



STATION NEWS

New York State Agricultural Experiment Station, Geneva, New York

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JAN 18 - FEB 2, 2008

BRIEFS

New Greenhouse and Grounds Manager Begins Work



D. Cain

Buildings and Properties is very pleased to welcome David Cain as the new Greenhouse and Grounds Manager for the Station. He began work on January 2.

"David brings a lot of experience and a new perspective to the group. We believe we have found a good match for the needs identified by Station faculty, staff, students, and others," said John VanderWeide, B&P Director of Facilities."

David will be providing daily hands-on operational management of approximately 66,000 square feet of greenhouse space serving four research departments, and 45 acres of landscaped grounds. He will work closely with faculty and staff to coordinate plant care for research and extension projects, and interact frequently with greenhouse users to determine project needs and communicate greenhouse policies and procedures.

David will also provide assistance and advice to faculty, staff, graduate students, and others regarding plant maintenance pro-

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Dr. Frank's Winery Donates Historic Book Collection to Cornell

Several Cornell libraries, the Frank A. Lee Library in particular, are richer today. There is no dollar amount attached to this newfound wealth. This is instead the kind of gift that is quantified by volume—in this case, volumes. The Konstantin Frank family has donated a collection of books, 132 titles in all, to Cornell libraries (96 for Lee Library and 36 for various libraries on the Ithaca campus).

"We are thrilled about, and very grateful for, this generous gift to the Library and pleased with how it complements our enology and viticulture collection," said Marty Schlabach, Lee Library director. "We look forward to an ongoing relationship with Dr. Frank's Winery and the Frank family."

The collection is comprised of 19th and 20th century titles on a wide variety of topics including horticulture, plant science, viticulture, enology, chemistry, nature, history and literature with the largest single subject category being wine and grape related material. When Dr. Frank emigrated from Europe to the United States in 1951, he sacrificed all other luggage to bring along his precious collection of books.

Of particular interest are a number of wine appreciation titles signed by the authors to Dr. Frank. Also of special note are French and Russian ampelographies (ampelography is the identification and classification of grape vines) and a multi-volume history of horticulture in Russia. Researchers will no doubt be intrigued with the numerous handwritten notes that illustrate Dr. Frank's views on grape varieties and various vineyard practices.

The largest portion of the donation, the grape growing and winemaking titles, will contribute greatly to the Lee Library's already impressive holdings in those areas. The Lee Library's viticulture and enology collection, reputed to be the finest east of the Rocky Mountains, consists of over 2,700 books and more than 40 current subscriptions to periodicals from around the world. Together with the larger Cornell Library system, these holdings in enology and viticulture exceed 7,000 titles.

This all began in May 2007 when Mike Fordon, along with Katherine Reagan and Evan Earle from Cornell Library's Rare and Manuscript Collection, met with Kitty Oliver and Fred Frank at Dr. Frank's Vinifera Wine Cellars in Hammondsport to discuss the possibility of a large book donation and conduct a survey of their winery records for the Eastern Wine and Grape Archive. The books, belonging to Dr. Frank and his son Willibald, were stored in old cardboard boxes. Many of the books were old and in need of repair.

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Marty Schlabach and Mike Fordon look through some of the donated books.



(BRIEFS, continued)

cedures, to including watering, fertilizing, and integrated pest management programs. He will provide daily supervision to four regular, full-time greenhouse and grounds workers and temporary employees, interface with vendors, and place orders for supplies, plants, materials, and equipment.

In addition, David will work closely with other members of the Buildings and Properties Unit to oversee monitoring and computer control of greenhouse environment including heating, cooling, ventilation, and lighting; oversee landscape maintenance for the entire campus, develop seasonal maintenance schedules for lawn and garden areas; and work closely with the Geneva Arboretum Association to develop new plantings and landscape design.

Lastly, David is responsible for ensuring compliance with Federal, State and local regulations, and CALS and University policies regarding pesticide application, storage, transport, report filing, and record keeping, and will oversee the implementation of CALS Greenhouse Best Management Practices.

David graduated Magna Cum Laude from CUNY Lehman College in the Bronx with a B.S. in Individualized Studies with a concentration in Plant Science. He is a member of several professional societies, and has over 30 years experience in landscape design, horticulture, facilities management, and related fields.

David resides in Geneva with his son Joel who is a junior in high school.

"I want to thank everyone who contributed to the process of redefining the position and especially the search committee: Thomas Bjorkman (Chair), Tony Shelton, Martin Goffinet, Holly Lange, and Pat Mahoney," VanderWeide said.

David can be reached at x2293 or dgc65

Searching the New Interface for Biology Databases

On February 14, 2008 from 10:30am - 12 pm there will be workshops offered on searching the new ISI interface in BIOSIS, CAB Abstracts, Food Science & Technology Abstracts and Zoological Record.

Since January 1, 2008, BIOSIS, CAB Abstracts, Food Science & Technology Abstracts

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(LIBRARY, continued)

"Once I had the collection back here at the library I sorted them according to titles we already had copies of and ones we didn't," Fordon said. "The titles we don't need will be donated to another library. Earlier this month Kitty Oliver approved the list of what we wanted. We'll begin cataloging them later this spring."

Fordon pointed out that while the collection contains many interesting and rare titles, perhaps its most significant aspect is what it tells us about Frank. "He was quite fond of underlining certain passages in his books—mostly ones that pointed out that hybrid grape varieties were forbidden in Europe," he said. "He also seems to have used just about anything as a bookmark—money, letters, postcards, photos, hunting licenses and so on (one particularly interesting item is Frank's German fishing license from 1949). While processing the books I removed a large quantity of ephemera, which will be used in a display later this month. It was exciting to find all this stuff while working with the collection."

Located on Keuka Lake a few miles north of Hammondsport, Dr. Frank's has long been associated with the New York wine revolution. Its founder, Dr. Konstantin Frank, helped pioneer the introduction of the European *vitis vinifera* grapevines in the eastern United States. For his contributions in the American wine industry, he was inducted into the Wine Spectator's "Hall of Fame."

J. Ogradnick



The Monroe County Fair and Expo Center (Dome Center), Henrietta, NY
March 13 - 15, 9 AM - 9 PM
March 16, 9 AM - 5 PM

This year's theme "*It's a Garden Life*" features more than 20 beautifully landscaped gardens emphasizing ways people can enjoy living in their outdoor gardens and spaces as an extension of their homes. There will be more than 80 vendors, daily seminars by top gardening experts, and a number of special events.

Seminar Speakers include:

Terry Ettinger, host of several radio and television shows on gardening and landscaping in Western and Central New York

Jo Ann Gardner, well-known author of gardening books and articles

Bruce Zaretsky, author, lecturer and award-winning landscaper

Charlie Nardozi, nationally recognized garden writer and radio-tv personality

Advance sale tickets are \$10 or \$12 at the door. Children 15 and under are FREE with parents. Tickets are available from Amy Andersen, Room A104, Department of Plant Pathology and Plant-Microbe Biology, Barton Lab. (ada10 or x2331) Please have exact amount for your tickets or make your check payable to "Station Club". Advance sale tickets are only available through March 11, 2005.

For more information, go to
www.rochesterflowershow.com



(BRIEFS, continued)

Cornell and University of Rochester Collaborate in Research to Fight Tooth Decay

A class of chemicals in red wine grapes may significantly reduce the ability of bacteria to cause cavities, according to a study published recently in the *Journal of Agricultural and Food Chemistry*. The findings are the result of collaboration between the Experiment Station's Food Science and Technology Department and the University of Rochester Medical Center.



Two of the steps in the process are pictured above: (left) fermented grape must, (right) concentrated liquid grape phenolic extract.

The study suggests that specific polyphenols, present in large amounts in fermented seeds and skins cast away after grapes are pressed, interfere with the ability of bacteria to contribute to tooth decay. The action of the wine grape-based chemicals may also hold clues for new ways to lessen the ability of bacteria to cause life-threatening, systemic infections.

"Overall, the phenolic extracts disrupt essential virulence traits for a widespread, destructive oral pathogen, but without killing it," said Olga Padilla-Zakour, associate professor of Food Processing at the Experiment Station. "We are excited about the potential application of active compounds from wine grape by-products in the control of biofilms as part of the precise targeting of bacterial disease."

The two institutions, both with easy access to Finger Lakes wineries, have been looking at how compounds found in wine grapes impact human oral health. Together, they won a U.S. Department of Agriculture (USDA) grant in December 2005 to study the influence of grape polyphenols on oral bacteria, and this publication is an early result.

Along with the potential value for medicine, the discovery that the waste products of winemaking may be useful in drug making has economic implications. Grapes are one of the world's largest fruit crops; more than 80 percent of grapes are used to make wine. Fermented winemaking waste, called pomace, contains at least as many polyphenols as whole fruit, eliminating the need to use up perfectly good food to make any future drugs. Accordingly, the USDA is especially interested in the idea of bioprospecting in the winery versus the rainforest.

The goal of the current study was to examine the make-up of polyphenols in red wine grape varieties and their ability to interfere with *Streptococcus mutans* (*S. mutans*), the bacteria that produces the substances most responsible for tooth decay: acid and the building blocks (glucans) of a dental biofilm called plaque.

Researchers prepared polyphenolic extracts from harvest season 2005 red wine grape varieties and pomace from wineries in the Finger Lakes region of New York State. These included Pinot Noir from Hosmer Winery in Ovid, N.Y., Cabernet Franc from Cornell Orchards in Lansing, N.Y., Baco Noir from Pleasant Valley Winery in Hammondsport, N.Y. and Noiret™ from Swedish Hill Winery in Romulus, N.Y. Varieties were pre-screened for their phenolic content, and grape pomace was chosen in general for its ready supply as an inexpensive source material. Red grapes have been shown to contain 40 percent more phenols content than white.

"Most foods contain compounds that are both good and bad for dental health, so the message is not 'drink more wine to fight bacteria,'" said Hyun Koo, DDS, Ph.D., assistant professor of Dentistry within the Eastman Department of Dentistry and Center for Oral Biology at the Medical Center. "We hope to isolate the key compounds within the winemaking waste that render bad bacteria harmless."

and Zoological Record databases are available only via the ISI Web of Knowledge interface, the WebSPIRS/Ovid versions of these databases are no longer accessible. There are no changes to the content and years of coverage, but there are many new features. The ISI Web of Knowledge interface is already familiar to many who use Web of Science databases such as Science Citation Index. This workshop will review the searching, analyzing and other features of the ISI interface.

Bring your questions about the new system. This workshop will be held in the LTC on the ground floor of Jordan Hall next to the elevator. Both Macs and PCs will be available.

If you are planning on attending this workshop please notify the library at x2214.

Check out what else will be coming up at http://www.nysaes.cornell.edu/library/comp_inst.php also keep checking this web page because we will be adding several things to the list soon.

Let us know if you have a specific need in software instruction.

J. Irwin

Steve Issacs Updates IDA

Steve Issacs, Executive Director of the Cornell Agriculture and Food Technology Park, (the Technology Farm) provided an update on the Technology Farm to the Industrial Development Agency Board at its meeting on Tuesday, January 15. Issacs told the Board that things were going very well and that the Technology farm currently has an 80% occupancy rate. "There's room to expand and we are awaiting release of a federal grant to build the USDA grape genetics facility," Issacs said. The City contributes \$10,000 a year to the Technology Farm.

New Station Mailing Address

The Station no longer has a P.O. Box. Please eliminate the use of Box 462 and zip code extension 0462 on all correspondence, and inform outside correspondents of the change. The U.S.P.S. is delivering mail to the Station.

Official Street Address:

630 West North Street
Geneva, NY 14456-1371

There will no longer be a bi-weekly Ithaca run to pick-up computer orders. You will now be responsible to pick-up your own

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CALENDAR of EVENTS
JAN 18 - FEB 2, 2008

MEETINGS

Chairs' Meeting on January 29, 2008 @ 8:30 AM is CANCELLED

CALS FACULTY & SENATE MEETING

Date: Wednesday, February 6, 2008
Time: 4 PM
Place: A134 Barton Lab
Audio/Visual Linkage

SEMINARS

PLANT PATHOLOGY

Date: Tuesday, January 22, 2008
Time: 3:30 PM
Place: A134 Barton Lab
Title: Postharvest Pathology of Apples: An Intriguing Story of Empire and Things That Happen Behind Closed Doors
Speaker: Dave Rosenberger, Hudson Valley Laboratory

Date: Tuesday, January 29, 2008
Time: 3:30 PM
Place: A134 Barton Lab
Title: Genetic Grouping and Pathogenicity of Rhizoctonia and its Look-alikes
Speaker: Mana Ohkura, Geneva

LTC

Date: Thursday, February 14, 2008
Time: 10:30 AM - Noon
Place: LTC
Title: Using the ISI Web of Knowledge Interface
Instructor: Marty Schlabach

STATION SAFETY COMMITTEE SAFETY TIPS

The Emergency Response Guide

Is there a copy of the NYSAES Emergency Response Guide near each of your Station phones? If not, call Pat Madalena at x2466. If so, is the last page of your ERG filled out? Please review the Guide to help you respond to emergencies that may occur at the Experiment Station. Thank you for helping to maintain a safe work environment at the Station.

CLASSIFIEDS

FOR SALE: 10" Craftsman radial arm saw \$150, 14" Jet Bandsaw \$400, Grizzly Belt and Disc floorstanding sander \$100, Delta 12" planer \$200. All are in good shape. Holly at 2420, hlw7

FOR SALE: 1996 Toyota Corolla, 4-door, 4-cylinder, Auto, 124,000 mi., AC, radio/tape player, recent inspection, tires, brakes, struts, alignment. Serviced by Wheeler Automotive for most of its life. It has some minor cosmetic issues but runs well and gets exceptionally good gas mileage. \$3,000. If interested, email or call Doug at x2363 or (cell) (315) 521-3669. Photos available upon request.

FOR SALE: 91 Toyota 4WD X-Cab, 5spd, 120K, AC, Tonneau Cover. Runs great but some rust. \$1800. Email lar38 or call 585-526-6620

HOUSE FOR RENT. Four bedroom, two bath, fenced-in back yard. South West Street. Available February 1. Contact: Kathy DeRosa, kad2, or 789-7482.

FOR SALE: Technics Digital Piano. Perfect for student or hobbyist musician. Size of a Spinnet Piano, with roll top keyboard cover. Nice furniture and a very nice piano with true piano sounds including Grand, Rock, Honky Tonk, and electric. Other sounds include vibes, harp and more. Very nice key action and touch. Includes on-board metronome and one-touch scale octave changing. Has earphone plugs for quiet playing and monitoring, 3 pedals to sustain staccato, and includes a mini-sequencer and MIDI in, out and thru. Very nice instrument in excellent condition. \$1000 firm. (Exact same instrument has been for sale in Finger Lakes Times for \$1600). Call Ed Lavin at x2241 or email EHL2@cornell.edu

(BRIEFS, continued)

computer or make arrangements with one of the many people that travel to Ithaca to pick-up your order.

Buildings and properties has assumed responsibility for mail delivery and processing at the station. Other than the above changes, the service will remain the same. If you have questions or concerns please call the B&P Office at x3201 or Al Fairbrother at x2304.

J. VanderWeide

**Come Join Us . . .
Feb. 12-14, 2008
Empire State Fruit &
Vegetable Expo
Syracuse, N.Y.**

**For more information, contact:
Jeff and Lindy Kubecka at
315-687-5734 or email
nysvga@twcny.rr.com**

TAEKARDIO AND BOKKENKICK

Day: Monday and Wednesday
Time: 12 - 1 PM
Place: Jordan Hall Auditorium
Cost: \$25 for 6 weeks

Beginning with the New Year, Tina Felice of Geneva Martial Arts will introduce a new exercise called "BokkenKick". BokkenKick is a low impact cardio workout using wooden "bokken" sword techniques and Taekwondo kicks set to music. Tina will alternate between BokkenKick and TaeKardio classes

For more information, contact Tina Felice at email: mastertina@genevamartialarts.com
**New participants receive two free classes.
Please bring water, floor mat, towel and wear comfy clothes.*

Article/Classified Ad Submission Update

Because of the recent changes to the NYSAES email list you need to subscribe to the new list at nysaes-stationnews-L in order to submit articles and/or classified ads that meet the Station News Guidelines. To do this contact Patty Gibbs in the Computer Center at X2289 or peg1@nysaes.cornell.edu

Guidelines for Classified Ads

Ads are free to members of the Station community, ads are printed as space permits.

Remember to:

Include name, campus phone number and email address.

Limit ad to 20 words or less.

To run your ad more than once, you must resubmit it.

Station News is not responsible for errors or unprinted ads, and retains the right to edit or reject any submissions.

Ads selling goods or commercial services on an ongoing basis or promoting employment outside Cornell cannot be accepted. Those ads that do not meet the Station News guidelines may be sent to the new classified list serv at: nysaes-classifieds@cornell.edu

To receive these clasifieds you must subscribe to the list serv by contacting Patty Gibbs at x2289 or peg1@cornell.edu