

1995 HORT SHOW WELL-ATTENDED



Growers who attended the 1995 New York State Horticultural Show in Rochester, NY, came away with more than a square yardstick from the *New York Farmer*. They also took away calendars, glossy brochures, and earfuls of sales pitches about packers, processors, pickers, sprayers, crop protectors, baggers, pruners, tractors, forklifts, and tractor trailer cabs. But, the most valuable aspect of the show to most growers was the information they took home jotted down on notepads and in their heads; educational information they had gleaned from presentations made, for the most part, by researchers from the Experiment Station.

For environmental and health reasons, and because insects and microorganisms are increasingly resistant to pesticides, the fruit industry is slowly making the transition from chemical to cultural and biological controls. Among the issues addressed by Station scientists, were new models and techniques for sampling and establishing action thresholds for pests and diseases,

further developments in the practice of establishing in-orchard and on-vineyard mite and/or wasp nurseries, combining pheromone disruption techniques with smaller, critically timed dosages of insecticides, and the use of very accurate and particular means of genetic manipulation to develop new rootstocks and varieties which are more insect- and disease-resistant as well as being productive.

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Jim Cummins talks apple rootstocks with two Hort Show visitors.

(HORT SHOW, Cont. from page 1)



Dennis Gonsalves explains the PCR technique for detecting stem pitting virus in grapevines.

“See and be seen,” was the operative motto as contacts established over the years were renewed with back-slapping enthusiasm.

“During the growing season I’m too busy to socialize,” said one apple grower who was ogling a new Farmall tractor. “During the winter is when I really have the chance to think about what I’m going to do for next year’s crop and plan ahead. By going to the shows, I get to hear the latest from researchers and other growers. The industry is so competitive, if you don’t keep up, you get left behind.”

The focus of the New York Hort Show is on fruit, particularly apples and grapes, and is one of the highlights of the winter for many growers who come to hear educational presentations about growing and processing delivered against a backdrop of shiny new steel and rubber. The show is one of the best in the East, falling in the middle of the show season, after the Michigan Horticultural Society’s convention in December, and at the same time as the Minnesota Apple Growers Assoc. in Wisconsin, Michigan. According to Hugh Price and Jim Cummins, who

follow the show season carefully and attend many of the meetings, other important fruit shows include the Ohio Fruit & Vegetable Show (Feb. 7, 8 & 9), the International Dwarf Fruit Trees Association meeting in Hershey, PA (Feb. 26-March 1), the Tri-State Horticultural meeting in Hershey (Jan. 31-Feb. 2), and the Virginia and West Virginia Horticultural Show in Virginia (Jan. 16-18).

The shows give Station plant pathologists, horticulturists, and entomologists a deadline to strive for in reporting on research. Since the fall, scientists, grad students and post docs at the Station have been busy analyzing data taken from research plots during the 1994 growing season, comparing it to data from past years, making graphs, and extrapolating conclusions. During the last month—and particularly the last week—they have been turning those results into posters and slides with the help of Communications Services.

The food supply is never secure and research never ends. Every new conclusion stimulates ideas about future research and the search for money to fund it. As Harvey Reissig said during his presentation on Wednesday: “There is both good news and bad to report.”



Bud Smith, from Plant Pathology, looks at the latest in Massey Ferguson’s tractor line.



Hugh Price explains aspects of Geneva’s apple breeding program.

Station researchers who spoke at the New York Hort Show included Wayne Wilcox, speaking on “Testing and Validation of the Maryblyt Model to Control Fireblight of Apples; Tom Burr, on “New Strategies for the Control of Blister Spot in Crispin Apples”; Alan Lakso on “Carbohydrate Supply/Demand Balances for Apple Tree Responses to European Red Mite”; Jan Nyrop, on “Improving Success of Transferring the Mite Predator *Typhlodromus pyri*”; Harvey Reissig on “Management of Oblique Banded Leafroller.”

A special program for grape growers was held January 11. Researchers from the Station reported on current projects and their proposals for work—and funding—in 1995. Speakers included Tom Burr, Dennis Gonsalves, Bruce Reisch, Bob Pool, Dave Gadoury and others on research including mechanized pruning and crop control systems, models and methods to better forecast and detect infectious diseases, and developing new varieties and testing of clones of *Vitis vinifera*.

A special program for berry growers was held January 12.

*The Department of Food Science & Technology
will hold a reception for
Dr. Karl J. Siebert, Chairman since 1990,
on the occasion of his return to 100% research.*

The reception will be in the Food Science Conference Room at 3:00 PM Friday, January 13.

EMPIRE VISION CENTERS DISCOUNT PROGRAM

The Empire Vision Centers' Discount Program is an optional program when purchasing safety glasses or cosmetic/street eyewear. It does not replace any benefit employees may have or have had in the past. Employees and family members may still utilize the services of other eye care and/or eyewear providers. A supply of Empire Vision Centers' discount cards is available in Personnel, Jordan Hall.

BOWLING PARTY SET

Start getting your five-person team together for the Eleventh Annual Station Club Bowling Party scheduled for Saturday, February 25 at the Town & Country Lanes, Geneva. This is a sure-fire fun night out for young and old alike, so mark your calendar and plan on attending. Watch for sign-up forms which will be printed in next weeks *Station News*.



INTERNATIONAL APPLE FACTS

- Global production of apples hovers around 2,109 million bushels.
- In 1950, Europe produced 70% of the world's apples; North America, 20%; and Asia, 5%. In 1990 trends are different: Asia produced 27% of the world's apples; Europe, 35%; and North America, 14%.
- In the past decade, apple exports have grown 19% from 155 million bushels to 183.9 million bushels.
- U.S. production in the past five years has risen from 237 million bushels to 255 million bushels.
- Fresh apple production has gone from 140 million cartons to 147 million cartons, up 5%.
- As a percentage of fresh production in the U.S., exports account for 22% as compared to 12.5% only five years ago.
- The value of horticulture product exports has increased 200% in the last 10 years, to a value of \$7.8 billion.
- Horticultural exports are the number one agricultural export category in the U.S.
- Total agricultural exports were valued \$42.4 billion last year; and horticulture products accounted for 15% of the total.
- Fresh fruit is the largest individual horticulture component of agricultural exports, valued at \$1.7 billion. Tree nuts is second at \$1.09 billion, followed by processed vegetables at \$1.02.
- Five year growth trends show apples are up 125%; wine is up 71%; french fries up 142% and tomato products up 206%.
- The top five growth markets for U.S. horticulture products over the past five years include Russia, Thailand, Guatemala, and the Dominican Republic.
- Apple imports into the U.S. are at 5.5 million bushels, holding steady over the last five years. Imports from Canada have significantly decreased.
- Fresh fruit consumption is up from 79.2 lbs. in 1970 to nearly 100 lbs. in 1993. Increases have come in bananas, up 54%, and grapes, up 141%.

Source: Ellen Terpstra, head of the International Apple Institute, as reported in *The Great Lakes Fruit Growers News*, Dec. 1994.

PREVENTING SEXUAL HARASSMENT WORKSHOP TO BE HELD ON GENEVA CAMPUS

There have been reported cases of sexual harassment on our campus. As you are aware, sexual harassment will not be tolerated at Cornell. Generally, the following actions constitute sexual harassment: sexual threats, insults or innuendo, inappropriate comments, sexual gestures, and unwelcome physical touching.

Station Administration, in conjunction with the Cornell Interactive Theater and the Office of Equal Opportunity, will present a workshop titled "Preventing Sexual Harassment" on January 20 to assist us in understanding what constitutes sexual harassment, what to do if sexual harassment should occur and how to prevent future cases (January 23 will be the contingency back-up date). Two sessions will be available in the Auditorium, Jordan Hall—the first from 10:00 am-Noon, the second from 1:30-3:30 pm. Employees and students are invited to sign up and attend one session or the other. The Cornell Interactive Theater will present a scene addressing sexual harassment. There will be an interaction between actors, still in character, and the audience after the scene. Beatrice Biebuyck, Gender Equity Advisor from the Office of Equal Opportunity, will discuss sexual harassment and answer questions from the audience. Please use the form below to indicate which session you will be attending and return to Personnel by January 17.

PREVENTING SEXUAL HARASSMENT Friday, January 20, 1995

NAME: _____

DEPARTMENT: _____

PHONE EXTENSION: _____

I WILL ATTEND: AM Session PM Session

THIS WEEK'S CALENDAR

JANUARY 13-20, 1995

EVENTS • MEETINGS

Monday, January 16, 12:10 pm

Sawdust Cafe

Aerobics/Fitness Class for all employees

Wednesday, January 18, 12:10 pm

Sawdust Cafe

Aerobics/Fitness Class for all employees

Friday, January 20, 10:00 am and 1:30 pm

Auditorium

Preventing Sexual Harassment Workshop

Friday, January 20, 12:10 pm

Sawdust Cafe

Aerobics/Fitness Class for all employees

GENEVA FACULTY MEETING

Tuesday, January 17, 10:30 am

Staff Room, Jordan Hall

 (Note different time) 

SEMINARS

FOOD SCIENCE & TECHNOLOGY

Date: Wednesday, January 18

Time: 10:30 am

Place: Conference Room, Food Science

Speaker: Dr. William D. Edinger

Topic: Effects of Sulfur Dioxide Additions on Inoculated and Spontaneous Riesling Fermentations

ENTOMOLOGY

Date: Thursday, January 19

Time: 3:30 pm

Place: The Paul J. Chapman Conference Room (Room 310, Barton Lab)

Speaker: Dr. Donald Rutz, Associate Professor and Wes Watson, Research Associate

Department of Entomology, Ithaca

Topic: Rural Flies in the Urban Environment: Biological Approaches to Managing Our Friend, the Filth Fly

Social interaction with the speaker at 3:00 pm.

Coffee and cookies will be provided.

CLASSIFIEDS

MOVING SALE/GIVEAWAYS: Wooden sideboards for pickup truck, stereo speakers, turntable. Call Livy at x345.

BARGAIN SKI TICKETS: Ski at Bristol for only \$11 on Sunday, Jan. 22, 5-10 pm. Rentals available for \$8, and lessons for \$5. Proceeds benefit Bristol Mt. Ski Patrol. Tickets must be bought by Jan. 18. Call Jennifer at 789-2126.

FOR RENT: Share a very nice furnished three-bedroom house with female graduate student. Available anytime from January through August. Perfect for female visiting scientist or graduate student. Five-minute walk from Station. \$290/month, everything included (all utilities, cable, trash, local phone). Call Debbie at x240 or 789-6849.

WANTED TO RENT: Furnished one or two-bedroom apartment within walking distance to Station for visiting scientists. Available March 1. Call Anfu at x340 or 789-4730.

FOR SALE: 1982 VW Rabbit. Good winter car, snow tires, AM/FM/Tape, runs well, \$500. Call Timur at x328.

A teacher affects eternity; he can never tell where his influence stops. Henry Adams