.

American Bee Research Conference

*Roger Hoopingarner, Emeritus Professor, Michigan State University (Individual talks to be listed in final program)*

9:45 a.m. – Break

10:15 a.m. – American Bee Research Conference Continued

11:10 a.m.

Preview of EAS 2001, Maritime Academy, Cape Cod, Mass.

*Jay Barthelmeus - EAS Vice President, Harwich, Massachusetts*

11:20 a.m. – Annual EAS Business Meeting

12:00 noon – Lunch

1:00 p.m. – Workshops (see next page)

American Bee Research Conference Continued

6:30 p.m. – Banquet

7:30 p.m.

Bees by Mail: Sample a 60 Year Collection of Honey Bee Philatelic Material

*Marion Ellis - Assistant Professor, University of Nebraska*

# EAS 2000 Workshops

## Thursday & Friday Afternoons

### 1:00 - 1:45

1. Queen Cell Biology (Thursday only)  
*Wyatt Magnum, Mary Washington College*
- Habitat of Honey Bees & Venomous Insects (Friday only)  
*Anthony Buzas, Flourtown, PA*

2. Artistic Wax Working  
*Jerry Fischer, MD Bee Inspector*

3. The Honey Bee/Pollen Grains in 3-D  
*Fred Hossler, East TN State University*

4. Honey Judging  
*Ann Harman, EAS Vice Chairman*

5. In the Beeyard  
*Master Beekeepers*

### 2:00 - 2:45

1. Understanding the Stinging Behavior of Bees  
*Norm Gary, Professor Emeritus, UC Davis*
2. STUNG! True Allergy to Bee Stings and What To Do About It!  
*Barry Thompson, MD, EAS Master Beekeeper*

3. Lotions and Potions  
*Marlene Thomas, EAS Past President*

4. Reading a Beehive  
*Bob Cole, Master Beekeeper, Past EAS Board Chairman*

5. Campus Botanical Tour  
*Les Lutz, SSU Horticulturalist*

6. In the Beeyard  
*Master Beekeepers*

### 2:45 - 3:15 - BREAK

### 3:15 - 4:00

1. Infertile Eggs, Drone Layers, and Laying Workers  
*John Skinner, University of TN*
2. The Taste(s) of Honey (Bring Samples)  
*Jim and Penny McCaig, Master Beekeepers*
3. Techniques in Carving and Painting Birds & Honeybees  
*Arthur Strang, Founding EAS Member*

4. History of Smokers  
*Paul Jackson, Texas Apiary Inspector*

5. Flowers to 'Bee' Desired  
*Dick Roberts, Hagerstown, MD*

6. In the Beeyard  
*Master Beekeepers*

### 4:15 - 5:00

1. The Anatomy of the Queen  
*Medhat Nasr, Ontario Beekeepers Association*

2. Bee Forage Through the Year  
*Arthur Gruver, White Hall, MD*

3. Pollen Collection  
*Ernie Miner, Master Beekeeper*

4. Queens - From Eggs to Eternity  
*Dana Stallman, Master Beekeeper*

5. Formic Acid Gel Pack Demonstration  
*Bob Stevens, Apiculture Inc. Greenwich, NY*

6. In the Beeyard  
*Master Beekeepers*  
(Powdered Sugar Varroa Detection, *Paula Macedo, University of Nebraska*)

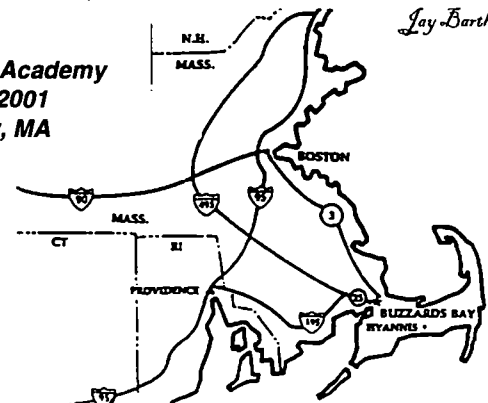
## CAPE COD, MASSACHUSETTS

That's right... sea breezes, salt water, sailboats... and honey bees! A fabulous combination. Now, all we need is YOU, and we have EAS 2001, Bees by the Sea. Massachusetts Maritime Academy isn't near the water—it's ON the water! Surrounded on three sides by the lovely Cape Cod Canal and Buzzards Bay (the MMA campus is a peninsula). Plan to join us for a FANTASTIC EAS Short Course and Conference next Summer. August 06-10, 2001. Watch for periodic updates in our website (now that Rick Hough will be supervising our URL). And, contact the Cape Cod Canal Region Chamber of Commerce for their, FREE, Guidebook 2000, LOADED with helpful information for your upcoming stay on Cape Cod, 70 Main Street, Buzzards Bay, MA 02532, Phone: (508)759-6000, email: canalreg@capecod.net. For information, comments or suggestions (yes, we would like your input, too!) for EAS 2001, contact: Jay Barthelmeus, 7 McElway Drive, Harwich, MA 02645, Phone: (508)

430-2740 eves., email: capecodes@capecod.net -and- our URL: [www.capecod.com/bcba/eas2001.html](http://www.capecod.com/bcba/eas2001.html)

EAS 2001— Bees by the Sea. See YOU there!

**EAS 2001**  
**MA Maritime Academy**  
**August 6-10, 2001**  
**Buzzards Bay, MA**





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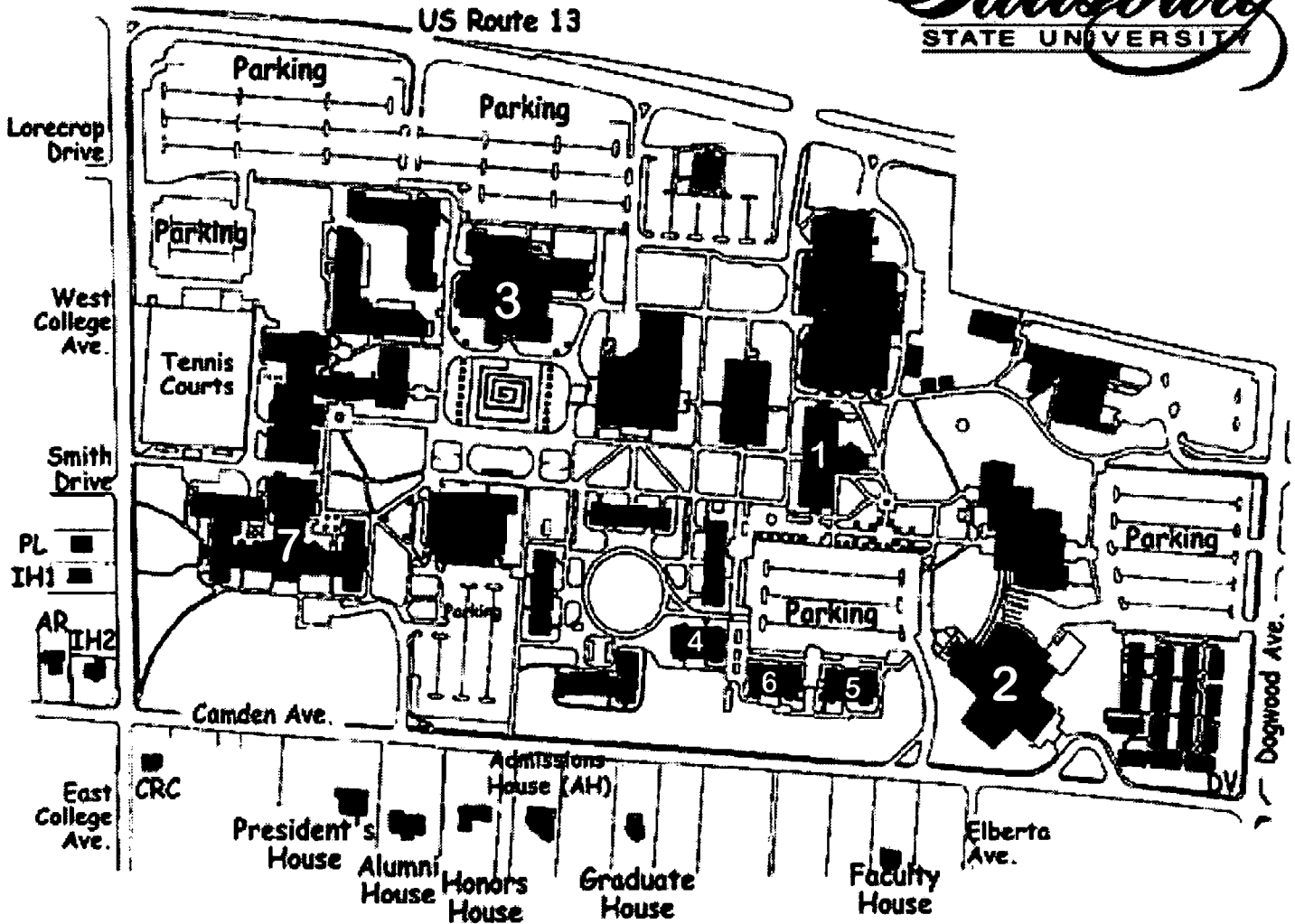
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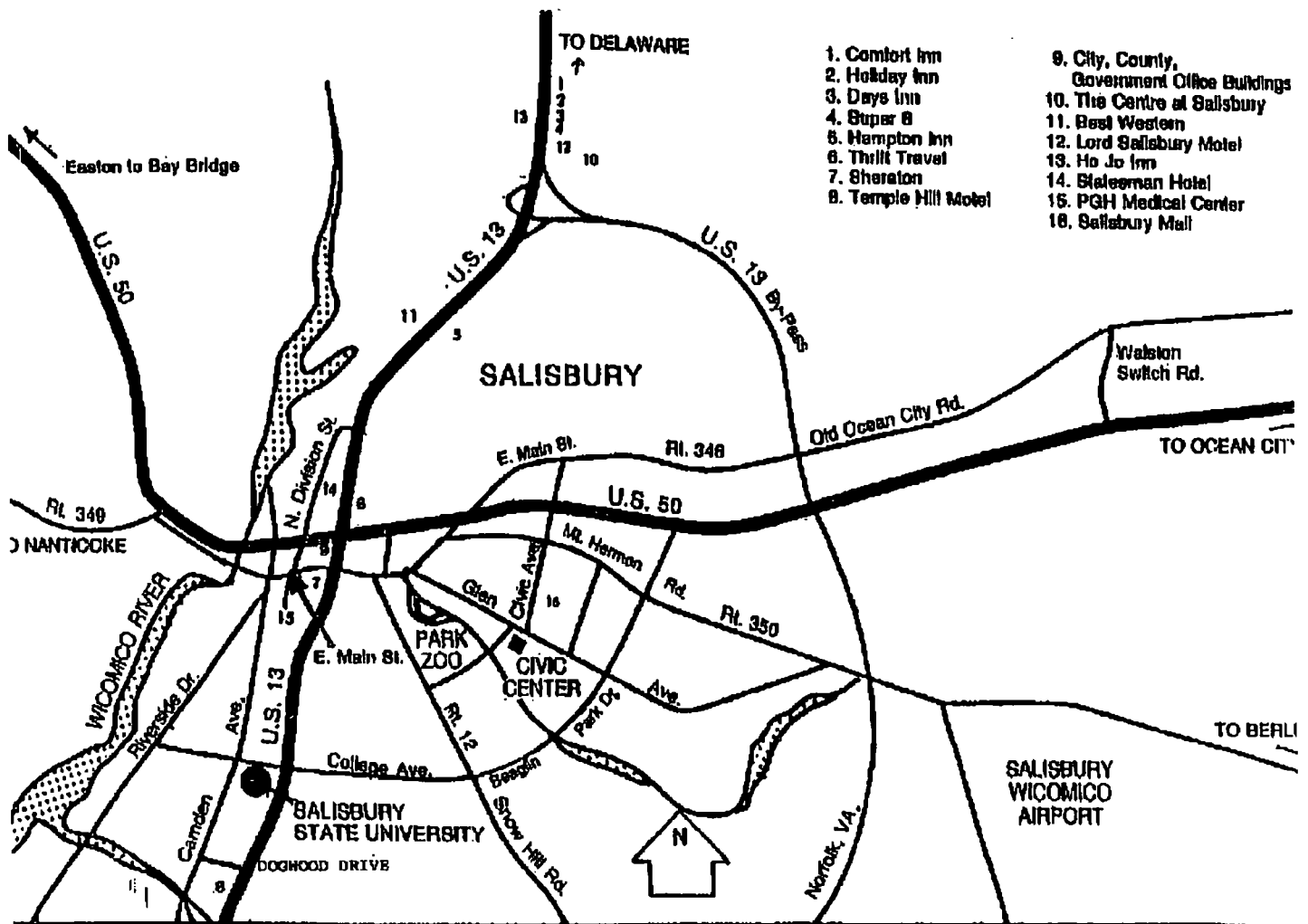


- 1 - Devilbiss Hall (Master Beekeeper Review & Exams, Labs for Short Course & Workshops)
- 2 - Commons Building (Honey Show & All Meals)
- 3 - Caruthers Hall (Short Course & Workshops)
- 4 - Choptank Hall (Dorm)
- 5 - Severn Hall (Short Course Registration, Dorm)
- 6 - Chester Hall (Dorm)
- 7 - Holloway Hall (Conference Registration, Conference & Vendors)

## About Salisbury State University, Salisbury MD

Salisbury State University, part of the University of Maryland System, is located on a lovely 140-acre campus in the city of Salisbury in Wicomico County on Maryland's beautiful Eastern Shore, a part of the Delmarva Peninsula. Visitors will delight in over 2100 species of plants that complement the landscaping and understand why the University is described as having the most beautiful campus in Maryland, having been declared a national arboretum by the American Botanical Garden Association.

The city of Salisbury has a metropolitan population of 70,000 with some 6,000 students enrolled at SSU. Salisbury lies 30 miles west of the resorts at Ocean City, Maryland, and the Assateague Island National Seashore. Salisbury is 115 miles southeast of Baltimore, Maryland, and Washington, DC. The city is 125 miles south of Philadelphia, Pennsylvania, and 125 miles north of Norfolk, Virginia.



## SALISBURY MARYLAND AREA

### Tours and Day Trips

#### Thursday August 3, 2000

##### St. Michael's Tour 9:30 AM - 5PM

St. Michael's, established in late 1600's, is the oldest town in historical Talbot County. It is a lovely harbor town, on a peninsula located midway down the Chesapeake Bay and overlooking the Miles River. Architecture, culture, history, and goods are a mere 90 minute bus ride from Salisbury.

Your tour bus to this charming town will leave Salisbury State at 9:30 AM. The tour's first stop will be at Higgin's Crab House (which is owned by a beekeeper!) for lunch. Many activities are available following lunch. History buffs will want to see this breadbasket area of the American Revolution. St. Mary's Square Museum features a restored colonial home, and the Cannonball House is a testament to the fact that the town fooled the British during the War of 1812. A small park on Talbot Street is dedicated to Frederick Douglas; and the Chesapeake Bay Museum presents aspects of maritime history and the culture of the Chesapeake Bay region.

The Chesapeake Bay Museum includes the Hooper Straits lighthouse, which demonstrates the life of a lighthouse keeper 100

years ago and offers a wonderful view of St. Michael's harbor, home to both working and pleasure boats. A 90 minute ride on the S.S. Patriot which cruises the Miles River provides a relaxing display of the beauty of the area and insight into the local history.

Browsers will want to wander through the wide variety of local shops, galleries and boutiques offering both the expected and unexpected for sale. The small town warmth and wonderful buildings alone make for a pleasant and relaxing visit. Your bus returns to Salisbury State University at 5:00 PM.

#### Thursday August 3, 2000

##### Cucumber Pollination Tour 9AM - Noon

Explore the vital contribution bees play in the pollination of one of the major crops on Delmarva. Our tour leaves Salisbury State University at 9:00 am and arrives in Hurlock, Maryland. Listen as a farmer explains how he grows cucumbers and what he expects from a commercial beekeeper. Later, visit with a commercial beekeeper and hear how he manages his colonies to fit the needs of the grower's timetable. The tour then goes to the Bloch & Gugenheimer pickling plant for a guided tour showing how cucumbers are made into a wide variety of pickles. The tour then returns to Salisbury State University at 12 noon.

#### Friday August 4, 2000

##### Salisbury Attractions Tour

EAS is sponsoring a tour to three of Salisbury's most interesting attractions on Friday. The tour will leave the University at 9:00 AM and return by lunch. The tour will be repeated in the afternoon leaving the University at 1:30 PM and return by 5:00 PM.

The tour will begin by visiting the Ward Museum of Wildfowl Art. This is a world renowned masterpiece filled with breathtaking wood carvings of wildfowl, which heads the list of museums in the area showcasing life on the Eastern Shore of Maryland.

The second stop on the tour will be the Salisbury Pewter Company. Salisbury Pewter is the #1 pewter holloware manufacturer in the United States. You will be given a tour of this nationally known company, watch craftsmen at work and browse and shop in the factory showroom. Salisbury Pewter items make great gifts! For more information visit their website [www.salisburypewter.com](http://www.salisburypewter.com).

The third stop on the tour is historic and beautiful Poplar Hill Mansion, an example of Southern Maryland's architectural style, where we will receive a guided tour of the mansion.

# EAS 2000 - Lodging, Meals, Entertainment

## Meals

All meals will be served in the Commons, the brand new Georgian-Style SSU dining facility. The selection of delicious foods is tremendous, resembling an upscale food court designed with kiosks offering a wide variety of menus including grilled foods (hamburgers, etc), roasted foods (chicken etc), pizza, pasta, Mexican foods, Chinese foods, salad bar, fruit bar, delicatessen, ice cream machines, desserts, and more! Certainly, the Commons and the all you can eat meals will be a memorable delight; no one will go away hungry!

## Wednesday Social

Wednesday evening will feature a dessert social hosted by the Carroll County Beekeepers Association serving, among other items, home-made honey ice cream and honey root beer!

After the beekeepers social, Dr. Norman Gary will provide an entertaining look at his bee wrangling work with such Hollywood films as the "X-Files", "Fried Green Tomatoes", "My Girl", "Man of the House", "Leonard Part VI", "Candyman", "Beverly Hillbillies", "The War", "Walk in the Clouds", "The Truth About Cats and Dogs", "Invasion of the Bee Girls" (an old "cult classic", still popular), "Savage Bees" (made for TV in 1976...one of his best), "Terror Out of the Sky" (made for TV in 1978...still active in the market), "Deadly Invasion: The Killer Bee Nightmare" (aired 3/7/95, Movie of the week, Fox), and MORE!



## Lodging

Lodging is available at very reasonable rates in the fully air conditioned and centrally located dormitory facilities (Choptank and Chester Halls) on the SSU campus. Single rooms are available for \$28 per night and double rooms are available for \$23 per person per night. The dormitories are elevator equipped high rise buildings (6 stories tall) arranged in suites with restrooms shared between rooms within the suite. All towels and bed linens are included in the room rates. **Each dormitory has a limited number of handicap access rooms which are available upon request.**

### Ramada Inn and Conference Center

(2 miles north of SSU campus)  
300 S. Salisbury Blvd  
Salisbury, MD 21801  
410-546-4400 • 888-800-7617  
EAS Discounted Group Rate  
\$99/night for single occupancy (normally \$139)  
\$109/night for double occupancy

### Best Budget Inn

(5 miles north of SSU campus)  
1804 N. Salisbury Blvd  
Salisbury, MD 21801  
410-546-2238

### Best Western Salisbury Plaza

(5 miles north of SSU campus)  
1735 N. Salisbury Blvd  
Salisbury, MD 21801  
410-546-1300 • 800-636-7554

### Budget Host Temple Hill

(0.5 miles south of SSU campus)  
1510 S. Salisbury Blvd  
Salisbury, MD 21801  
410-742-3284 • 800-272-7829

### Comfort Inn

(6 miles north of SSU campus)  
2701 N. Salisbury Blvd  
Salisbury, MD 21801  
410-543-4666 • 800-228-5150

### Days Inn of Salisbury

(7 miles north of SSU campus)  
2525 N. Salisbury Blvd  
Salisbury, MD 21801  
410-749-6200 • 800-329-7466

### Delmarva Inn

9544 Ocean Highway  
Delmar, MD 21875  
410-896-3434 • 888-288-5065

### Econolodge

712 N. Salisbury Blvd  
Salisbury, MD 21801  
410-749-7155 • 800-553-2666

### Hampton Inn

121 East Naylor Mill Rd  
Salisbury, MD 21804  
410-334-3080 • 800-426-7866

### Howard Johnson

(7 miles north of SSU campus)  
2625 N. Salisbury Blvd  
Salisbury, MD 21801  
410-742-7194 • 800-446-4656

### Lord Salisbury Motel

(7 miles north of SSU campus)  
2637 N. Salisbury Blvd  
Salisbury, MD 21801  
410-742-3251 • 800-299-3232

### Sandman Motel

1500 N. Salisbury Blvd  
Salisbury, MD 21801  
410-749-6178

### Sleep Inn

Rt 50 E. at Autumn Grove Rd  
Salisbury, MD 21804  
410-572-5516 • 800-627-5337

### Super 8 Motel

(6 miles north of SSU campus)  
2615 N. Salisbury Blvd  
Salisbury, MD 21801  
410-749-5131 • 800-800-8000

### Thrift Travel Inn

603 N. Salisbury Blvd  
Salisbury, MD 21801  
410-742-5135 • 800-457-3341



## Thursday Night Crab Feast

Thursday evening will feature a crab feast and barbecue with traditional hard shell crabs and barbecued chicken. After the crab feast and barbecue, there will be a live auction of donated beekeeping-related items and memorabilia! This has been a popular and enjoyable event at past conferences. We are looking for items to auction. If you have an item that you would like to donate to EAS (fully tax deductible!) for the live auction or a raffle, please contact Carol Johnson by email at Snowdens@mip.net or call (301)-432-6413. Please include a description and approximate value of donated item and we will be certain that you get recognized for your generous donation.

## Friday Banquet

Dinner on Friday evening, at the Awards Banquet, will feature your choice of either a filet of flounder stuffed with crab imperial, or prime rib. At the Friday evening Awards Banquet, Dr. Marion Ellis will provide an entertaining slide show of a beekeeper's lifelong collection of honey bee philatelic material including bee stamps, postage, and stationery, including (I'm told) letters from Langstroth himself!

# EAS 2000 REGISTRATION

Short Course & Conference - July 31 - August 4, 2000

Salisbury State University, Salisbury, Md.

**IF YOU HAVE NOT REGISTERED YET - IT'S NOT TOO LATE - JUST BRING THIS FORM WITH YOU. PLEASE DO NOT MAIL!!!**

**WHERE CAN WE REACH YOU? THIS INFORMATION IS CRITICAL!**

Name(s): \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ - \_\_\_\_\_  
 Day telephone: (        ) \_\_\_\_\_ Eve. telephone: (        ) \_\_\_\_\_  
 Email : \_\_\_\_\_

**WHO ARE YOU: Name Tag Information:** This information will appear on your **name tag**. List all attending adults and children. Check all categories that apply for each person. If more than four in your party use additional sheet of paper.

FIRST NAME	LAST NAME	CITY & STATE only	Life Member	Master Beekeeper	Director	Delegate	Speaker	Vendor	Volunteer
a.									
b.									
c.									
d.									

**1. EAS Dues:** Individual/Family \$10 (Dues must be paid for attending family members who are not Life Members.)  
 Life Membership \$150 (Life membership can be paid in \$50 installments over three years.)

Name(s) for Life Membership \_\_\_\_\_ **Dues \$** \_\_\_\_\_

**2. SHORT COURSE - 8:00 a.m. Monday, JULY 31 through Wednesday, Noon, AUGUST 2, 2000**

LEVEL I - Basic (experience level, "Five or Fewer" (Hives or Years))

Level II - Advanced topics in beekeeping

Circle Course Level and enter fees to the right

Please list the names of those attending each level

	Level I	Level II	
a.	\$65	\$85	\$
b.	\$65	\$85	\$
c.	\$65	\$85	\$
d.	\$65	\$85	\$
<b>Total</b>			<b>\$</b>

**3. MAIN CONFERENCE REGISTRATION - Wed. 1:30 p.m., through Fri. evening,**

\_\_\_\_\_ Individual ..... \$70 \$ \_\_\_\_\_

\_\_\_\_\_ Couple, or Family (at same address): ..... \$100 \$ \_\_\_\_\_

\_\_\_\_\_ One Day Registration: Circle Day Attending WED THUR FRI # of Attendees \_\_\_\_ x \$40 = \$ \_\_\_\_\_

University housing cannot be guaranteed for late or Walk-In registrations. Mail-in registrations MUST be postmarked by July 7. After July 7, Walk-In Registration only; please fill out this form, bring it with you to the conference, and register upon arrival at the Information and Registration desk.

**Total \$** \_\_\_\_\_

**Page 1      Subtotal Items 1, 2 & 3 \$** \_\_\_\_\_

**CONTINUED ON NEXT PAGE**

## EAS 2000 REGISTRATION

### 4. ACCOMMODATIONS: Smoking is not permitted in the University Buildings

All rooms are in air-conditioned, high-rise dormitories with elevators, centrally located on-campus. Each room has two single beds and shared bath facilities. Linens are included.

CHECK HERE IF YOU REQUIRE HANDICAPPED FACILITIES.

Place an "X" under each night you need accommodations

	SUN	MON	TUE	WED	THUR	FRI	SAT	# of Nights	X	PRICE	=	Total
Single									X	\$28	=	
Double - (first person)									X	\$23	=	
Double - (second person)									X	\$23	=	

Children: Children under 8 may use sleeping bags at no extra charge, when staying with parents.

**Total \$**

ROOMMATES: If you plan to share a room with someone other than on this form, please provide their name and city:

Roommate Name: \_\_\_\_\_ City/St. \_\_\_\_\_

Please assign me a roommate: M \_\_\_\_\_ F \_\_\_\_\_

### 5. MEALS: Salisbury State University Cafeteria Meals. To provide the Conference a Meal Discount, the

University food services require that the meal plan be sold in blocks coincident with the Short Course or Conference.

Children ages 4 - 10 pay Child's price (\$34 and \$26.50) Children under 4 years, no charge for dining with parents

	MON	TUE	WED	Per Person	# Adults	# Children
Short Course	<b>B / L / D</b>	<b>B / L / D</b>	<b>B / L</b>	\$52.00		
				\$34.00		
Conference	<b>/ D</b>	<b>B / L / D</b>	<b>B / L</b>	\$43.00		
				\$26.50		
<b>Total \$</b>						

### 6. SPECIAL EVENTS: All Special Events require reservations and an EAS Conference ID.

DAY	EVENT	PRICE	Number Attending	Cost
WEDNESDAY	Evening Social (reservations required for planning purposes)	FREE		
THURSDAY	Tour St. Michael's*	\$20.00		
THURSDAY	Tour Pickle Fields*	\$10.00		
THURSDAY	Crab Feast if you purchase the Meal Plan	\$12.00		
THURSDAY	Crab Feast if you did NOT purchase the Meal Plan	\$22.00		
FRIDAY A.M.	Tour Ward Museum, Salisbury Pewter Company & Poplar Hill Mansion (includes entrance fees)*	\$15.00		
FRIDAY P.M.	Same as FRIDAY A.M.*	\$15.00		
FRIDAY	Banquet and Auction	\$22.50		

\* Tours subject to cancellation, and refund, if insufficient reservations are received.

**Total \$**

Mail check with this completed form to:  
**David Morris, EAS 2000 Registrar**  
**9309 Montpelier Drive**  
**Laurel, MD 20708-2553**

Contact information: 301-725-6185 (evenings)  
 or email beefriend@aol.com

**Subtotal Items 4, 5 & 6 \$** \_\_\_\_\_

**Subtotal from Page 1 \$** \_\_\_\_\_

Late & Walk-In Registration fee: \$20 \$ \_\_\_\_\_

(For Registrations mailed between June 24 and July 7)

**Grand Total \$** \_\_\_\_\_

**Make Check Payable to: "EAS 2000"**

# Attention Master Beekeepers

Beginning the day after the EAS 2000 Conference adjourns, the EAS Master Beekeeper Program begins its new millenium evolution. Essentially unchanged since Roger Morse first introduced the program years ago, the MB Program has remained a constant, while the whole world around us has changed dramatically.

Basically, the program now stands as a written exam, a lab exam, a field exam and a pin to those who pass all three. Several attempts are allowed, but membership in EAS isn't. Participation in EAS is neither encouraged or required and there are no provisions for recertification or updating or upgrading the status of a person who once passed.

The focus of the new program is to expose EAS Master Beekeeper students to a variety of experiences. Foremost, of course, are the skills and experience required to be a good beekeeper. All aspects will be covered - history, equipment, management, diseases and pests, biology and physiology and certainly skill and experience in handling bees. This is the beekeeping portion of the program.

But there's more than just beekeeping skills. A MB will need to demonstrate an ability to teach these same skills to other beekeepers. Teaching a number of Short Course and workshop classes will be required to attain those skills. This is the Extension portion of the program.

The Public Relations portion requires

that a series of talks be given to . . . the public. Local service clubs, boy scouts or 4-H and the like. Plus, giving talks to local beekeeping groups, writing articles for local or state newsletters, and MANDATORY membership in local (if available), state and a National beekeeping group are required. Plus, it should go without saying, membership in EAS. Moreover volunteering to help at an EAS conference, at the discretion of the President will be required. Several hours for several years, and assisting the MB program itself by giving and grading exams will be required.

All of this will be accomplished in a three-level program, each building on the one previous. It will take a few years to get all this done without doubt. And then, five years later, to REMAIN a Master Beekeeper, recertification is required.

Along with this, a MB Organization will be officially formed and recognized by the Board, along with a line-item in the budget to support these activities.

Why? Why change the program? Why make it take longer, cost more and be more difficult to manage? Because in five years this program will be second to none in the U.S. in skills, extension and public relations. Any person who accomplishes these tasks will be a highly skilled beekeeper, a confident and competent teacher, and an outstanding representative of the beekeeping community, and especially of EAS.

*Kim Flottum  
Chairman*

# MB Swarm Call!

It may seem late for swarms, but at EAS 2000, there will be a "swarm call": a call for all attending Master Beekeepers to swarm together for an organizational meeting. The Board of EAS has proposed changes in the Master Beekeeper program that may impact requirements and your certification. Please plan on attending and bringing input to the proposals and join the newly organized group of which you are such an important part. We all made a commitment to "bee" Master Beekeepers, now lets show the EAS membership just what we have to offer. Your participation in the meeting is essential to our future as certified Master Beekeepers. The time and place of the meeting will be announced.

To all the Master Beekeepers who were contacted or took the time to contact Kathy Summers or Nancy Troup - Thank You ! Your time and consideration is appreciated. Our list has now been updated.

See YOU at EAS 2000 !!

*Nancy Troup*

For those of you who are signed up for the Master Beekeepers exam, there will be a pre-exam review Wednesday evening, August 2 and the three-part exam will be given Thursday morning. On Friday morning, August 4, graded exams will be returned at a review session.

## EAS Dues Payment/Address Correction Form

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State or Province/Code \_\_\_\_\_

Phone/Fax \_\_\_\_\_

Annual Dues: \$10 per person or family \$ \_\_\_\_\_

Life Membership Dues: \$150 \$ \_\_\_\_\_

EAS Foundation Gift \$ \_\_\_\_\_

**Do not send to EAS Journal Editor. Send your check to -**

**Don Chirnside, EAS Treasurer**

**99 Weavers Road North Kingstown, RI 02852-7135 USA**

## EAS FOUNDATION FOR HONEY BEE RESEARCH

In 1993, a generous donation was made to kickoff what is now known as the EAS Foundation for Honey Bee Research. The purpose of the Foundation is to competitively award monetary grants for applied bee research in areas of immediate need for beekeepers. Money for honey bee research can be hard to obtain and EAS demonstrated forward thinking in establishing this fund. Our anonymous donor and the EAS Board of Directors are to be commended for the inception of this Foundation.

In most years since, EAS has made available small grants to the research community and, each year, EAS has made efforts to collect contributions towards increasing the balance of the fund. Quite honestly, much of the success of these efforts is due to large donations by a few people. The ultimate goal is to build a sizeable balance and award grants solely from the interest earned. Currently, the EAS Foundation for Honey Bee Research is at a record high level with a balance of nearly \$20,000. This year's awards will be announced this summer at our annual conference.

Since EAS established a research fund, other beekeeping organizations have begun their own funds, including the American Beekeeping Federation and the Canadian beekeepers. In the June issue of *Bee Culture*, Dr. Mark Winston describes the Canadian efforts to establish a research fund and the incredible success they have had (Winston, M., An Investment Opportunity, *Bee Culture*, 128:15-16, 2000). According to the article, in three years the Canadians have raised around \$550,000, with a goal of \$1,000,000! When I read this article I was stunned by their success. They set a lofty goal and have worked diligently and with some good fortune mixed in, they are well on their way towards achieving their goal. I heartily congratulate them on their efforts and am in awe of what they have accomplished.

At the EAS Board of Director's Meeting last October, discussions were held regarding goals for the EAS Foundation for Honey Bee Research. A suggestion was made that EAS set a goal of raising \$50,000 by the 50<sup>th</sup> anniversary of EAS in 2005. Excited discussions broke out around the room and most people present felt that we could readily achieve this goal through simple yet orchestrated efforts. Ideas discussed included collecting pennies, passing the hat, having the Master Beekeepers pool together and issue a matching challenge, holding larger auctions to benefit the Foundation, and continuing to solicit large contributions from benevolent donors. Here we are at the verge of another EAS annual conference and, to the best of my knowledge, there has been little progress. My point is simply this: although EAS lead the industry, being the first to see the need and take action by establishing the Foundation, we don't seem to be busily working, or out collecting, but are instead simply consuming previous years' money flow!

Be prepared to hear more about this over the next few years, and when the call for help goes out, consider whether you will be counted as a worker or a drone. Then consider which hive, one full of workers or one full of drones, is more likely to survive!

David Bernard, President, EAS 2000

## NHB REFERENDUM POSSIBLE

The referendum to determine the fate of the amendments to the National Honey Board program could be held this summer. The American Beekeeping Federation has joined the National Honey Packers and Dealers Association and the National Honey Board itself in requesting that the referendum be held no later than September.

"We would like to emphasize the need for the rule which will be subject to referendum to be issued as quickly as possible so that the referendum may be scheduled this summer and that the changes can be put into place as soon as practical," ABF Executive Director Troy Fore wrote to USDA Agricultural Marketing Service officials in the ABF's official letter of support for the order proposed by AMS. He concluded his comments by saying, "The U.S. honey and beekeeping industry has been debating these issues for several years and the potential voters are well aware of the issues. They are ready to vote and move ahead."

The last two NHB referenda were held during August. Mr. Fore said the ABF feels this is a time when producers are in stable locations (not migrating) and can ensure that they obtain a ballot and vote. In the 1996 referendum on whether to continue the Honey Board program, 82% of those voting approved continuation; those voting approval represented 77% of the honey produced and imported during the previous two-year period.

The comment period for the AMS-proposed order ended April 28. After studying the comments, AMS will publish a final proposal – which will be the subject of the referendum of producers, packers, and importers.

American Beekeeping Federation

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# EAS 2000 – THE PLAYERS

**Dr. Nicholas Calderone** – Dr. Calderone is an assistant professor of apiculture at the Department of Entomology at Cornell University in Ithaca, NY, where he has responsibilities in research and extension. Dr. Calderone began beekeeping in 1972 while an undergraduate at Ohio State University (OSU) in Columbus, Ohio. After graduation, he worked as a beekeeper and research technician at the OSU Bee Research Laboratory. Nick received a M.S. degree from Ohio State in 1985, where he studied behavior genetics of the honey bee with Dr. Walter Rothenbuhler. He continued these studies with Dr. Robert E. Page, Jr., and received his Ph.D. from the Ohio State University in 1988. After graduation, Dr. Calderone worked for 7 years with Dr. Shimanuki as a Research Entomologist at the USDA Bee Research Lab in Beltsville, Maryland, where he focused on the development of natural products for the control of varroa mites.

**Dr. Dewey M. Caron** – Dr. Dewey M. Caron was Dr. Roger Morse's 4th PhD student (1970). Dewey filled in for Roger as teacher of his popular beekeeping course to Cornell undergraduates and helped insure completion of the interior of Dyce Lab during Roger's sabbatical in the Philippines (1968). He also returned from sabbatical in 1977 to help instruct and test the first New York Master Beekeepers, a program that Roger turned over to EAS in 1979. Following Ithaca, Dewey was apiculturist at the University of Maryland (1970-1981) before going to University of Delaware as Department chair. He currently is professor of Entomology and Applied Ecology with a three-way split of extension (includes apiculture), teaching (includes two beekeeping courses) and research (bee mites, pests of bees, queen replacement). He has been EAS President (1986), Chairman of the Board (1990-1998) and currently chairs the EAS Foundation for Honey Bee Research.

**Mr. Bob Cole** - Bob Cole is the owner of Pot O' Gold Honey in Todd, North Carolina. His beekeeping operation of 800 colonies provides pollination services in the surrounding area. In addition, Bob's bees are managed for honey production, including the much sought-after sourwood honey. Bob has been involved in beekeeping since the age of 3 and was taught the art of beekeeping by his two grandfathers. Bob has been an active member of EAS for many years. He became an EAS master beekeeper the first year that the society offered the exam in 1981. Bob served as EAS chairman of the board from 1985 to 1990 and has served in numerous other capacities for EAS.

**Dr. Marion Ellis** - Dr. Marion Ellis is an assistant professor of entomology at the University of Nebraska. He received his B.S. and M.S. degrees from the University of Tennessee in 1972 and 1974, respectively. Upon completing his M.S., he served as a Peace Corps volunteer in Peru and El Salvador, working as a teacher and extension specialist. He then spent 4 years at the North Central Regional Plant Introduction Station working on cage pollination of plant germplasm collections and then 15 years as the Nebraska State Apiculturist. Dr. Ellis returned to school and completed his Ph.D. in entomology in 1994. His dissertation examined the toxic effects of monoterpenoids on the honey bee and its tracheal mite parasite. His current research focuses on investigating novel products for controlling varroa mites and establishing mite treatment thresholds for the North Central Region.

**Dr. Norman E. Gary** - Dr. Gary has 50 years of diverse experience with honey bees including hobby and commercial beekeeping, research, teaching, and consulting for the entertainment industry. Dr. Gary obtained his Ph.D. in Entomology at Cornell University. He then worked at the University of CA Davis as a research entomologist for 32 years. During his tenure, he taught various apiculture and entomology classes and conducted research on beekeeping behavior. Since that time, Dr. Gary has been doing consulting work for the television and film industry on bee related projects. He has served as a consultant or "bee wrangler" on feature films such as X-Files, Fried Green Tomatoes, Man of the House, Candyman, Candyman 2, Candyman 3, The Truth About Cats and Dogs, My Girl, Leonard Part VI, Beverly Hillbillies, The War, Walk in the Clouds, Invasion of the Bee Girls, Savage Bees, Terror Out of the Sky, and Deadly Invasion: The Killer Bee Nightmare. He has appeared on television shows with Johnny Carson, Jay Leno, Guinness World Records, and a host of other individuals.

**Dr. John R. Harbo** - Dr. Harbo is a research entomologist at the USDA Honey Bee Breeding, Genetics & Physiology Laboratory in Baton Rouge, LA; he has held that position since 1971. His research has focused on instrumental insemination and selec-

tive breeding of honey bees. In his most recent work, he has developed methods for selecting honey bees for resistance to varroa mites. Dr. Harbo is a native of Minnesota who earned a PhD in apiculture at Cornell University under Dr. Roger Morse. He received the J. I. Hambleton award in 1996 from EAS and the Award for Apicultural Excellence from the American Association of Professional Apiculturists in 1997.

**Dr. Roger Hoopingarner** - Dr. Hoopingarner is professor emeritus at Michigan State University where he has been on the faculty for 39 years. Dr. Hoopingarner has conducted bee research on a variety of subjects including the metabolism of pesticides, genetic effects of pesticides on insects, system modeling of honey bee pollination, honey bee colony dynamics, European foulbrood disease, plant disease transmission through pollination, and varroa and honey bee population dynamics. He is currently president of the American Association of Professional Apiculturists and the Michigan Beekeeper's Association. Dr. Hoopingarner earned his Ph.D. at the University of Wisconsin where he studied genetic and environmental factors affecting honey bee queen production.

**Dr. Wyatt A. Mangum** - Dr. Mangum has kept bees for over 30 years, beginning at the age of ten. Currently, he manages 200 colonies. In addition, he maintains 30 observation hives where he conducts experimental work with queen cells and swarming, and bee behavior. Dr. Mangum writes a column on honey bee biology for the American Bee Journal and takes photographs of bees. Dr. Mangum has an interest in the history of apiculture. He owns an extensive collection of antique beekeeping equipment, including hives dating back to the 1840's and over 100 old smokers. Dr. Mangum's diverse collegiate education includes a B.S. in physics from Virginia Polytechnic Institute and State University, a M.S. in mathematics and a Ph.D. in genetics both from North Carolina State University. He currently teaches mathematics at Mary Washington College in Fredericksburg, Virginia.

**Dr. Jeffery S. Pettis** - Dr. Pettis is a research entomologist at the USDA Bee Research Laboratory in Beltsville, Maryland. He is currently conducting research on the control of parasitic mites, small hive beetles and American foulbrood in honey bees. Dr. Pettis completed his B.S. and M.S. degrees in entomology at the University of Georgia. He earned his doctoral degree at Texas A&M University supported by a research agreement with the USDA Honey Bee Research Unit in Weslaco, Texas. His work there focused on the reproduction and dispersal behavior of honey bee tracheal mites. Dr. Pettis worked as a postdoctoral associate at Simon Fraser University with Dr. Mark Winston where he studied the role of pheromones on honey bee behavior and crop pollination, and resistance mechanisms of honey bees to tracheal mites.

**Dr. Hachiro Shimanuki** - Dr. Shimanuki is a research microbiologist at the USDA Bee Research Laboratory in Beltsville, Maryland. "Shim", as he is known to most of his friends, is responsible for coordinating honey bee research between the USDA bee laboratories and other Federal agencies to ensure that new technology is made available to the bee industry. In addition, he oversees the bee disease identification service performed by the Bee Research Laboratory. Shim is considered the dean when it comes to bee diseases and pests. He has worked tirelessly during his career to help beekeepers overcome disease and pest problems in their honey bee colonies. Dr. Shimanuki received his B.S. degree from the University of Hawaii and his Ph.D. from Iowa State University where he studied honey bees with Dr. Walter C. Rothenbuhler.

**Dr. James E. Tew** - Dr. Tew is an associate professor of entomology at the Ohio State University. Since 1978, Dr. Tew has taught classes, provided extension services, and conducted applied research on both honey bees and honey bee behavior. Additionally, he has written numerous beekeeping articles for beekeeping journals. Dr. Tew has traveled widely to observe beekeeping techniques and procedures. From 1987 to 1995, he served as the National Program Leader for Beekeeping for the USDA Extension Service, Washington D.C. Currently, Dr. Tew is conducting a regionalized cooperative extension beekeeping project with Auburn University in which basic Alabama extension responsibilities are conducted by Dr. Tew from Ohio. Dr. Tew is much sought after for his entertaining and educational lectures on beekeeping related topics. Dr. Tew earned his Ph.D. at the University of Maryland under the direction of Dr. Dewey M. Caron.

## From The Editor . . .

It's almost here. Hard to believe another year has passed. I hope all of you are planning that trip to Maryland. I can hardly wait. EAS has become a part of my life, as with many of you. We meet in a different place each year which is exciting. I've been to places I had only dreamed of. But the best part is seeing those familiar faces. Old friends, many we see only at EAS, and we expect them to be there and are disappointed if they're not. We catch up on our lives of the past year.

Salisbury is a beautiful setting for our meeting this year. And David Bernard and his team have organized a wonderful event. Some speakers you've probably never heard before.

So please join us. It's not too late! We'll see you there. Make sure you say hi.

EAS and all of beekeeping lost a special friend recently. Roger Morse passed away May 12, at his home, in his sleep with many unfinished projects piled around him. What an incredible man. Don't we all wish for that kind of life – busy and productive every step of the way.

I had the pleasure of making a trip to Florida this past February to attend the FL/NY meeting that Roger organized at the Archbold Research Center. The meeting was an all day Saturday thing. But on Sunday we had the privilege of spending the day with Roger and Mary Lou. We visited their home, had a wonderful seafood lunch and then with Roger driving – first by car and then by golf cart – we toured the area. Roger serving as our tour guide filled us in on the history.

As we ate and drove, we talked. Mary Lou shared stories of the amazing life they had shared – almost 50 years. Glimpses of children, trips to far off places, as Roger studied, taught, wrote books and did all the things he loved to do.

Most of us have memories of Roger. Some were students, co-workers, friends – or maybe never having met him, knowing him by his words alone. I feel especially lucky to have added another memory.

Kathy Summers

## ABF Goes To Paradise

A convention in San Diego, followed by a study tour to Hawaii is being planned by the American Beekeeping Federation for January 2001.

The convention will open on Friday, January 12, at the San Diego Marriott Hotel in Mission Valley, and run through Monday, January 15. On Tuesday, January 16, the focus will turn to Hawaii, when a group will fly to Kona on the Big Island for six days of visiting beekeepers and sightseeing "in Paradise." The Kona tour will fly home on Sunday, January 21.

Discount travel programs are being arranged by the ABF and details will be available soon. Watch for updates on ABFnet.org.

For information on promoting products and services through the ABF Trade Show and through advertising and sponsorships, contact the ABF Office, P.O. Box 1038, Jesup, GA 31598, ph. 912.427.4233, FAX 912.427.8447, email <info@abfnet.org>

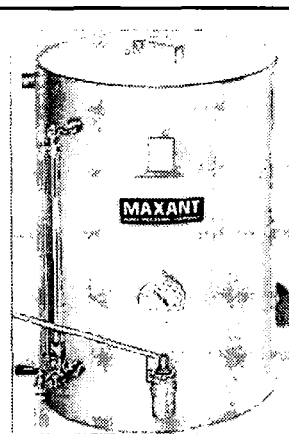
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## From The Colonies

News • Events • Gossip From The EAS Beeyard



EAS belongs to most of our region's State Associations in order to keep up with what's going on in the Colonies. If we don't yet belong to your Association contact Loretta so we can sign up. And, send us your newsletter so we can keep up. Following, in no particular order, are snippets we've found.

**The Empire Honey Producers**, from New York, have a new Editor, Aaron Morris, for their newsletter. Duane and Wanda Wade, after years of duty retired after the Winter issue. You may know Aaron, or of him, as he's associated with the BeeLine chat group on the web. Duane and Wanda were featured recently in an article in *Bee Culture*. Famous people, those New Yorkers. BTW, their Summer meeting is July 22 at The Doans, in Hamlen. Call President Gascon at 716.476.2772 for info.

**North Carolina and South Carolina** will have a joint meeting next March (get out your 2001 calendar) in Myrtle Beach. Call Mike Hood at 864.656.0346 for info.

**Richard Corrigan**, long time **Massachusetts** beekeeper and member of the Essex County Beekeepers passed away in March. he was known by many EAS members.

**Indiana** has a special meeting July 14-15 in Goshen. Pat Heitkam, California queen producer will be there, definitely worth the trip, plus all the rest. Call Jim Curlee at 219.289.1992.

**Life Member Committee Chair Bill Troup**, our Maryland Director, was hired as the regional apiary inspector for three counties. Our 30-year veteran teachers, inspects, and sells nucs with his wife, Nancy.

**West Virginia** holds their annual Honey Festival in Parkersburg September 9-10. Arts & Crafts, honey exhibits, candle making, a car show, hive demos, a baking contest and lots of music. Call 304.424.1960 for information.

**Dewey's** on the road again in September to the West Virginia Fall meeting at Cedar Lakes, September 29-30. Call 304.478.3675 for information.

EAS Director from Alabama **Margie Smith**, is still trying to get her state to adopt the Queen Honey Bee (mind you, not just the honey bee) as her state's insect. Some opposition is around, but we hope it works out.

Will **Michigan** and **Ontario** hold a joint meeting? This year? Seems like a good idea to us. Meanwhile, Ontario holds their summer meeting July 8 in Kingston. To find out more call Pat Westlake at 519.565.2622.

**Not listed? Not mentioned? Send a note to the Editor, Kathy Summers, 432 Baxter St., Medina, OH 44256. Bee part of the Colonies next time!**

**Please send your state or local newsletters to the Editor. Let us keep up with what's going on in EAS territory.**

## EAS Journal

Kathy Summers, Editor  
432 Baxter St.  
Medina, OH 44256

### 2000 Society Board of Directors

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3280 Salco Road  
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334.675.9129

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14 Panorama Drive  
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302.731.9129 (fax)  
cdreyn@delanet.com

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#### PENNSYLVANIA

Gary M. DeBerry 2001  
921 Wayne Street  
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#### AAS

Walter D. Blohm  
80-32 165th Street  
Jamaica, NY 11432  
718.380.0829  
beevenom@juno.com

#### HISTORIAN

William Evans  
830 West 40th St., #616  
Baltimore, MD 21211-2164  
410.243.5677  
EvansParl@aol.com

#### EAS JOURNAL

Kathy Summers  
432 Baxter St.  
Medina, OH 44256  
330.723.2783 (h)  
330.725.6677, Ext. 3215 (w)  
330.725.5624 (fax)  
beeculture@airroot.com