



Eastern Apicultural Society EAS JOURNAL

Beeing Social In 2002

Welcome To EAS at Cornell University

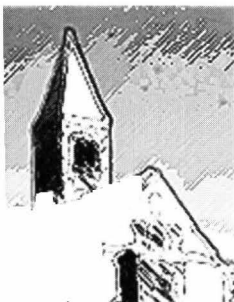
EAS has not been hosted by New York for 30 years. The last time here was in 1969 as per Dewey Caron's memory of being the last speaker on the last day. This has been a very long time! While I do not know why EAS has not returned sooner, I think I can answer why Cornell University has been chosen over other locations in this very large state.

Cornell University is the Land Grant institution of NY, funded and mandated to perform agricultural extension. But beyond this technicality, New York Beekeepers have always been involved with the apiculture program at Cornell. Many of the influential beekeepers of the state organization, past and present, have either graduated from Cornell or have actively assisted in the applied research projects originating from the apicultural entomologist at Cornell. You will note that the rare beekeeping book collection was initiated by then Professor of Apiculture E.F. Phillips who motivated beekeepers to donate actively. In the early 1900s a beekeeper named William Lamar Coggshall, at that time the largest honey producer in the world, was located 20 miles from Cornell & later wrote a book on Beeswax which was co-authored by Roger Morse. Do I really need to tell you where Roger was from? In 1949 Karl von Frish traveled to Cornell to Lecture on his many years of experience with bees, to the faculty but his lectures were attended by area beekeepers. Today I know of at least four influential, commercial beekeepers who are Cornell Graduates, there are probably more. Of course I could start the long list of beekeeping scientists coming through the apicultural program here at Cornell but I hate to drop names. Ultimately, the

stage has been set for an influential program in apiculture that transcends state boundaries and has had an affect on many of us beekeepers. Consider the origins of the EAS master beekeeping program. This is the legacy of the Cornell Apicultural program. However, please do not overlook the basic research that is also being conducted at Cornell on invertebrates, wasps, social animals and other bees than *Apis mellifera* that also impact us. For example The Author of

The Wisdom Of The Hive, Tom Seeley is also on the faculty here – and committed to our conference.

It is because of this history, the Empire State Honey Producers Association and the Dyce Laboratory for Honey Bee Studies have teamed up to host this summer's EAS conference at Cornell University. Much has changed since th last time EAS was hosted in NY and much has not. One



A Glimpse Of The 2002 Program

(you don't want to miss this one)

If you haven't made plans to come to EAS 2002, you better put down that remote and get cracking. This year's program promises to be the most memorable apicultural experience of your lifetime and tickets are going fast. We have invited the 'who's who' of the beekeeping research and extension worlds.

Wednesday gets things going with talks on the mysteries of the hive and beekeeping around the world. Learn about the colony as a honey factory, a new race of bees from central Asia, beekeeping with *Varroa* and Africanized honey bees in Brazil and Mexico, beekeeping with the giant honey bee and tigers in India, plus much more. On Thursday morning, you will have your choice of talks in two sessions. One is on bee breeding and the promises it holds for solving our problems with honey bee parasites and pathogens. The other addresses a 'mixed bag' of beekeeping topics, including swarming, pollination with bumble bees, wintering physiology, squash bees for pumpkins, and pollination with top bar hives. On Friday morning, you once again have your choice of talks from two sessions. One session addresses a number of important emerging issues in beekeeping, including TM resistant AFB, the effects of transgenic crops on bees, 'mad bee' disease, and resistance management for pesticides. The other session focuses on apiculture extension, including IPM for honey bee parasites and pathogens, as well as talks on the small hive beetle and apicultural extension in the 21st century.

Cornell's own Tom Seeley, author of *Honey Bee Ecology* and *The Wisdom of the Hive*, will give a keynote address on Wednesday. In addition, Cornell offers terrific amenities (imagine, if you will, air conditioned sleeping rooms) and beautiful environs for your pleasure and relaxation.

This is one get together you really can't afford to miss.

Nick Calderone

2002 Vice President & Program Director

Spring 2002



What's Inside

- A Word From The Chairman
- **Your 2002 Registration Form**
- More From Cornell
- All About EAS 2002

A Word From Our Chairman . . .

In recent years the decision makers in EAS have moved away from listening to the members who make up the group. I'm not referring to the Directors from each state. We'll look at that group another time. I'm referring, in part, to those individual members who pay dues each year, attend the Annual Conference, and occasionally take part in the other activities sponsored by EAS – contributing to the Research Fund or becoming Master Beekeepers for instance.

I'm mostly referring to the *groups-within-our-group* – the county and regional associations that reside across the EAS landscape. According to *Bee Culture's* 2002 Who's Who (a list that, admittedly I'm partial to, but since it's the only one published I must use), there are over 340 associations in EAS member states. Currently, fewer than a couple dozen are Delegate members.

If EAS is to serve its nearly 700 members we need to know what all members want, need and wish for. We won't do it if we don't know somebody wants it. Directors speak for the respective state organizations, and some of these are in close contact with the smaller groups in their states, and some not so close. In the best of worlds we could have democracy – one person, one vote. But efficiency and expediency dictate we operate as a republic, with elected representatives speaking for many members.

An expanded and vigorous Delegate Board would certainly increase the cacophony of voices to be heard, and ideas to be explored. Personally, I can't think of a better way to run an organization. This spring, while you're thinking about it, sign up *your* organization

and elect or appoint a Delegate to attend our Delegate's Board meeting at Ithaca. It will be at 6:00 on Wednesday night, before the welcoming festivities. Look in the program for the room. This year, let your voices be heard.

Who belongs to EAS? There are the friends and acquaintances you see when you attend conferences. And there are the Officers and Directors who names appear in this Journal. But who else? Well, we'd like to tell you, so we will. In the next Journal, we'll list current members, by state, so you'll know. Listings will look like this; under Ohio for instance:

Kim Flottum, Life Member
Medina, OH

Complete address won't be used, and we won't list your name if you don't want, but you need to let the Editor know so your name can be removed.

The 2004 Conference to be held at 7 Springs Resort, in Champion, PA is beginning to loom on the horizon. EAS has, essentially, invited itself to the Keystone State since we weren't invited anywhere else, so we'll be handling many of the plans. However, we'll certainly accept any volunteer help we can find. And, one detail, we need a PA President to lead the way. Anyone interested? PA Beekeepers have discussed this, but no takers, so far. Let me know if you're excited about EAS in PA in '04!

Kim Flottum, Chairman

Kathy Summers, EAS Journal Editor

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330.725.5624 FAX • email: SummersKathy@msn.com

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

EAS Journal

Journal of the Eastern Apicultural
Society of North America, Inc.
Volume 30, Number 2

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thing that has not changed is the natural beauty of the Finger Lakes region of upstate NY. It is a very popular tourist destination because of the lakes, the wineries, the gorges and the relative peace and quite of the region. Ithaca also has a distinguished list of fine restaurants, like the Moosewood as well as other interesting sites that we will be providing information on once you arrive.



Cornell University situated on a hill side above the lake is a beautiful campus amongst deep shale gorges, well maintained green space, and historic buildings. The arboretum, azalia garden, poison plant garden, and

herb garden joins the other beautiful landscapes of Campus. Just off campus is the internationally renowned Laboratory of Ornithology. I have not the time or space to describe it justly.

I'm sure you will find this a spectacular location for this year's conference. We have a jam-packed program so you will have so much to do and such little time. Hope to see you in August!

Mike Griggs
President 2002

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

Challenging Opportunities - Short Course 2002

Early on in the process of arranging the EAS 2002 short course schedule I backed off my original theme of "Turning it up a Notch", realizing that such a program overlooked a critical part of the beekeeping fraternity - those just starting out. No one jumps into a pursuit as an expert, we all start at the beginning and any program that does not embrace that is simply inadequate. However, I have never cared for stigmas attached to groupings of beekeepers. Whether you're starting a new hobby, continuing a life-long hobby, running a sideline business or you're a successful commercial beekeeper, we all share a fascination for the honey bee. That's the common bond that brings everyone to EAS!

So I'm avoiding the nomenclature associated with Track I for beginners and Track II for the more experienced. I am going on the premise that anyone participating in the EAS 2002 short course is doing so to achieve the maximum educational experience that can be afforded to him or her, regardless of where they are in their beekeeping pursuit. As such, short course sessions have been designated as "Right Sizing", "Upsizing" or "Hybrid". "Right Sizing" sessions are appropriate for those who have not reached a point in their beekeeping career where they know where their fascination will take them. "Upsizing" sessions are designed to help those who are confident they want to increase colony numbers and grow their operation. "Hybrid" sessions are appropriate to any beekeeper, regardless where they are in their beekeeping career. This year's short course is designed to allow the flexibility to design and tailor what sessions one will attend based on his or her own needs and desires.

EAS 2002 at Cornell University has brought some "challenging opportunities," the most unique of which is the need to locate the apiaries at Dyce Lab while holding the lecture series on the north campus. Coupled with extremely tight parking at Dyce, this resulted in the need for a shuttle bus to transport participants between classroom and field sessions. It is *imperative* to note

that the shuttle bus will only run at the beginning of the day, at noon, and at the end of the day. If you choose an 8:30 session at Dyce, you **WILL** be at Dyce until noon and must choose a 10:30 session scheduled at one of the Dyce Lab locations. Likewise, if you choose a 1:30 session on North Campus, you **WILL** be on North Campus **ALL** afternoon and must choose a 3PM session scheduled at one of the North Campus locations. There can be NO moving from Dyce to campus (or vice versa) at 10AM and 3PM. **NO EXCEPTIONS!**

The other "challenging opportunity" comes from some sessions that have real limits on size. Anatomy labs can only accommodate twenty and "Bee Room Dancing" can only accommodate eight pupils at a time. To address this limitation, multiple sessions of each have been scheduled. As you make out your schedule, keep in mind that you may not be able to get your first choice and be prepared to make a second choice. Students can attend more than one anatomy lab during the short course, but "Bee Room Dancing" will be limited to "One per customer". Registering early and correctly will help ensure you get the session you want.

The offerings of the EAS 2002 short course cover a broad range of topics and abilities. Some of the offerings are unique to EAS 2002 at Cornell University; other sessions are tried and true EAS favorites. Anatomy labs offer a great opportunity for all beekeepers. Sessions that tap the expertise of members of the hosting association (The Empire State Honey Producers Association) offer a unique New York State of mind. EAS Master Beekeepers will also shine at the short course. I sincerely hope those who participate in the EAS 2002 short course find the experience as exciting and challenging as I have had putting it together.

Come to Cornell University and participate in EAS 2002 Short Course. You'll find another reason to exclaim I love New York!

Sincerely,
Aaron Morris
EAS Short Course Coordinator

2002 Conference Schedule – Aug.7-9

WEDNESDAY AFTERNOON – SECTION 1

- 1:30 PM Tom Seeley, *The Bee Hive as a Honey Factory*
2:10 PM Steve Sheppard, *Apis mellifera pomonella: A newly described honey bee from central Asia*
2:50 PM Break
3:30 PM Michael Burgett, *Beekeeping with Apis dorsata and Tigers in India*
4:10 PM Jim Tew, *A James Tew Special*
4:50 PM Ernesto Guzman, *Beekeeping with Africanized Honey Bees in Mexico*
5:30 PM BREAK FOR SUPPER

WEDNESDAY AFTERNOON – SECTION 2

- 1:30 PM Michael Burgett, *Beekeeping with Apis dorsata and Tigers in India*
2:10 PM Ernesto Guzman, *Beekeeping with Africanized Honey Bees in Mexico*
2:50 PM Break
3:30 PM Dave De Jong, *Beekeeping with Varroa and Africanized Honey Bees in Brazil*
4:10 PM MaryAnn Frazier, *What's New Honey? The Good, Bad and the Ugly News*
4:50 PM Jim Tew, *A James Tew Special*
5:30 PM BREAK FOR SUPPER

WEDNESDAY AFTERNOON – SECTION 3

- 1:30 PM Dave De Jong, *Beekeeping with Varroa and Africanized Honey Bees in Brazil*
2:10 PM MaryAnn Frazier, *What's New Honey? The Good, Bad and the Ugly News*
2:50 PM BREAK
3:30 PM Steve Sheppard, *Apis mellifera pomonella: A newly described honey bee from central Asia*
4:10 PM Tom Seeley, *The Bee Hive as a Honey Factory*
4:50 PM Tom Sanford, *Pesticide resistance management*
5:30 PM BREAK FOR SUPPER

WEDNESDAY EVENING SOCIAL

- 7:00 PM Mike Griggs, *Introduction*
7:15 PM ESHPA Representative Introduction

THURSDAY MORNING – BREEDING – SECTION 1

- 8:00 AM John Harbo, *Making Our Bees Resistant to Varroa*
8:30 AM Greg Hunt, *Can Modern Genetic Tools Help Breed Mite Resistant Bees?*
9:00 AM Marla Spivak, *Hygienic Behavior: How Much is Enough?*
9:30 AM Sue Cobey, *Bee Genetics, Selection and Closed Population Breeding*
10:00 AM BREAK
10:30 AM Tom Glenn, *Beneficial Bee Breeding*

- 11:00 AM Patti Elzen, *Resistance Management Strategies for Pests and Diseases of the Honey Bee*
11:30 AM Bob Brachmann, *A New York Beekeepers Operation: Pollination, Nucs, Queens and Honey*
12:00 PM BREAK FOR LUNCH

THURSDAY MORNING – MIXED BAG – SECTION 2

- 8:00 AM Dewey Caron, *Swarming - What Have We Learned in 40 Years?*
8:30 AM Marion Ellis, *Bumble Bees: Getting to Know the Relatives*
9:00 AM Gard Otis, *Proteins and Wintering Bees*
9:30 AM Roberta Glatz, *The Squash Bees: An Alternative Pollinator for Pumpkins and Squash*
10:00 AM BREAK
10:30 AM Wyatt Magnum, *Commercial Pollination with Top Bar Hives*
11:00 AM Rick Fell, *Honey Bees and Beekeeping in South Africa*
11:30 AM John Skinner, *Pollinators Wanted*
12:00 PM BREAK FOR LUNCH

FRIDAY MORNING – EMERGING ISSUES – SECTION 1

- 8:00 AM Jim Doan, *Beekeeping & Pollination in New York*
8:30 AM Cynthia Scott-Dupree, *Gaucha: A Threat to Foraging Honey Bees?*
9:00 AM Mike Hood, *Tracking Small Hive Beetle in the U.S.*
9:30 AM Zachary Huang, *Effect of Transgenic Pollen on Honey Bees*
10:00 AM BREAK
10:45 AM Mark Feldlaufer, *New Antibiotics for Control of American Foulbrood Disease*
11:15 AM Business Meeting
11:45 AM BREAK FOR LUNCH

FRIDAY MORNING – EXTENSION – SECTION 2

- 8:00 AM Diana Sammataro, *Bee Mite IPM Management Techniques*
8:30 AM Tony Jadczyk, *Honey Bee Pathogens and Parasites in Commercial Operations*
9:00 AM Medhat Nasr, *Integrated Pest Management of Mites in Canada and New Jersey*
9:30 AM Tom Webster, *Modified Bottom Boards for Varroa Control*
10:00 AM BREAK
10:45 AM Dennis van Englesdorp, *Apicultural Extension in the 21st Century*
11:15 AM Business Meeting
11:45 AM BREAK FOR LUNCH

FRIDAY EVENING

- Banquet Tom Sanford, *Banquet Speaker*

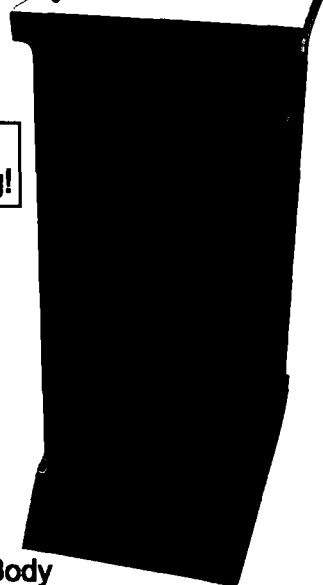
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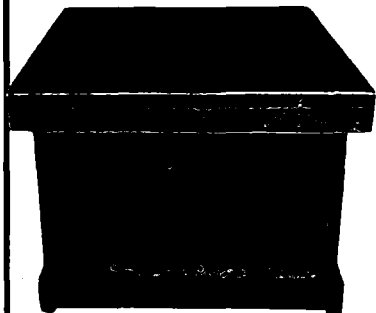
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Master Beekeeper Update

Our group has been a major strength of EAS over the years. Again this year, the Master Beekeepers (MBK) are asked to help with short courses, conference, and workshops to make this annual fellowship gathering a success. To that end, Penny McCaig is coordinating the tasks to be done and those available to do them. Many hands make light work so I hope you can help share the load this year at Ithaca. Some of the jobs are just to stand by and help the instructors as needed at the time, other jobs are leading bee yard excursions, and we need test assistants for the Master Beekeeping Certification test. All of these also provide great learning opportunities. Please contact Penny and let her know ahead of time that you are going and your availability to help. She can be reached at james.mccaig@sympatico.ca or 450.455.8345.

We have posted the Master Beekeeper list on the web at <http://www.easternapiculture.org/programs/mb/mblist.php> and have included contact information for those who have released us to do so. Please check your information, send in any corrections, and release us to publish contact information if you are willing. We would like this list to become a resource for beekeepers and beekeeping clubs when they are looking for help with problems or knowledgeable presenters.

The maintenance of the original

high standards set by Dr. Morse many years ago requires diligence and care. To that end, we have been reviewing and updating our certification process. This year, we will be adding an oral portion to our certification test as discussed at last year's meeting. This is because we live in a media world where Master Beekeepers are asked to represent our industry to the public in many different venues; a call from a distressed novice, discussions across neighborhood fences, club meetings, town meetings, or commentaries on TV headline news coverage. We need to be ready to articulate the importance of honeybees, diffuse misdirected concern, and maintain the opportunity to continue this important husbandry.

We need help developing questions for the oral exam. The structure of the test process and two sample questions are included in the application at <http://www.easternapiculture.org/programs/mb/mboverview.shtml> but we need many more for the actual testers to use. These questions should test the candidate's knowledge of situations that can occur in dealing with bees and the public. Please compose a couple questions and describe the important issues that should be covered in the answer. Send them to me at lackeyray@tianca.com or 1260 Walnut Ave, Bohemia NY 11716-2176.

See you in Ithaca!

Ray Lackey
Master Beekeeper Director

Obituary for Norman E. Farmer

Norman Edward Farmer, Sr., 75, of Perkins St. Bristol, husband of Mavis (Young) Farmer died Friday, February 22, 2002 at home. He was born May 10, 1926 in Billerica, MA. A long time Bristol resident, he was a U.S. Navy Veteran of WWII, having served in the pacific theatre. Mr. Farmer was employed at Pratt and Whitney for 20 years, until his retirement. He was a commercial beekeeper for the past 40 years, having owned and operated the Honeycomb Apiaries in Bristol. He was a member and past vice president of the Connecticut Beekeepers Association. He was a life member of the Eastern Apicultural Society and a member or the Empire State Honey Producers

Association. Mr. Farmer was instrumental in teaching many beekeepers, supporting honeybee research programs and working to enact legislation in Connecticut to protect beekeepers rights. Mr. Farmer was also a member of the United Pentecostal Church of Bristol and the VFW. Besides his wife, 1 brother, 4 sons, 4 daughters, 17 grandchildren and 7 great grandchildren survive him. Mavis and Mr. Farmer's son, David Farmer, will continue the Honeycomb Apiaries business. Memorial donations may be made to the United Pentecostal Church, 47 Lewis St. Bristol CT 06010 or to the Hospice Program of the Bristol VNA, Maltby St., Bristol, CT.

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2002 SHORT COURSE SCHEDULE

The challenge of Short Course scheduling at EAS 2002 stems from the logistics of holding the classroom lectures on the North Campus while locating the apiaries at Dyce Lab. Shuttle busses between North Campus and Dyce Lab will run in the morning, lunchtime and at the end of the day. **IT IS IMPERATIVE** to note there will be no shuttle between the early and late morning sessions, and likewise in the afternoon. If you choose an 8:30 session at Dyce, you **WILL** be at Dyce until noon and must choose a 10:30 session scheduled at one of the Dyce Lab locations. Likewise, if you choose a 1:30 session on North Campus, you **WILL** be on North Campus ALL afternoon and must choose a 3:00 p.m. session scheduled at one of the North Campus locations.



MONDAY - NORTH CAMPUS

Auditorium

- 8:30 - 10 Maryann Frazier, *Honeybee Biology as it Relates to Mgt. - I*
 10:30 - 12 Dewey Caron, *Small Scale Queen Rearing*
 1:30 - 3 Wyatt Mangum, *Queen Cell Biology and Queen Introduction*
 3:30 - 5 Wyatt Mangum, *A Beekeeper's Antique Roadshow!*

Lab

- 10:30 - 12 Marion Ellis, *Anatomy Lab*
 1:30 - 3 Rick Fell, *Anatomy Lab*
 3:30 - 5 Dewey Caron, *Anatomy Lab*

Dormitory

- 8:30 - 10 John Skinner, *Location, Location, Location*
 10:30 - 12 Mike Burgett, *Pollination in the Willamette Valley*
 1:30 - 3 Tony Jadzak, *Commercial Pollination*
 3:30 - 5 Bill Troup, *Pollination on a Smaller Scale*

MONDAY - DYCE LAB

Yard A (Check box on registration form)

- 1:30 - 3 Diana Sammataro, *Varroa Sugar Shake*
 3:30 - 5 John Skinner, *Sampling for Varroa with Rolls, Pulls & Sticks*

Yard B (Check box on registration form)

- 8:30 - 10 *Making Splits*
 10:30 - 12 *Making Splits*
 1:30 - 3 *Making Splits*
 3:30 - 5 *Making Splits*

Yard C (Check box on registration form)

- 8:30 - 10 EAS MBK, *Hive Walk Through*
 10:30 - 12 Rick Fell, *Hive Walk Through*
 1:30 - 3 John Skinner, *Hive Walk Through*
 3:30 - 5 EAS MBK, *Hive Walk Through*

Dr. Seeley's Lab (See page 13)

- 8:30 - 10 *Bee Room Dancing*
 10:30 - 12 *Bee Room Dancing*
 1:30 - 3 *Bee Room Dancing*
 3:30 - 5 *Bee Room Dancing*

TUESDAY - NORTH CAMPUS

Auditorium

- 8:30 - 10 Medhat Nasr, *Comparative Anatomy of Queens, Drones and Workers*
 10:30 - 12 Dewey Caron, *IPM*
 1:30 - 3 Maryann Frazier, *Honeybee Biology as it Relates to Mgt. - II*
 3:30 - 5 Wyatt Mangum, *Another Slide Show*

Lab

- 10:30 - 12 Marion Ellis, *Anatomy Lab*
 1:30 - 3 *Anatomy Lab*
 3:30 - 5 *Anatomy Lab*

Dormitory

- 8:30 - 10 Tony Jadzak, *Winter in August!*
 10:30 - 12 Roberta Glatz, *Keeping Bees Smarter*
 1:30 - 3 Ann Harmon, *The Honey House of Your Dreams!*
 3:30 - 5 Roberta Glatz, *Keeping Bees Smarter*

TUESDAY - DYCE LAB

Yard A (Check box on registration form)

- 8:30 - 10 Dennis van Englesdorp, *Grafting Queens*
 10:30 - 12 Bob Cole, *CC Miller Queens*
 1:30 - 3 Mel Disselkoen, *IMN Queens*
 3:30 - 5 Jim Tew, *Jenter Queens*

Yard B (Check box on registration form)

- 8:30 - 10 Jim Doan, *Concerns When Buying Used Equipment*
 10:30 - 12 Jim Doan, *Box Management*
 1:30 - 3 Dewey Caron, *IPM Treatment Thresholds*
 3:30 - 5 Marion Ellis, *Comb Honey, Killion Style*

Yard C (Check box on registration form)

- 8:30 - 10 EAS MBK, *Hive Walk Through*
 10:30 - 12 EAS MBK, *Hive Walk Through*
 1:30 - 3 EAS MBK, *Hive Walk Through*
 3:30 - 5 EAS MBK, *Hive Walk Through*

Dr. Seeley's Lab (See page 13)

- 8:30 - 10 *Bee Room Dancing*
 10:30 - 12 *Bee Room Dancing*
 1:30 - 3 *Bee Room Dancing*
 3:30 - 5 *Bee Room Dancing*

WEDNESDAY MORNING - NORTH CAMPUS

Auditorium

- 8:30 - 10 Diana Sammataro, *Tracheal Mites*
 10:30 - 12 John Harbo, Marla Spivak, Tom Glenn, Sue Cobey
Breeding for Varroa Control

Lab

- 10:30 - 12 Rick Fell, *Anatomy Lab*

Dormitory

- 8:30 - 10 Alan Tremblay, *Beekeeping and the Tax Man*
 10:30 - 12 Tom Webster, *Survival Hives!*

WEDNESDAY MORNING - DYCE LAB

Yard A (Check box on registration form)

- 10:30 - 12 Jim Tew, *Making Your Own Equipment*

Yard B (Check box on registration form)

- 8:30 - 10 *Build it Right To Last Your Career*
 10:30 - 12 *Variety Is The Spice of Life*

Yard C (Check box on registration form)

- 8:30 - 10 Marla Spivak, *Assessing Hygienic Potential in Beehives*
 10:30 - 12 Medhat Nasr, *Diagnosis of Disease, and Control*

More About 2002 Short Course!

The Short Course is a little different this year. There are not defined Levels I & II as we have had in the past. This time you have lots of choices and we've tried below to offer a short description of those choices. You will see the words "Upsizing", "Rightsizing" and "Hybrid". Upsizing is for those beekeepers with experience who are ready to increase. Rightsizing is for those who are not as experienced. Hybrid is appropriate for any beekeeper, no matter what level.

MONDAY - AUDITORIUM

Honeybee Biology as it Relates to Management I

Maryann Frazier

A power point presentation that sets the pace for the week. How different aspects of honey bee biology relate to routine and seasonal hive management. (Rightsizing)

Small Scale Queen Rearing

Dewey Caron

Techniques, methods and concerns for raising queens on a small scale. Grafting, raising your queens and getting them mated are discussed. This course will be a good compliment to the non-grafting queen rearing sessions presented at Dyce. (Upsizing)

Queen Cell Biology and Queen Introduction

Wyatt Mangum

Exceptional slides accompany Wyatt's witty presentation. Learn to read queen cells, newly formed, deceptively vacated or long abandoned! Plus tips on requeening hives. (Hybrid)

A Beekeepers' Antique Roadshow!

Wyatt Mangum

Wyatt's slides, and his collection of antique beekeeping equipment is legendary in the industry. Enjoy this wonderful combination! (Hybrid)

MONDAY - DORMITORY

Location, Location, Location

John Skinner

Southern exposure, early sun with afternoon shade, protection from prevailing winds and other concerns. Where will you put **your** hives? (RightSizing)

Pollination in the Willamette Valley

Mike Burgett

The Willamette Valley is one of the most productive fruit growing regions of Washington State. See how commercial beekeepers handle the job. (Upsizing)

Commercial Pollination

Tony Jadzak

And on the right coast, pollination is also a big concern. See how honey bees bring Maine's blueberries to your table. (Upsizing)

Pollination on a Smaller Scale

Bill Troup

You don't need a semi and fork lift to land pollination contracts. Hear how Bill serves his pollination customers with a pickup and hand loader. Same game, smaller scale. (Upsizing)

MONDAY - DYCE LB

Varroa Sugar Shake

Diana Sammataro

Go *Varroa* hunting, doing the "Sugar Shake". Learn to evaluate mite loads in a kinder, gentler way that sweetens your bees! (Hybrid)

Sampling for Varroa with Rolls, Pulls and Stickies

John Skinner

Varroa monitoring tutelage continues with ether rolls and sticky boards. Not as easy on your bees, but they'll start right up on those cold mornings! Good lessons for all beekeepers. (Hybrid)

Making Splits

There are more reasons to make splits than increasing hive numbers. Splits can be used to: raise queens, mate virgin queens, requeen queenless colonies, sell to other beekeepers, to control swarming, to bank queens and more. These sessions will feature hands-on lessons in splitting full hives into nucleus colonies. (Upsizing)

Hive Walk Throughs

Take a guided tour through a colony of bees! When I started keeping bees with a buddy of mine, he and I fumbled around looking for what the books told us we should see, and we learned at a snail's pace. Over a decade passed before I worked hives with a seasoned beekeeper. Don't make the same mistake. These sessions will feature all the highlights of a hive, from spotting eggs, larvae and pupae to finer points like assessing hive strength, possibly identifying signs of past swarming or supersedure, maybe spotting the queen. Sessions will be kept small and intimate in size and will offer opportunities for close, personal instruction in the art of working bees. Recommended for "Rightsizing", but an opportunity for all!

TUESDAY - AUDITORIUM

Comparative Anatomy of Queens, Drones and Workers

Medhat Nasr

The title is self-explanatory. This session will feature live dissections of queen, drone and worker honey bees projected on the big screen. Recommended for all levels, this session is also recommended as a complement to the anatomy labs offered throughout the short course. (Hybrid)

Integrated Pest Management

Dewey Caron

"IPM" employs benign controls followed by assessment and evaluation of a problem to determine if a critical "Economic Threshold" has been reached. If so, chemical controls remain a weapon in the IPM arsenal. This session will address the fine points of IPM. (Hybrid)

Honeybee Biology as it Relates to Management II

Maryann Frazier

The next level. A power point presentation that is the follow up of the first show. How different aspects of honey bee biology relate to routine and seasonal hive management. (Upsizing)

A Beekeepers' Antique Roadshow!

Wyatt Mangum

Wyatt's slides, and his collection of antique beekeeping equipment is legendary in the industry. Enjoy this wonderful combination! (Hybrid)

TUESDAY - DORMITORY

Winter in August!

Tony Jadzak

EAS winters don't get much worse than those in Maine. Learn how to over winter hives where winter lasts nine months! This session offers a contrast to the "Tremblay 4-Pack" that will be featured during the conference. Recommended for all beekeepers north of the Mason/Dixon line. (Hybrid)

"Keeping Bees Smarter

Roberta Glatz

Roberta Glatz is not a big woman, yet she has kept upwards of 100 hives without any assistance. Roberta will share her experience on how to keep bees

Continued on Page 13

Spring, 2002

EAS 2002 REGISTRATION

Short Course & Conference - August 5 through 9, 2002

Cornell University, Ithaca, NY

To avoid a late fee, reservations must be post-marked by **June 15, 2002**.

WHERE CAN WE REACH YOU? THIS INFORMATION IS CRITICAL!

Name(s): _____

Address: _____

City: _____ State _____ Zip _____

Day telephone _____ Eve. Telephone _____

E-mail _____ FAX _____

Emergency Contact Name and Phone # during Conference: _____

Car 1 (make, model) (needed for free parking permit) : _____

Car 2 or trailer (make, model): _____

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 4 in your party, please use an additional sheet of paper.

| First name | Last Name | City & State only | Life Member | Master Beekeeper | Director | Delegate | Speaker | Vendor | Volunteer |
|------------|-----------|-------------------|-------------|------------------|----------|----------|---------|--------|-----------|
| a. | | | | | | | | | |
| b. | | | | | | | | | |
| c. | | | | | | | | | |
| d. | | | | | | | | | |

Please indicate whether any members of your party will require any special assistance, have mobility concerns, or other special needs:

Will need: _____

Will need: _____

1. EAS Dues: **Individual:** \$15.00 **Family:** \$20.00
 (Dues must be paid for attending family members who are not Life Members)

Life Membership: \$200.00 (must be paid in one installment)

Name(s) for Life Membership: _____

Dues \$ _____

Not Able to attend EAS 2002 in NY?

We're going to miss seeing you...

Would you like to support Honeybee Research?

You can continue to support needed research on the many challenges facing the honeybee industry through a donation, and perhaps hear the results of that research at a future EAS conference.

Please fill out your name and address above
and indicate the amount of your donation on the last page.

Thank you

Page 1 Subtotal (Item 1) \$ _____

(Continued on next page)

**Short Course, Meals, Tours,
& On-Campus Housing may be
Unavailable to Late or Walk-in Registrants**

Signing up for Short Course is different this year. Please indicate the names of the people attending, and then check one session in each of the five time slots for each of the attendees. If there are more than two people signing up for Short Course, please make additional copies of this page to register on. Please note that the shaded course(s) (Bee Dancing) WILL BE LIMITED TO ONE CLASS PER REGISTRANT AND MUST BE ACCOMPANIED BY ANOTHER COURSE AT DYCE (either before or after).

| | | | | | |
|---|--|----------|----------|---|----|
| 2. Short Course - 8:30 AM Monday August 5 through Wednesday noon August 7, 2002 | | | | | |
| Please list the name(s) of those attending each level. | | | | | |
| Name | | | | Enter fees to the right | |
| a. | | | | \$160 | \$ |
| b. | | | | \$160 | \$ |
| Walk-in fee \$75/day | | | | | |
| May be unavailable to late & walk-in registrants | | | | Short Course Total | |
| \$ | | | | | |
| Monday | | | | | |
| 8:30 AM - Noon | | a | b | 1:30 PM - 5:00 PM | |
| | | a | b | | |
| Bee Biology & Queen Rearing | | | | Queen Cell & Antiques | |
| Bee Biology & Ellis Anatomy Lab | | | | Queen Cell & Caron Anatomy Lab | |
| Bee Biology & Willamette Pollination | | | | Queen Cell & Small Scale Pollination | |
| Location & Queen Rearing | | | | Fell Anatomy Lab & Antiques | |
| | | | | Commercial Pollination & Antiques | |
| Dyce Lab/Bee Yards <input type="checkbox"/> B <input type="checkbox"/> C (see Journal) | | | | Dyce Lab/Bee Yards <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C (see Journal) | |
| 8:30 Bee Dancing Followed by <input type="checkbox"/> B <input type="checkbox"/> C | | | | 1:30 Bee Dancing Followed by <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C | |
| 10:30 Bee Dance Preceded by <input type="checkbox"/> B <input type="checkbox"/> C | | | | 3:30 Bee Dance Preceded by <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C | |
| Tuesday | | | | | |
| 8:30 AM - Noon | | a | b | 1:30 PM - 5:00 PM | |
| | | a | b | | |
| Comparative Anatomy & IPM | | | | Bee Biology & Mangum Slides | |
| Comparative Anatomy & Ellis Anatomy Lab | | | | Bee Biology & Anatomy Lab | |
| Comparative Anatomy & Smart Bees | | | | Bee Biology & Smart Bees | |
| Winter in August & IPM | | | | Anatomy Lab & Mangum Slides | |
| | | | | Dream Honey House & Mangum Slides | |
| Dyce Lab/Bee Yards <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C (see Journal) | | | | Dyce Lab/Bee Yards <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C (see Journal) | |
| 8:30 Bee Dancing Followed by <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C | | | | 1:30 Bee Dancing Followed by <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C | |
| 10:30 Bee Dance Preceded by <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C | | | | 3:30 Bee Dance Preceded by <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C | |
| Wednesday | | | | | |
| 8:30 AM - Noon | | a | b | | |
| | | | | | |
| Tracheal Mites & Breeding to Control Varroa | | | | | |
| Tracheal Mites & Fell Anatomy Lab | | | | | |
| Tracheal Mites & Survival Hives | | | | | |
| Tax Man & Breeding to Control Varroa | | | | | |
| Dyce Lab/Bee Yards <input type="checkbox"/> B <input type="checkbox"/> C (see Journal) | | | | | |

Page 2 Subtotal (Item 2) \$ _____

(Continued on next page)

Are you attending sessions all day at Dyce Lab on either Monday or Tuesday?

Indicate here whether you'd like a box lunch at Dyce rather than returning to the cafeteria on North Campus

Monday Tuesday

Please enter # of lunches needed each day in the BOX

Short Course, Meals, Tours, & On-Campus Housing may be Unavailable to Late or Walk-in Registrants

3. Main Conference Registration - 1:30 P.M Wednesday August 7, through Friday evening August 9

Individual.....\$150.00 \$ _____
 Couple or family (at the same address).....\$200.00 \$ _____
 One Day: Circle Day Attending WED THUR FRI _____ # of Attendees X \$85 = \$ _____

Mail-in registrations not post marked by June 15 pay late fee.
 Late Registrations postmarked after **July 5** will not be accepted by mail.
LATE & WALK-IN REGISTRATIONS MAY BE LIMITED TO CONFERENCE ONLY.

Conference Total \$ _____

4. Accommodations: May not be available to late or walk-in registrants.
 Smoking is not permitted in the University Buildings. All Buildings are air-conditioned. Linens are included.

CHECK HERE IF YOU REQUIRE HANDICAPPED FACILITIES.

Place an "X" under each night you need accommodations.

| | SUN | MON | TUE | WED | THU | FRI | #of nights | X | price | = | Total | |
|---|-----|-----|-----|-----|-----|-----|------------|---|-------|---|--------------|----|
| Single | | | | | | | | X | \$50 | = | | |
| Double (first person) | | | | | | | | X | \$45 | = | | |
| Double (second person) | | | | | | | | X | \$45 | = | | |
| (1 child will be allowed to sleep in parents' room with a sleeping bag) | | | | | | | | | | | Total | \$ |

ROOMMATES: If you plan to share a room with someone not listed on this form, please provide their Name and City:
 Roommate name: _____ City/State: _____

5. Meals: Cornell University Dining Packages.
 Individual meals will **not** be available for sale at the conference.
 Children 5 & under qualify for children's prices. Only BBQ & Banquet available Thu. & Fri night.

| Meal Package | Includes... | # | | X | Per person | Total |
|--|--|---|-------|---|--------------|-------|
| Short Course (Package A) | Monday breakfast, lunch & dinner Tuesday breakfast, lunch & dinner Wednesday breakfast & lunch | | Adult | X | \$75 = | |
| | | | Child | X | \$40 = | |
| Conference (Package B) | Wednesday dinner Thursday breakfast & lunch Friday breakfast & lunch | | Adult | X | \$46 = | |
| | | | Child | X | \$25 = | |
| Conference - Lunch Only (Package C) | Wednesday lunch Thursday lunch Friday lunch | | Adult | X | \$30 = | |
| | | | Child | X | \$17 = | |
| Only BBQ & Banquet will be served Thurs. & Fri. night (see * below) | | | | | TOTAL | \$ |

MEALS MAY NOT BE AVAILABLE TO LATE OR WALK-IN REGISTRANTS.

Page 3 Subtotal (Items 3, 4 & 5) \$ _____

(Continued on next page)

Short Course, Meals, Tours, & On-Campus Housing may be Unavailable to Late or Walk-in Registrants

EAS 2002 REGISTRATION (page 4)

6. Special Events: All special events require reservations and an EAS conference registration & ID.
 Some tours include box lunch, which is included for those who have already purchased the appropriate meal plan

| DAY | EVENT | PRICE per PERSON | NUMBER ATTENDING | COST |
|-----|-------|------------------|------------------|------|
|-----|-------|------------------|------------------|------|

| | | | | | |
|---|--|-------------------|------|--------------|-----------|
| TUESDAY | Cayuga Lake Wine Tour: Wine tasting at Two Wineries – Hosmer & Lucas Vineyards & a stop at Taughannock Falls 10 AM – 5PM; Box lunch included | w/out meal plan | \$30 | | |
| | | w/ meal plan | \$24 | | |
| WEDNESDAY | Town Tour: A vineyard, brewery & hard cider | 1:00 PM – 5:00 PM | \$20 | | |
| WEDNESDAY | M.V. Manhattan Cocktail Cruise: | 5:30 PM – 8:30 PM | \$25 | | |
| *WEDNESDAY | Welcome Reception & Dessert | 7pm – 8pm | FREE | | |
| THURSDAY | Cayuga Lake Wine Tour: Wine tasting at Two Wineries – Hosmer & Lucas Vineyards & a stop at Taughannock Falls 10 AM – 5PM; Box lunch included | w/out meal plan | \$30 | | |
| | | w/ meal plan | \$24 | | |
| *THURSDAY | BBQ: _____ # Chicken or _____ # Vegetarian | | \$25 | | |
| FRIDAY | Town Tour: A vineyard, brewery & hard cider | 1:00 PM – 5:00 PM | \$20 | | |
| FRIDAY | Meadery Tour: Bill Martin Meadery & Mackenzie-Childs, LTD – 10 AM – 5PM; Box lunch included | w/out meal plan | \$32 | | |
| | Meadery Tour: Bill Martin Meadery & Mackenzie-Childs, LTD – 10 AM – 5PM; Box lunch included | w/ meal plan | \$26 | | |
| *FRIDAY | Banquet: _____ #Prime Rib OR _____ # Vegetarian | | \$36 | | |
| Tours are available on a first come/first served basis. Tours are subject to cancellation (& refund) if insufficient reservations are received. Tours may not be available to late & walk-in registrants. | | | | Total | \$ |

Registrations postmarked after June 15 pay late fee

Page 4 Subtotal (Item 6) \$ _____

Sub total from Page 1 \$ _____

Registrations postmarked after July 5 will not be accepted by mail.

Sub total from Page 2 \$ _____

Sub total from Page 3 \$ _____

Late Registration fee = 5% of total - minimum \$50

Late Registration fee \$ _____

(Donations to Honeybee Research are fully tax-deductible)

Honeybee Research Donation \$ _____

Refunds will be granted until July 5 minus a \$150 processing fee

Grand Total \$ _____

Please Make Check Payable to "EAS 2002" or please complete the credit card information below.

Master Card Name: _____

Visa Account # _____ Expiration: _____



Rick & Kathy Hough
200 Asbury Street
South Hamilton, MA 01982

Contact: Rick & Kathy Hough (Red Maple Farm),
978-468-6000 OR beesbest@attbi.com

Visit the EAS 2002 website at:
<http://www.EAS2002.cornell.edu>

Mail Check (made out to EAS 2002) with this completed form to:

EAS Registration

smarter! Presented two times on Tuesday. (Hybrid)

The Honey House of Your Dreams!

Ann Harman

Ann Harman allows you to imagine the honey house of your dreams, where the sky's the limit and the equipment is free! You'll be amazed at the useful ideas participants come up with. Be warned, designs are only free when they're on paper. (Upsizing)

TUESDAY - DYCE

Grafting Queens

Dennis van Engelsdorp

Learn grafting in the beeyard with an experienced teacher. [Upsizing]

CC Miller Queens

Bob Cole

Credited with the first commercial queen rearing operation, CC Miller perfected his non-grafting queen rearing methods over a century ago. Learn how to raise queens using his techniques. (Upsizing)

IMN Queens

Mel Disselkoe

Another non-grafting method of raising queens was developed by Mel Disselkoe. Mel will demonstrate his "International Mating Nuc" system of raising queens. (Upsizing)

Jenter-like Queens Rearing

Jim Tew

Finally, the plastic cup queen rearing systems will be presented. Queens are confined to plastic cages and "tricked" into laying eggs in plastic cups from which queens are raised. (Upsizing)

Concerns When Buying Used Equipment

Jim Doan

Growing an operation inevitably relies on acquiring "previously owned" equipment. Learn how to evaluate the condition of used equipment, what to look for and what to avoid. (Upsizing)

Box Management

Jim Doan

As operations grow, "the needs of the many outweigh the needs of the few." Management focus switches from "frames in a hive" to "hives in a yard". Witness "box management" beekeeping by one of New York's largest commercial beekeepers. (Upsizing)

IPM Treatment Thresholds

Dewey Caron

This is the hands-on follow up to IPM auditorium presentation. See the concepts in action. (Hybrid)

Comb Honey Production

Marion Ellis

Techniques for producing Comb Honey will be demonstrated, including shaking bees down into a single story to crown them into the comb supers. Swarm control will also be discussed. (Hybrid)

WEDNESDAY - AUDITORIUM

Tracheal Mites

Diana Sammataro

The life cycle of tracheal mites and the impact on honey bee populations. This session will feature live honey bee dissections via video hookup, to expose trachea and mite infestation. A follow-up anatomy lab is strongly suggested. (Hybrid)

Breeding for Varroa Control

John Harbo, Marla Spivak,

Tom Glenn, Sue Cobey

With the increasing resistance to chemical treatments, hopes are turning to bee breeding as a solution. Varroa tolerance has been documented with Suppressive Mite Reproduction (SMR) and other "specialty stock", but incorporating and maintaining that stock into one's operation is critical in achieving success. (Hybrid)

WEDNESDAY - DORMITORY

Beekeeping and the Tax Man

Alan Tremblay

As you successfully grow your operation, sooner or later the tax man is going to notice. There are benefits to being well prepared. Learn what you should do to map your business plan

Anatomy Labs

(Offered several times in the Lab on North Campus - see schedule, page 7) Whether you're "Right Sizing" or "Upsizing", anatomy labs will be of value to all Short Course participants. Intended to reinforce sessions featuring honey bee dissections, anatomy labs will also teach beekeepers how to inspect their bees and diagnose Tracheal mite infestations and nosema infections. "In-spections, festations and fections, oh my!" It is **highly recommended** that everyone schedule at least one Anatomy Lab. (Hybrid)

to your best advantage. Keeping good records is essential. Better to be well prepared than surprised! (Upsizing)

Survival Hives!

Tom Webster

Every beekeeper has heard this story. "There's a bee tree in the woods that has had bees in it since I was a kid!" Those bees might possibly have a genetic upper hand. This session will investigate that possibility. (Hybrid)

Build it Right to Last Your Career

"Do I have to glue my Frames? Do I have to paint between hive bodies?" Well, no. But you'll suffer the consequences. Build it right and it'll last your career. Learn tips, and see tools that will help you build solid, square equipment that will last. (Right Sizing)

Making Your Own Equipment

Jim Tew

Those inclined to make their own equipment can pick up woodworking tips from a self-proclaimed expert. [Hybrid]

Assessing Hygienic Potential in Beehives

Marla Spivak

A demonstration of the freeze-kill method of assessing the hygienic potential in honey bee colonies. (Upsizing)

Diagnosis of Disease, and Control

Medhat Nasr

Examine colonies with an eye towards spotting signs of *Varroa* infestation and other problems. Learn what can be done now and in the future to combat potential problems. (Upsizing)

Variety, It's the Spice of Life!

So what's with all the same equipment that's slightly different? Like frames, foundation and more. What is all this stuff? And where do they get those names? Learn what to use when and why. [Rightsizing]

"Bee Room Dancing"

(This session is offered several times at Dr. Seeley's Lab - see schedule, page 7) These sessions offer an opportunity to work with Dr. Thomas Seeley to interpret honeybee dances in observation hives and plot the location of feeding stations on topological maps. Limited to eight pupils per session. (Right Sizing)

Submissions From Our Directors . . .

The Delaware Beekeepers Association had their annual meeting March 16. Guest speakers were Dr. Wyatt mangum and Dr. Medhat Nasr. On April 20th the Association conduct the annual short course at Little Creek, DE. An Association member and EAS member has been identified to fill the Board of Directors position vacated by John Tulloch. The name will be released following the Association executive committee's confirmation.

John Tulloch

The Rhode Island Flower Show booth was a great success. Sales of honey were good, but most workers said that there were many people asking questions about local honey, and beekeeping in general. We had five people sign up for our five week bee school at the show. Bee school is a five week course consisting of two hour sessions, and there are 28 enrolled. We had an observation hive at our booth which was a great drawing card.

Bernie Bieder

MD Beekeepers Get Grant - The Plant Protection and Weed Management Section has obtained a grant of \$55,000 from the MD Department of Agriculture for the encouragement of beekeeping in Maryland. These funds originated from a "one time" grant from Congress that was awarded to Maryland for specialty crop promotion. This grant promotes the purchase of new colonies which will increase the supply of bees for the pollination of crops, home gardens and wild flora in the State.

This grant paid half of the purchase cost for up to five packages of bees or nucs per beekeeper/family that were obtained through Maryland bee dealers. In addition, the grant assisted with the distribution of educational material, provided varroa mite control medication to beekeepers at no cost, and paid for the purchase of an observation beehive.

For more information contact Bart Smith, State Apiary Inspector, MD, 50 Harry S. Truman Parkway, Annapolis, MD 21401, 410.841.5920, smithib@mda.state.md.us. Bart Smith works closely with MD State Beekeepers Association and all MD beekeepers.

Submitted by Bill Troup

This photo was taken at a Beekeepers Museum in Kiev, Ukraine. The face of this beehive is thought to ward off evil spirits. Submitted by Bob Cole.



EAS Membership, Association and Life Member Dues Payment/Address Correction Form

Names _____

Address _____

City/State or Province/Zip Code or Mailing Code _____

Phone/Fax _____

Email: _____

What local association do you belong to?

| | |
|--|----------|
| Annual Dues: \$15 per person or \$20 family | \$ _____ |
| Association Dues (State or County/Regional: \$30 | \$ _____ |
| Life Membership Dues: \$200 (one payment) | \$ _____ |
| EAS Foundation Gift (Help us support Beekeeping Research | \$ _____ |
| TOTAL | \$ _____ |

Do not send to EAS Journal Editor. Send your check to -
John Tulloch, EAS Treasurer
P.O. Box 473, Odessa, DE 19730 USA

A GLANCE AT WORKSHOPS

The Workshops are held on Thursday and Friday afternoon. This gives you an idea of what will be offered. Times and locations will be in your program you receive when you arrive on campus.

| Speaker | Subject | Title |
|-----------------------|------------------|--|
| Sue Cobey | Queen Breeding | Principles of Bee Genetics & Selection Methods (1) |
| Tom Glenn | Queen Breeding | Principles of Bee Genetics & Selection Methods (2) |
| David De Jong | Queen breeding | Breeding the Perfect Bee |
| Medhat Nasr | Queen breeding | A Lemon Queen vs A Peach Queen |
| Roberta Glatz | Alt Pollinators | Squash Bees |
| Marion Ellis | Alt Pollinators | Bumble Bees: Getting to know the relatives |
| Mike Orlove | Alt Pollinators | Carpenter Bees |
| Michael Burgett | Diseases | Acarine Parasites, Biology and control |
| John Harbo | Diseases | Mite Monitoring. |
| Mark Feldlaufer | Diseases | AFB Identification & treatment |
| Maryann Frazier | Management | Honey bee biology |
| Jim Tew | Management | Preparing for the flow |
| Diana Sammataro | Management | Floral Sources & Timing |
| Tony Jadczyk | Management | Wintering in the North |
| Rick Fell | Queens | Raising a Few Queens - From Start to Finish |
| Dennis van Englesdorp | Handling Queens | Queen cages/candy, clipping queens, etc |
| Gard Otis | Queen Mating | Drone Congregation areas |
| Cynthia Scott-Dupree | Queen Mating | Drone Congregation areas |
| Master Beekeepers | Bee Yard Demo | Examination of the Hive |
| Master Beekeepers | Bee Yard Demo | Varroa Mite Testing Methods |
| Master Beekeepers | Bee Yard Demo | Feeding Methods |
| Master Beekeepers | Bee Yard Demo | Fast Inspections - Why are you there? |
| Jon Ryan | Diseases | Sterilizing Equipment |
| John Moloney | Gadgets & Gizmos | Making Things to make it easier |
| Paul Kelly | Business | Small Beekeeping Trucks |
| Tom Webster | Queen rearing | Queen rearing/grafting |
| Lloyd Spear | Venders | Pollen Trapping |
| Alan Tremblay | Business | Beekeeping and the Tax Man |
| Ann Harman | Business | Marketing/labels |
| Steve McDaniel | Misc | Bee photography |
| Zacchary Huang | Misc | Other Products of the Hive |
| Tom Sanford | African Bees | Africanized Bees: Are they revolutionizing beekeeping? |
| Dewey Caron | Library Tour | Campus walk, Lib Collection tour |
| Marla Spivak | Bee Yard Demo | Smooth Moves - Hive Handling for Nervous Novices |

Workshops- Where the Rubber Meets the Road

We are quickly approaching this year's annual convention in Ithaca NY, and the workshops are exciting. The workshops are where we depart from pure theory, analysis, and research and get down to how to implement the results of the research or how others are doing things. We have a number of experienced beekeepers prepared to share what they have found successful in their beekeeping practice.

We have over 40 instructors who are going to show you how to take beekeeping to whatever levels you desire.

Speakers will be showing the gadgets that they have built to make their tasks easier.

Of course we will have the Master

Beekeepers in bee yards showing how to do the most basic to the most advanced hive manipulations.

We will troll for drones by trailing queen pheromone, dangling from a helium balloon, to show you how to find a drone congregation area, see how aggressive the drones are within that area, and how quickly they break off the chase as the queen lure exits the boundaries. I found this fascinating the first time I witnessed it.

We will be learning how others are dealing with diseases and other pests plaguing beekeeping today.

We will have professional beekeepers demonstrating their methods and business knowledge for those who

are developing beekeeping as side or second profession. What could be better for a man than to work outside as his own boss, surrounded by swarms of females? What could be better for a woman than to enjoy watching someone else work?

Learn how to implement and maintain your own breeding program.

I hope you enjoy these workshops as much as I am anticipating them. You will have over 10 parallel sessions to choose from. Your biggest problem will be deciding which ones to attend, as they are all so relevant and the speaker list is incredible! See you in Ithaca! Go New York!

Ray Lackey, Workshop Coordinator

More About Ithaca & Cornell & EAS 2002

EAS 2002 COMPETITIVE SHOW

It may not be the World's Fair or the Pillsbury Cook-off but the EAS competitive show can be rewarding and great fun!

There is something for everyone, from showing off your honey (bottled or comb of course), to your photography. Show everyone what great cooks beekeepers and their spouses can be. If your hobby is stitchery or dipping candles, making mead or inventing gadgets to make beekeeping easier we

have a class for you. I encourage everyone to enter something in the competitive show and make it a BIG one this year. Looking forward to seeing you and your entries at Cornell.

The information on the classes was in the last EAS Journal but if you missed it you can contact me. My e-mail address is HEricksen@adelphia.net.

Herman & Della Ericksen

Parking Challenge!

We have worked very hard with Cornell to solve our parking crisis. I believe we can fit cars comfortably, now that we have an agreement to place some vehicles on a green space next to a staff parking lot. I still beg you to share a ride with a friend. Start "Beeng Social" before arriving because parking will still be tight, especially if we have a strong attendance and every indications tell us we will. Remember Cornell tickets harshly and does not "undo these tickets". We will provide explicit parking instructions in the next issue and when you arrive. Please do fill in the vehicle information request on the registration form so we can plan for your parking convenience. However save yourself the hassle & give a little to the environment, leave your car at home & ride share.

Transportation will be provided for all events once you arrive. **No fuss, No mess, No hassle, just take the bus!**

Tours

"Ithaca Is Gorges"

"Ithaca is Gorges" or so the bumper sticker proclaims on many cars in and around town. But certainly there is more to the Ithaca area that might be explored by a willing visitor than just the beauty of the landscape. That however is the problem, there is so much of interest and so little time. We have distilled the tours down into three groups. A tour of Ithaca, a tour of the Cayuga Lake Valley and a tour around the lake. Of course we have added some visits to interesting sites along the way.

The tours for **EAS 2002** include: a Cayuga Lake Wine Tour on both Tuesday, and Thursday. The bus will stop at the top of Taughannock Falls on the trip to allow you to overlook this spectacular feature of nature, sometimes

considered the highest falls east of the Mississippi. The Finger Lakes is gathering an international reputation for its wine so save room when

you pack to allow room for a case to take home with you. Of course you can have a case shipped from the winery.

On Wednesday evening The M.V. Manhattan Cocktail Cruise will steam up Cayuga Lake, pointing out sights along the shoreline before turning to

return to port. There will be Hor's D'Oeuvres and a cash bar. Cayuga is the longest of the Finger Lakes or is that the deepest? I can never remember such trivia. I do know its the prettiest especially up past the point!

For a look at some local intrigue Wednesday, and Friday, take the trolley around town. It will take you to Six Mile Vineyard, Ithaca Beer and Bellwether Hard Sider, pointing out attractions in and around town. This retro-looking bus is a replica of a by-gone era. A ride on the trolley!

On Friday from 10:00 a.m. to 5:00 p.m., the long tour, will take you around the lake. We organized this tour to get you to an outstanding Meadery at the north end of the lake followed by a visit to MacKenzie-Childs LTD in

Aurora, NY. I call this a spectacular collection of pottery, someone with more culturing may give you a better description. At any rate along the way you will have a spectacular view of the Cayuga Lake watershed, Pass Montezeuma bird sanctuary and visit the MacKenzie-Childs bizarre but unique display gallery. Tired of bees? Escape here for the day, lunch is included.

Clint Fudge, Tour Guide



EAS BBQ Thursday Night

No conference is complete without a picnic. So come try another Cornell invention: Cornell Recipe BBQ chicken. Developed by a professor of food science, one smells this unique odor commonly, as it is apparently the sauce of choice at volunteer fireman BBQs throughout upstate NY. No, it's not red but it is tasty! The BBQ will be held under a tent and features BBQ chicken quarters (or a vegetarian pasta option), 3 side dishes, dessert and drinks. A cash bar will be available prior to supper. The annual auction to support Honeybee Research will follow. Our very own NY State, beekeeper Ed Doan has offered to act as Auctioneer.



Speaker Profiles

Dewey Caron, Ph.D., Professor of Entomology & Applied Ecology, University of DE learned beekeeping as a PhD student under Dr. Roger Morse at Cornell. He filled in for Roger as a teacher of his popular introductory beekeeping course and helped insure completion of the Dyce Honey Bee Lab when Roger went on sabbatical to the Philippines during his four years in Ithaca.

Following Ithaca, he was apiculturist at the University of MD (1970-1981) before moving to the University of Delaware as Department Chair. He remained at DE as Professor and Extension Entomologist with a three-way split of extension (apiculture and ornamental plant pests), teaching (large, popular introductory courses in entomology, and wildlife biology + 2 courses on beekeeping) and research (cucurbit pollination, bee mites, bee pests and queen replacement / swarming). He helped EAS initiate the Master Beekeeper program (in 1981), revived the short course preceding the conference (1979), was president (1986), and Chairman of the Board (1990-1998). He currently heads the EAS Foundation for Honey Bee Research, and was the organizer for the 2001 Short Courses. In addition he received the Roger Morse award for excellence in extension at the 2001 Conference held in Mass.

Susan Cobey, Staff Apiarist at OH State University, Sue runs the New World Carniolan Closed Breeding Population Program to provide breeder stock to the industry. A major focus of this is selection for mechanisms of resistance to parasitic mites and diseases. She instructs classes, presents seminars, workshops, presentations, and a consulting service on instrumental insemination, bee breeding, queen rearing and related topics to state, national and international beekeeping organizations. Her background includes commercial beekeeping in several states.

Cynthia Scott-Dupree, Associate Professor Dept. of Environmental Biology, University of Guelph, received her Master of Pest Management (1983) and her Ph.D. (1986) from the Dept. of Biological Sciences at Simon Fraser University. Cynthia's M.P.M. research dealt with the use of pheromones for

the monitoring and control of moth pests in apicultural situations. Her Ph.D. research, with Dr. Mark Winston, focused on the pollination activities of honey bees and native bee pollinators in orchard systems in the Okanagan Valley of British Columbia.

She became a faculty member at the University of Guelph in 1986 and is involved in teaching and research. Her research interests include integrated management of insect crops pests using environmentally compatible control methods, resistance management, and the impact of agro-ecosystems on non-target organisms, including beneficial insects such as honey bees, bumble bees, native bees and natural enemies of insect pests. Dr. Scott-Dupree is also interested in alternative control methods for honey bee disease and pests.

Marion Ellis received his B.S. in biology and M.S. in agricultural biology from University of TN 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 four years at the North

Central Regional Plant Introduction Station working on cage pollination of plant germplasm collections and 15 years as the NE State Apiculturist. After 21 years of applied apiculture work, he returned to school and completed a Ph.D. in entomology in 1994. Currently, he is an Associate Professor of entomology at the University of NE. His research interests are investigating novel strategies for managing varroa mites and reducing bee injury from pesticides applied to crops. He teaches classes in bee biology and beekeeping and directs an annual master beekeeping training program that draws participants from across the U.S.

Dr. Ellis is also involved in youth outreach education and directs the entomology department's "Bug Bash" program. He also has funding from the Nebraska Lottery's Education Innovation Fund to direct a science education outreach program called "Bumble Boosters" that engages high school science classes as partners to conduct research on bumble bees. You can learn

more about his programs on the World Wide Web at: <http://bumbleboosters.unl.edu> or <http://entomology.unl.edu/beekpg/beekpg.htm>

Mark F. Feldlaufer, Bee Research Laboratory, Beltsville, Maryland received his bachelor's and master's degree from Rutgers and Ph.D. from the University of California at Davis. After completing postdoctoral research at the N.Y. State Agricultural Experiment Station in Geneva, NY, he joined the ARS' Insect Physiology Laboratory in 1982. His research involved sterol metabolism in insects, and he isolated and identified a unique molting hormone from the honey bee. He was transferred to the Bee Research Laboratory in 1995 and was appointed Research Leader in October of 1998. His research has focused on the control of parasites and pathogens of honey bees



Rick Fell is a professor of Entomology at Virginia Tech where he teaches courses in apiculture, general entomology, and insect behavior. He received his graduate degrees from Cornell under Roger Morse, and has worked in the areas of natural queen production, miticide effects on bee reproduction, and pollination. Last spring he was a visiting professor at the University of the Free State in South Africa.

Maryann Frazier received a bachelor of science in agriculture education from Penn State University in 1980. In 1983, she completed a master of agriculture in entomology at Penn State, specializing in Apiculture. She has worked on beekeeping projects in several countries including Sudan, Uganda, and Panama. Currently she is a Senior Extension Associate in the Department of Entomology at Penn State. She is responsible for apiculture extension in Pennsylvania and coordinates the Entomology Department's public science education effort. In addition, Maryann teaches beginning courses in apiculture and general entomology.

SUMMARY EAS BOARD OF DIRECTOR'S MEETING

Clarion Hotel, Ithaca, New York
February 22-23, 02

Kim Flottum called the meeting to order at 8:00 p.m. on February 22, 02 and on February 23, 02 at 8:30 a.m. with 34 people present. A moment of silence was shared for all our departed friends.

EAS certified Rick Hough as the new director from MA. Pat Henderson, NJ has been appointed to fill in for Ray Markley at this meeting and Kathy Summers, OH has been appointed to fill in for Ben Slay for this board meeting.

Secretary's Report: The following change was made to the October 13, 2001 Board of Director's Minutes. On page 8, 2nd Paragraph, it should read: Becky Jones said that EAS had directed the Backyard Beekeepers to work with the State Association. A letter was received from the NJ Beekeepers' Association asking that the information on the celebration of their 100th year anniversary be placed in the EAS Journal. Anyone wishing to place an ad in the NJ newsletter may do so.

Treasurer's Report: Balances as of 12/31/01. \$34,887.00 in the unrestricted funds; \$70,012.00 in the restricted funds. All bills and statements are current. Income and expense statement for EAS 2001 were presented. Accounting for the Journal was also submitted along with all checking account entries for 2001. All records have been sent to the CPA for the 2001 tax year. Kim Flottum thanked Don for an excellent report.

Acting Treasurer Report: Don Chirnside will be retiring as our treasurer and John Tulloch will take his place. Mr. Tulloch deposited the \$1000 that was previously given to him in a regional bank in Delaware. John believes there is a better way of doing business and asked Susan McCormick, from Edward Jones Investment Firm to explain their program. With many questions answered, the board voted to accept Edward Jones as our financial institution and that the Chairman and Treasurer be fully authorized and empowered to transfer, endorse, etc. the business of EAS.

Data Base Report: Glen Thomas prepared charts comparing information from 1999 to 2001 on EAS Conference in hopes of helping future Presidents.

The charts compare registration, arrivals, meal plans, and dorm information.

President's Report: EAS 2002 Cornell University, Ithaca, NY: August 5-9th. They are working on holding at least one session of Cornell's MB course on queen rearing. There will be tours, a picnic, and a banquet. Budgets for both the short course and conference was submitted and discussed thoroughly. The board approved the budget as presented and modified to balance 400 in attendance.

Annual Show: will be held on Wednesday, August 8th with entries open until 1:30 p.m. Honey show viewing will be held on Thursday and Friday with the release of entries on Friday between 4-5 p.m.

Master Beekeepers: exam will be held on Thursday. The written and lab exams will take place at Comstock Hall with the field and oral exam at Dyce Labs. The post-exam will be held on Friday at 1 p.m. with the MB Organizational Meeting held between 2-3 p.m. also on Friday.

Short Course: Short Course will strive to balance research and scientists with session featuring beekeepers teaching beekeepers. There will be many offerings heavy with hands-on beekeeping.

Commercial Vendors: will setup under tents. Estimated number of booths available 42.

Workshops: There will be six tracks to choose from.

Historian Report: Richard Chapin said that they were planning on doing a workshop at the Library because many works would be on display.

Chairman's Report: A straw vote was taken showing that most directors wanted to schedule the Fall 2003 Board of Directors Meeting in Harrisburg, PA on Saturday only. The meeting would start at 4 p.m. and finish up around 11 p.m.

A discussion on whether to publish the membership list in the Journal took place. It was decided that only the name and town of the member would be published in the Journal and anyone not wanting this done could let us know.

It was decided that we would not join Apimonda. EAS gave The Heartland Apicultural Society (HAS) \$2000 to get established and when they matched that EAS agreed to give them another

\$2000. They have just about done that.

Web Page: Our web page is www.easternapiculture.org. Rick Hough was given authorization to sublet our domains to other organizations for \$10/month. He was also given authorization to purchase a SSL digital certificate from Thawte, Inc for charge card usage.

Director's Payments: A more equitable distribution of payments were being considered and was tabled for a later date.

By-Laws and Constitution: It is quite evident that the Constitution and By-Laws need to be reviewed, revised, updated and clarified. Revisions are planned for 2005.

Short Course: A 3-year course was proposed starting in 2003. Each course will be independent but all three being a complete course. Classes will be small with a hefty price charged.

EAS 2004: will be board run and will be held at Seven Springs, in PA. We need an organizational team and a PA PRESIDENT.

Funds transfer for Bees for Development: EAS agreed to allow Villum Kann Rasmussen Fonden (a Danish funded foundation based in Boston) permission to transfer a grant for \$20,000 for Bees for Development to EAS' account providing there was no tax ramifications. **Note:** A subsequent tax issue did arise and the effect was terminated.

Past President's Report: Flags and lights have been passed on to 2002. Jay thanked everyone for their help and encouraged other states to host a conference.

EAS '03 Bowdoin College, Brunswick, Maine: Things were progressing well. Everyone will pay an \$80/day charge regardless of whether you stay on campus or not. Fall Meeting will be held on October 25-26, 02 at the Atrium Inn in New Brunswick, ME. Telephone (207) 729-5555.

Sites: EAS 2004 (Seven Springs) and EAS 2005 (Ohio) will need a site visit. Michigan is expressing an interest in 2006. We also need to be thinking about 2007 & 2008.

Nominations: Bob Cole stated if your term was expiring it is your responsibility to find a replacement. The State/Province must write a letter nominating their representative.

States needing directors: CT; DE; IN; LA; NY; SC; WI; VT. Provinces: Newfoundland, New Brunswick, Nova Scotia, Quebec.

MA, Rick Hough replacing un-expired term of Jane Wild; ME: Matt Scott; MD: Barry Thompson; GA: P.N. Williams. Chairman's term will be up in 2003. We will need nominations at the fall meeting of 2002 for a vote in the spring of 2003.

Resolution: Jay Barthelmeus will work with Mike Griggs on the resolutions for the 2002 meeting.

Honey Bee Foundation: A \$5000 award will be offered for EAS '02.

Awards Committee: We have 2 applications for the Hambleton Award; 4 for the Graduate Student award; and 3 for the Extension/Teaching Award to date. We need nominations for the Divelbiss Award.

FFA Award: After several unsuccessful attempts to contact FFA and to the student, it was recommended that we discontinue this award. It was felt that we asked very little of the student and if they could not do the final requirements then it should be eliminated. The board voted to eliminate the FFA Scholarship Award. The MB organization will attempt to find another organization to give the award to.

Editorial Report: Deadline for the EAS Journal is April 1st. It was felt that we should continue with extra copies of the Journal. Every province and State with a current Director was asked to write an article for the Journal as to what's going on in their state.

Life Membership Award: The proposal previously offered by Dewey Caron suggested that a new Life Member award for Development projects be awarded on a competitive basis within the Foundation framework - funds to be raised by Life Member solicitation and matched (up to \$5000) with money collected over the years from the Life Member restricted funds. This will need a By-Law change and will be voted on at the Summer Meeting.

The by-law amendment will be made under our by-laws Section B, Dues, Part 4, and will read as follows: The life membership restricted fund be available to match (up to \$5000 limit) contribution made by life members to a new Life membership Development Fund established as part of the EAS

Foundation for Honey Bee Research.

Life Membership: Bill Troup reported that he would be stepping down as Chairman. There are currently 179 Life Members. New pins were ordered. The company sent the wrong ones and we were able to get a 50% discount.

Master Beekeepers: The oral exam needs to be clarified in the application information. Loretta Surprenant said she had requests for the MB Certification Program and asked that the information be revised as soon as possible. Kim asked that the exact protocol for the MB exam be submitted to the Journal.

Membership: It was felt that Marlene Thomas efforts were successful in getting members to rejoin EAS and we will continue with this effort.

Delegates: The money that the delegates pay to join EAS goes into the general fund. We will investigate the possibility of setting up a separate fund to do some sort of project so they have a reason to join.

New Business: Point of Interest: Bill Troup told the group about a \$5500 grant that Bart Smith had received and is available to other states. This grant will purchase 5 units of bees from an approved bee supplier. In addition this money allows them to send out medication and will pay for 1/2 of the cost of an observation hive.

Jay Barthelmeus talked about the Georgia Post office not delivering bees out of that facility. This decision was reviewed and overturned. The sender must make accommodation if it is pass zone 4 by sending written notice of the shipment prior to delivery.

Closing of the USDA bee lab was discussed. Since EAS is a 501-C3 we have rigorously followed a tradition of maintaining a non-political position. It was suggested that as an individual we could let our voice be heard.

Adjournment: Having no further business the meeting was adjourned at 11 a.m. A tour of Cornell University followed.

*Submitted by:
Loretta M. Surprenant,
EAS Secretary*

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.

Canada/United States 2002 Joint Apicultural Meetings - American Association of Professional Apiculturists; Apiary Inspectors of America; Canadian Association of Professional Apiculturists; Canadian Honey Council; Empire State Honey Producers' Association and the Ontario Beekeepers' Association will meet together December 2-7, at the Sheraton Fallsview Hotel & Conference Centre, Niagara Falls, Ontario. There will be a two day Research Symposium; Trade Show; Honey Competition and Business Meetings.

For reservations call 877.353.2557 and quote HONEY for special rates.

For information about the meeting contact Pat Westlake, Ontario Beekeepers' Association, Bayfield, Ontario N0M 1G0, 519.565.2622, FAX 519.656.5452; info@ontariobee.com or www.ontariobee.com

Ontario Beekeepers Association also have the following meetings coming up - Summer Meeting, July 6, Manotick/Kemptville and a Commercial Meeting, August 19, Toronto.

For information contact Pat Westlake, Ontario Beekeepers' Association, Bayfield, Ontario N0M 1G0, 519.565.2622, FAX 519.565.5452, www.ontariobee.com or info@ontariobee.com

Empire State Honey Producers Association will hold it's Summer picnic on July 27 at Dyce lab, Cornell University, Ithaca, NY.

Contact Aaron Morris - AMorris@uamail.albany.edu

Southern Adirondack Beekeepers Association will host a field day at the home of Fred and Doris Ludewig (289 Middle Line Road, Ballston Spa, NY) on June 8 at 10:00 a.m.

Please bring smokers and veils, lawn chair and a picnic lunch with a covered dish to share.

Contact Aaron Morris - AMorris@uamail.albany.edu

The Ohio State Beekeepers will host their Summer meeting, June 22 in Wooster, OH. For information contact Kim Flottum, 330.722.2021 or PeterFlottum@msn.com

EAS Journal

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