

VOLUME LXXVIII • NO. 35

SEPTEMBER 5-12, 1997

BRIEFS

RETIREES ASSOCIATION PLANS
DAY TRIP

The NYSAES Retirees Association is planning a day trip to Historic East Aurora on Monday, September 15. The itinerary includes a guided tour of the Burwardt Bicycle Museum, lunch at the Historic Roycroft Inn, and a visit to the Fisher-Price Toy Town Museum. Other optional stops are included depending on time and interest. Retirees interested in participating or needing more information should contact Bea Stoyla at 789-3114 or Ruth Sherman at 789-2416 by Wednesday, September 10.

TICKETS ON SALE FOR
CORNELL EMPLOYEE/FAMILY
DAY

Tickets are now on sale for the 1997 Cornell Employee/Family Day scheduled for Saturday, September 20.

The BIG RED football game against Princeton will kick-off at 1:00 pm in Schoellkopf Stadium and meals will be served from 2:30-5:30 pm.

PRICES

- Football game - \$3.00
- Chicken barbecue - \$2.50
- Vegetarian meal - \$2.50

Tickets are available here on the Geneva campus from Colleen VanAllen, Plant Pathology. The deadline to purchase tickets from Colleen is Thursday, September 11. Tickets can also be purchased from Ryan Snider, Ticket Manager, on the Ithaca Campus by calling 8-5-3175. If paying by check, make payable to "Cornell University".

GO BIG RED!!

GARY E. HARMAN IS ELECTED
APS FELLOW

Gary E. Harman was one of two plant pathologists from the Experiment Station to be named a Fellow of the American Phytopathological Society at the 1997 APS Annual Meeting in Rochester, NY, in early August.

The distinction was conferred in recognition of his outstanding contributions in research as relates to the science of plant pathology, to the profession, and to the Society. Election as a Fellow is a reflection of the high esteem in which a member is held by his or her colleagues.

"Dr. Harman has achieved international recognition for his research on the use of *Trichoderma* species of fungi as biological control agents," said Helene Dillard, chair of the plant pathology department. "What has truly set him apart from the others has been his leadership in the development of a marketable biocontrol product. Few biological control agents for use against pathogens have been developed beyond experimental greenhouse and laboratory use."

Harman, who holds a joint appointment in the departments of plant pathology and horticultural sciences, strongly believes that biological control should not end with research, but instead should provide useful tools for plant disease management in commercial agriculture. In 1993, he and two colleagues formed a company, TGT, Inc. (now BioWorks, Inc.) to commercialize biocontrol technologies. The company obtained a license from the Cornell Research Foundation to use patents from Harman's group that deal with genes, enzymes, and the strains of *Trichoderma*. BioWorks now holds five federal registrations and over 200 state registrations.

Harman now serves as acting CEO of the company and therefore is on a part-time appointment with Cornell University. BioWorks is conducting a national search for permanent CEO and President.

The company recently completed a new production facility in Geneva that is capable of producing over 1 million pounds of product annually, and markets its products nationally and internationally. BioWorks is becoming a leader in a new industry. Harman hopes that BioWorks will serve as a model for the commercialization of academic research.

Harman has probably made his most important findings in the area of biological control of seed and seedling diseases. Cooperating with entomologists at Geneva, he found that seed- and root-attacking flies locate subterranean food sources by the volatile substances produced by bacteria and yeasts that colonize seeds or roots. He discovered strains of *Trichoderma* and *Gliocladium*, and the bacteria *Enterobacter* for biocontrol of plant pathogens.

Harman's group has developed fermentation techniques to produce effective seed treatments used in-furrow, broadcast over the soil, or for foliar and fruit applications. In addition, he and his colleagues have discovered genes and proteins produced by *Trichoderma* that are natural products that control plant diseases. He is working to develop the proteins as a new class of control products for pathogenic and nuisance fungi. Also, the genes are being inserted into various crop plants, which result in the plants becoming resistant.

Harman received his B.S. degree in botany from Colorado State University in 1966, and a Ph.D. degree from Oregon State University in 1969. In 1970, he was appointed assistant professor at Cornell in the Department of Seed Investigation at the Geneva Experiment Station, where he now holds the rank of professor.

Harman has received the Award of Merit from the Northeastern Division of APS, and has served as chair of the Seed Pathology Committee. He joins newly elected fellow Thomas Burr, as well as formerly elected fellows, George Abawi, Herb Aldwinckle, Dennis Gonsalves, and Rosario Provvidenti from the department of plant pathology at the Geneva Station.

He lives in Geneva with his wife, Jean. He has three children, Douglas, Jeffrey, and Trieu, who live in North Carolina, California, and Rochester, respectively. Jeffrey is married to the former Janine Ansley of Geneva. Harman enjoys racquetball, fishing, gardening and traveling.



THIS WEEK'S CALENDAR

SEPTEMBER 5-12, 1997

SEMINARS

ENTOMOLOGY

Date: Tuesday, September 9
Time: 10:30 Am
Place: The Paul J. Chapman Conference Room, Room 310, Barton Lab
Speaker: Henry Facundo
 Graduate Research Assistant
 Department of Entomology, Sex, Bugs & Videotapes: The Reproductive Ecology of the Oriental Beetle

There will be a period of social interaction with the speaker at 10:00. Coffee & cookies will be available.

PLANT PATHOLOGY

Date: Tuesday, September 9
Time: 3:30 pm
Place: Room A133, Barton Lab
Speaker: Sondra Lazarowitz
 Department of Crop Science, University of Illinois Champaign, IL
Topic: Intracellular and Intercellular Trafficking in Plants: What We can Learn from Virus Movement

EVENTS • MEETINGS



Date: Friday, September 5
Time: 5:00 pm
Place: Pavilion
Event: SAGES Orientation Picnic

Graduate students, post docs, visiting scientists and their families are invited for this mixer. SAGES will provide meat for the barbeque and sodas. Dishes to pass are optional. Featured will be BINGO and live music by Onofre Bertoni (all Station folk are encouraged to strut their stuff!).

CLASSIFIEDS

WANTED: TOPS grocery tapes. The tapes are used as a fund raising activity in support of the Geneva High School Marching Band. Please send tapes to Judy Birkett, Jordan Hall.

HOUSING NEEDED: Male graduate student from Hungary looking for housing for approximately nine months. Contact Nancy Long at x288 or E-mail NPL1@Cornell.edu.

STATION PERSONNEL RECOGNITION DAY

Today, Friday, September 5, is the deadline to sign up for the Station Personnel Recognition Day to be held Friday, September 19, from 1:00-4:00 pm at the Pavilion. As previously reported, the afternoon will begin with lunch consisting of chicken, zita and meatballs, a vegetarian entree, tossed salad, potatoes, rolls, and cake to be provided by Club 86 and served by the Director, chairs, and unit leaders. Contests and zany games will follow from 2-4 pm with prizes consisting of a chance to throw whipped cream pies at the director and department chairs. The event is free and highly recommended to all Station personnel.

See your Station Club Representative listed below to sign up.

Administration/Library B&P, Security, Fleet, and Heating Plant	Charie Hibbard Ralph D'Amato
Comm Services Computer Services Entomology Field Research Unit FST	Sandy Antinelli Patty Gibbs Donna Roelofs Alan Soper Debbie Ditzell
Horticultural Sciences: Hedrick Hall Sturtevant Hall	Gemma Osborne Kathy Roe
IPM PGRU Plant Pathology	Janet Garlick Tiffany Fisk Colleen VanAllen

STATION CLUB LOOKING FOR NEW DESIGN

Don't forget about the Station Club sponsored design contest open to all Station members. The winning design, or an adaptation of it, will be reproduced on t-shirts, sweatshirts, hats, and coffee mugs to be sold to Station members and visitors. Net proceeds will go to the Station Club treasury.

A prize will be awarded the winning entry, and all entries will be judged on creativity and originality. Station members will have a chance to see all entries at the upcoming Station Personnel Recognition Day September 19.

Designs should typify the Station and its work. Words, symbols and/or abbreviations may be used. The winning design will become the property of Station Club and may be altered to facilitate production of the finished items.

Station members interested in entering the competition should submit their ideas on an 8-1/2" x 11" piece of paper and send it to Colleen VanAllen or bring it with them to the Station Personnel Recognition Day.



DISCOUNT TICKETS AVAILABLE FOR MISS SAIGON

Savings certificates are available to MISS SAIGON, which premieres at the Auditorium Center in Rochester Thursday, October 30 and runs through Sunday, November 30, 1997. With this special offer, you can save \$20 off great seats for the following selected performances:

Thursday, October 30, at 8:00 pm
 Saturday, November 1, at 2:00 pm
 Sunday, November 2, at 2:00 pm and 7:30 pm
 Wednesday, November 5, at 1:00 pm and 8:00 pm

Contact Personnel at x203 for savings certificates and act now because tickets must be purchased before September 30.