

CORNELL

## STATION NEWS

GENEVA  
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## BRIEFS

## U.S. Wine Sales Are Up

Despite an oversupply of wine in the United States and abroad, a weak economy, and intense foreign competition, 2002 wine sales in the United States still increased 6 percent from the previous year to 595 million gallons, wine industry analysts report.

California wineries increased their shipments in 2002 by 3 percent from 2001, according to wine industry consultant Jon Fredrikson, who recently published year-end figures in the Gomberg-Fredrikson Report.

Total sales numbers for Washington State were unavailable; however, according to Keith Love, communications director for Stimson Lane Vineyards and Estates, their total wine sales of \$204 million in 2002 increased a slight 2 percent from \$200 million the previous year. Industry officials believe that Stimson Lane sales are indicative of overall wine sale trends in Washington.

The U.S. wine sales number cited in the report includes shipments of wine in the United States from all producers—both domestic and foreign countries. About two out of every three bottles sold last year were from California; the state's wineries accounted for 67 percent share of the U.S. wine market. Foreign wines now hold 25 percent of U.S. wine consumption, and states other than California hold 8 percent.

The Wine Institute estimates that the retail value of all wine sold in the United States increased by nearly 7 percent from the past year to \$21.1 billion.

*(Continued on page 2)*

*Architect's rendering of "flexible technology" building.*

## PROGRESS &amp; PROSPECTS:

## Cornell Ag &amp; Food Tech Park Reports to the Community

Four designs for the first building at the Cornell Agriculture and Food Technology Park (CAFTP) were unveiled in Geneva earlier this month. On May 8, Station faculty and other individuals met to view what Einhorn Yaffee Prescott Architecture and Engineering, PC (EYP) had designed. On May 14, Jim Hunter, Marc Smith, Dan Sitler, of Saratoga Associates, Mike Manikowski of the Ontario County Industrial Development Agency, and city manager Rich Rising hosted a public information meeting at Hobart and William Smith Colleges. About 35 members of the community, including members of Geneva City Council, Town Board and area developers attended. A Q&A session followed both presentations.

"The design of the first building is important because it sets the standard for subsequent buildings," said Hunter. In keeping with the agricultural setting, all of the designs show a two-story building, with a roof that is hipped instead of flat.

The architects are designing the "flexible technology" building, as it is called, to meet a range of needs associated with food, agricultural and biotechnological research. Well-lit offices will ring a central lab space that receives light through skylights and corridor windows. A food pilot plant that would be available for commercial use is proposed for one end. In addition to completed layouts for labs, offices, and other interior rooms, EYP exhibited site designs showing the possible placement of subsequent buildings, including the proposed USDA Grape Genetics Laboratory.

"This is the first we've seen of the new 'Flex Tech' building," said Geneva City Manager Rich Rising. "It was exciting to see what the architects had done with the suggestions they received last winter."

Six months ago, EYP, a nationally recognized firm from New York City that specializes in technology facilities, came to Geneva seeking input on the park's design from Station faculty and staff, and members of the community. EYP is working closely with the project manager, The Saratoga Associates of Saratoga, NY, and construction manager and developer, Christa Development, of Victor, NY.

*(Continued on page 2)*

(BRIEFS, continued)

U.S. wine market competition heightened tremendously in 2002, said Fredrikson. Growing supplies of wine grapes enable some wineries to improve the quality of their popularly priced wines and deliver excellent values to cost-conscious consumers.

"Everyday" value-priced wines below \$7 per bottle grew by 1.5 percent and represented 70 percent of all California table wine shipments.

### Fruit And Vegetables With Dip

A pilot program that provided free fruit and vegetable snacks to schoolchildren throughout the day was a big success, according to reports from students and school administrators. The program was sponsored by the U.S. Department of Agriculture.

Carrots with dip and strawberries were the favorites. Kiwi, apples, pineapple push-ups, cucumbers, and celery were also reported to be popular. Many children enjoyed eating pears for the first time.

One school reported a 25 percent drop in the number of donuts sold in the morning and a 50 percent drop in lunchtime desserts. Schools reported better behavior, improved test scores, less absenteeism, and fewer visits to the school nurse, according to information from the United Fresh Fruit and Vegetable Association. Parents said children asked for fruits and vegetables at home.

Karen Caplan, United chair, has been lobbying Congress to provide funding to make more fresh fruits and vegetables available in child nutrition programs, such as school breakfast and lunch, in order to build a healthier school environment and teach wise food choices.

### Researchers Confirm Fruit Aids Weight Loss

Researchers at the State University of Rio de Janeiro in Brazil have confirmed what nutritionists with gold's Gym in Wenatchee, Washington, have been saying: People who eat an apple before each meal lose more weight on a low-calorie diet than people who don't eat fruit. The scientists found similar results with pears.

Their findings were published in *Nutrition*, an international journal of applied and  
(Continued on page 3)

(PROGRESS, continued)

The CAFTPC Board of Directors has laid out work plans for the next year. "Groundbreaking for the infrastructure and the flex-tech building is expected in late 2003," said Dan Sitler, of The Saratoga Associates. The flex-tech building should be ready for year-end occupancy in 2004.

Phytobials, LLC, a new company built around research conducted at the Experiment Station, has expressed its intention to be one of the first tenants of the Flex Tech building.

Co-founder Gary Harman, a horticultural scientist at the Station, will work with colleagues from Great Britain and Italy to provide biological methods to clean up contaminated sites. The firm uses ferns and trees to remove toxicants from soil or water by use of a beneficial fungus that, when applied to roots, enhances uptake of contaminants. Earlier research with the beneficial fungus by Harman led to the transfer of this technology into the private sector, and the formation of Bioworks, a Geneva company with an international market. Bioworks uses the fungus to control plant diseases and promote plant growth.

### Two Issues to be Addressed

Additional funding for park roads, sewer and water lines and flex-tech building construction is needed. To date, federal and state agencies have provided nearly \$1.8 million in financial support, largely through grants, with another \$3.3 million pending from government sources. The pending support includes an Economic Development Administration (EDA) grant of \$2.8 million for construction and infrastructure development. This reflects a strong level of commitment by the federal government to the project, but Park board members are still actively seeking some \$600,000 in matching funds necessary to change this pending EDA grant into "dollars in-hand."

A second issue involves low-level soil contamination identified by the CAFTPC during the State Environmental Quality Review (SEQR). The Park is working with the New York State Department of Environmental Conservation (DEC) to contain pesticide residues on-site or remove them. The CAFTPC is also working with Harman's new company—Phytobials, LLC—to possibly provide a biological means to clean up soil at the Park.

These materials have not been used at the Station for over 30 years. Research conducted by NYSAES scientists and others led to the development of the current generation of pest control chemicals that have been widely adopted by industry and break down quickly in the environment.

"The Park is working closely with the DEC to deal aggressively with an old problem," said Hunter. "We're not certain what the cost of soil cleanup will be. With Senator Michael Nozzolio's help, we are exploring funding possibilities through the SUNY Capital Fund and other sources earmarked for environmental clean-up."

### Major Progress Since 1995

Cutting-edge scientific research and the Station's 120-year history of service to New York State's food and agricultural industries represent the foundation and the promise for the Park, which will be situated on 74 acres south of the Experiment Station that is visible from Pre-Emption Road.

The City of Geneva, Geneva Industrial Development Agency (IDA), Ontario County IDA, New York State Electric and Gas, State Senator Michael Nozzolio, and the Experiment Station have been working since 1995 to make the park a reality. Strong support from state and local governments propelled the expansion of Geneva's Empire Development Zone to include the 74 acres set aside for the park, and to rezone the land for use in food and agricultural research. Citizen volunteers worked with city and Station officials to draft the zoning ordinance, and the Geneva Industrial Development Agency oversaw a series of regulatory reviews under the SEQRA to examine the Park's potential impact on the region's traffic, air, water, noise levels, and archaeological resources.

When completed, the Park could generate 1,000 associated jobs in the area. Several potential users of the Flex Tech building, along with the Agricultural Research Service of the U.S. Department of Agriculture, have expressed interest in locating new facilities and jobs at the Park.

L. McCandless

## Rebecca Loughner Recipient Of Villani Research Award

**R**ebecca Loughner, a first-year Ph.D graduate student in entomology, is the first recipient of the Mike Villani Graduate Student Research Award. The award, established in memory of Mike Villani who passed away this month two years ago, consists of a plaque and a stipend of \$1,000.00 which is to be used for graduate research in the department of entomology. The award, given annually to an entomology graduate student is determined by a vote of the academics (not to include faculty) and permanent technical and administrative staff.

Charlie Linn, in making the presentation, explained Mike's reasoning behind the composition of the voting body, "Mike wanted this selection to be made not only by the people who do the work, but the people who know the people who do the work."

"Although I did not have the opportunity to interact with Mike personally, the value he placed on the graduate students and staff who are ultimately responsible for the success of the research is apparent in the legacy he has left," Rebecca said in accepting the award. "I am honored to be selected as the first recipient of the Villani graduate student research award," she added. She went on to say that the staff in the Geneva entomology department has been wonderful to work with. "Their support makes the research I do possible, and I would like to take this opportunity to thank everyone."

Rebecca did her undergraduate work in Agricultural Education at the University of Illinois and has a master's degree in Natural Resources and Environmental Sciences from the same institution. She did her master's research on western flower thrips and floriculture crops. She is originally from West Virginia.

Rebecca is currently working on strawberry sap beetle. "The beetle adult and larvae damage strawberry fruit," she explained, "but have been found in other crops as well. My thesis project is to better understand strawberry sap beetle dispersal, and how crops and wooded areas near strawberry fields influence strawberry sap beetle populations."

Greg English-Loeb, Rebecca's faculty advisor, said that Mike would have approved of this project on *sap beetles*. "He was very interested in how the surrounding habitat, or the landscape, influenced the ecology of insects and their pest status. We really need this kind of information on ecology and behavior in order to develop sound pest management strategies."

Speaking about Rebecca, he pointed out that she has many qualities that will serve her well as a graduate student and future researcher. "She is organized, thinks critically, sees the big picture, and works very hard. There's hardly a time on a weekend or evening when she is not here working. I look forward to seeing how both her research and career develop."

*J. Ogrodnick*



*Charlie Linn congratulates Rebecca Loughner, first recipient of Villani Graduate Student Research Award.*

*(BRIEFS, continued)*

basic nutritional sciences.

In their studies, overweight women who ate just three small apples or pears a day lost more weight and ate fewer calories overall, boosting their weight-loss efforts. The scientists have several theories as to why eating apples and pears may promote weight loss. First, they have a lower calorie count than nonfruit foods. Second, both apples and pears are important sources of fiber, and people feel fuller and for longer after eating a high-fiber meal. Also, research shows that a high-fiber diet decreases total calorie intake, contributing to weight loss.

The phenomenon was the basis of a major joint promotion by the Washington Apple Commission and Gold's Gym this season. The U.S. Apple Association and the Pear Bureau Northwest are now promoting results of the Brazilian researchers' findings to American consumers.

While studies have suggested apples may provide a whole range of health benefits, this is the first published research to demonstrate that eating an apple before every meal can promote weight loss, said Julia Daly, who is a nutritional communications specialist with the U.S. Apple Association.

*Good Fruit Grower*



# SAVE THE DATE

## Bike & Walk Week

### June 2-6, 2003

Pump up your tires and oil your chains to prepare for the Station's fun-filled rite of spring. Lots of food, prizes, good fun and non-polluting fitness!

If you want to volunteer to help, we need people to:

- put up posters in their campus buildings
- prepare breakfast (we provide ingredients, you get creative!)

Sponsored by Station Club, Wal-Mart, Zappia Vending, Pepsi, Madia's Big M and Lake Beverage.

If you can help, please contact Jen Grant. (jag7@cornell.edu)

**CALENDAR of EVENTS**

MAY 23 - 30, 2003

**MEETINGS**

**CHAIRS' MEETING**

**Date:** Wednesday, May 28, 2003  
**Time:** 2:00 PM  
**Place:** Director's Office

**LTC**

**Date:** Wednesday, May 28, 2003  
**Time:** 8 AM-Noon  
**Place:** LTC  
**Subject:** Open Lab  
**Facilitator:** Jane Irwin

**FITNESS**

**Aerobics**

**Date:** Mon. & Fri.  
**Time:** 12:10 - 1 PM  
**Place:** Sawdust Cafe

**Taekardio**

**Date:** Mon. & Wed.  
**Time:** 12:10 - 1 PM  
**Place:** Jordan Hall Auditorium

**CLASSIFIEDS**

**FOR SALE:** Lexmark - multi function (print, scan, fax, copy). Works with PC only, not Mac. Never used (see previous sentence). Originally paid \$170, will sell for \$125. Contact Don Downing at x2273 or dld3@cornell.edu

**BEACH HOUSE** vacation getaway on beautiful, south-west shore of Canandaigua Lake, is only a 45 minute drive from Geneva. 10 minutes from Naples. Swim, sun, fish, romance, relax, loaf, wine country, Reservoir Creek and Bristol Harbour golf courses, Bristol Valley Theater, Grape Festival, etc. Situated right on the water, suitable 1-2 couples or small family. Very nice beach area. Rowboat and canoe included. A few summer openings remain in July and August. Reduced rates by week or weekend in May-June and September-October. Interested? Contact Elaine at elg2

**FOR RENT:** Studio apartment attached to my house that will be available for rent starting May 1. The apartment is within walking distance of the station (1 mile), is fully furnished with full kitchen. Garage parking available and it has its own entrance. Rent is \$360, which includes utilities. The apartment is particularly well suited for visiting scientists and postdocs. No smoking or pets. If interested, send an email to set up a visit or call at 787-2345 or 789-5240.

**FOR RENT:** Now booking for summer vacation! Cottage on west side of Seneca Lake, 14 miles south of Geneva in Dresden. \$500 per week, Sat to Sat. Very clean and neat, 2 bedroom, full kitchen, gas and charcoal grill, garbage pick-up. Full deck, boat lift and dock, great fishing. Play ground, tennis court, ice-cream stand, hiking trail, gas station and diner in or close to Dresden. Right on the Seneca and Keuka Lake Wine Trail. For more information contact Mary Lou Hessney at 2423 or mlh5

**FREE, To a Station Department Only.**

**FIRST COME, FIRST SERVED.**

For surplus: Dramm PulsFOG K-3 unit. The PulsFOG machine is an advanced means for the safe, rapid and effective application of pesticides in greenhouses. This machine is a low volume device that micronizes the carrier solution and chemical combination, producing a visible fog. Provides complete and even coverage of plant surfaces. Excellent condition. Works great. FREE. For more information contact Paul at x2425 or pwk5

**HELP WANTED**

Billsboro Winery needs a part time worker to staff the winery tasting room. Weekdays, 25 to 30 hours per week. \$8 an hour + commission.

Also interested in people willing to fill in as substitute, occasional weekend work and staff events.

Call 789-9571 or reply to rmp2@cornell.edu



**Spring is in the air...**

It's time to start thinking of everything that Summer has to offer ... and what better place to start than Seabreeze Amusement Park.

This season Seabreeze is introducing a new family-oriented ride, a kid-sized drop tower that's guaranteed to please!! Mom & Dad can ride along with the kids. The kids will love to see that "look of fear" on their parent's faces as they take the great big plunge.

There are more than 75 great attractions at Seabreeze. You'll find thrilling adult rides and classic family rides - plus some cool kiddie rides too! Of course there is the waterpark full of fun for everyone. Plus, check out great games to play, favorite summertime foods to eat and live shows to watch and enjoy.

Parking is free. Tickets are \$14.95. A savings of \$3.00. Kid passes are \$13.95 for kids under 48" in height. Kids' 2 and under are free. These passes are valid weekends May 24 - June 22, 2003 and 7 days a week from June 24 through Labor Day (holidays included).

Please see Nancy Long for tickets. She can be found in the front office of the Food Research Lab, room 150. Her office hours are 8:30 - 1:30.

**Enjoy!**

**SAVE THE DATE**  
**July 11, 2003**  
**16th Annual**  
**Station Club**  
**Golf**  
**Tournament**

*It's impossible to enjoy idling thoroughly unless one has plenty of work to do.*

*J. K. Jerome*

