

VOLUME LXXXIII • NO. 4
JANUARY 25 - FEBRUARY 1, 2002

BRIEFS

Cornell Gardening Day

The Department of Horticulture of the College of Agriculture and Life Sciences announces Cornell Gardening Day on Saturday, March 23, 2002. This event is open to the public and will be held at the DeWitt Middle



School on Warren Rd. in Ithaca, just south of Rte. 13 and the airport, from 8:00 am to 3:45 pm. Collaborating with the Horticulture Department is Cornell Cooperative Extension of Tompkins County and Cornell Plantations

The day-long program will include choices of more than 30 lectures and workshops, including one keynote talk, a resource fair and free soil pH testing. Classes will be taught by faculty at Cornell in the Departments of Horticulture, Entomology, Plant Pathology, Natural Resources as well as staff from Cornell Plantations and Extension Educators, volunteers, staff and Master Gardeners from Cornell Cooperative Extension of Tompkins County.

Topics will include landscaping with perennials, shrubs, bulbs; growing fruits and vegetables; garden photography, water gardening, fertilizers, wildlife damage control, mulches, composting, soils and soil creatures, propagation, pest management and much more.

Keynote speaker, Dr. Frank Rossi, Turfgrass Extension Specialist in the Department of Horticulture at Cornell, will speak on "Ecological Lawn Care" at midday. For those who are interested in more topics than they can attend, the speakers will

(Continued on page 2)

Cornell and Seoul Researchers Report New Anti-cancer Mechanism of Vitamin C

A team of scientists from the Agricultural Experiment Station, and from Seoul National University, South Korea, report a new mechanism by which vitamin C fights cancer. Their findings appear in the January 12 issue of *Lancet*, the international journal for physicians published in London.

C.Y. Lee, professor of food science and technology, and his South Korean colleagues, Ki Won Lee, Hyong Joo Lee and Kyung-Sun Kang, found that vitamin C blocks the carcinogenic effects of hydrogen peroxide on intercellular communication. Until this finding, the mechanism for vitamin C's inhibitory effects on carcinogenic tumor promotion was not understood.

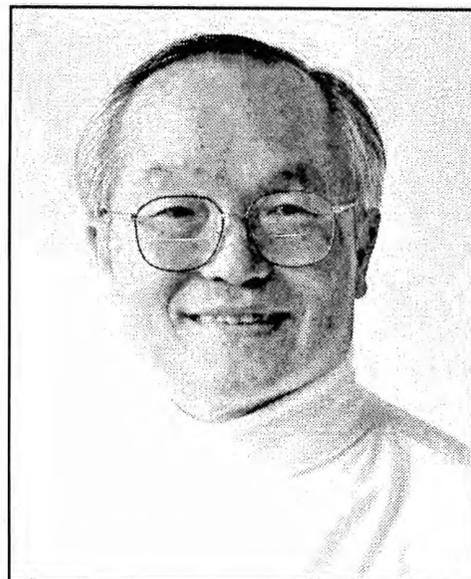
"Vitamin C has been considered one of the most important essential nutrients in our diet since the discovery in 1907 that it prevents scurvy," says Lee. "In addition, vitamin C has several important functions in our body for the synthesis of amino acids and collagen, wound healing, metabolism of iron, lipids and cholesterol and others. In particular, vitamin C is a well known anti-oxidant that scavenges free radicals." (An anti-oxidant is one of many chemicals that reduce or prevent oxidation, thus preventing cell and tissue damage from free radicals in the body.)

"Vitamin C prevents the inhibition of gap-junction intercellular communication (GJIC) induced by hydrogen peroxide," says Lee. GJIC is essential for maintaining normal cell growth. Inhibition of GJIC is strongly related to the carcinogenic process, especially to tumor promotion. Hydrogen peroxide, a tumor promoter, inhibits GJIC by changing a special protein, connexin43. When rat liver epithelial cells were treated with vitamin C, the researchers report, inhibition of GJIC induced by hydrogen peroxide was prevented.

Since other free-radical scavengers, such as propylgallate and Trolox did not prevent inhibition of GJIC by hydrogen peroxide, as reported previously, Lee and his coworkers believed that vitamin C's antitumor activity operated through a mechanism other than by scavenging free radicals.

The report adds that quercetin, a phytochemical found in apples, has even stronger anticancer activity than vitamin C. (Phytochemicals, such as flavanoids and polyphenols, are plant chemicals that contain protective, disease-preventing compounds.)

"The most powerful weapon we have in the fight against cancer is prevention," concludes Lee. "A diet rich in phytochemicals and vitamin C will reduce the risk of cancer. These phytochemicals and nutrients are most readily available in fresh fruits and vegetables." These recommendations echo those of Lee and his Cornell colleagues in a report



C. Y. Lee

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(BRIEFS, continued)

provide summary mini-talks at the end of the day to capture key points from each lecture and workshop.

To obtain a complete listing of the topics, call Maxine Welcome at 255-5439 or email her at "mw45@cornell.edu"

Registration is \$50 per person prior to March 8th and \$65 after that. Registration is required by March 15 to guarantee lunch. Registration includes lunch, four talks, a summary session, soil pH testing, ask the experts table, resource fair, and a certificate of completion. Also, ask about workshops for participants being conducted by the Ithaca Children's Garden for a limited number of participants between the ages of 7-12. For further information, visit www.hort.cornell.edu/323

M. Welcome

Finger Lakes Grape Growers Convention & Trade Show, Feb. 22-23

The 53rd Annual Finger Lakes Grape Grower' Convention and Trade Show will be held at the Waterloo Holiday Inn in Waterloo, NY, on Feb. 22-23. This year's program will feature a one-day workshop, "Re-tooling Your Vineyard for the 21st Century," focusing on changing varietal mix or growing for different markets, on Fri. Feb. 22.

The Convention and Trade Show on Feb. 23 will have talks on insect and disease management, sprayer technology and nutrition. Alice Wise, Grape specialist for Suffolk County, will present an overview of the Long Island industry. The trade show has 42 exhibitors signed up.

For further information, or to register, contact Timothy E. Martinson, Area Extension Educator, Finger Lakes Grape Program, CCE, 110 Court St., Penn Yan, NY 14527; phone 315-536-5134, or email tem2@cornell.edu

New York Wine Industry Workshop, April 3-5

The 31st Annual New York Wine Industry Workshop and the annual meeting of the New York Wine & Grape Foundation will be held at the Ramada Inn in Geneva, NY on April 3-5. On Wednesday, April 3, the Foundation will hold its annual meeting with
(Continued on page 3)

Cornell Hires Fruit IPM Coordinator

Cornell University recently appointed plant pathologist Juliet Carroll as the fruit IPM coordinator for the NYS Integrated Pest Management Program. She will begin March 1, 2002, and says her first priority is "to get in touch with fruit growers, consultants, and scouts. It's a big task to make sure I know the challenges they face—and meet those. I really want to build team spirit."

Carroll holds a Ph.D. in plant pathology from Cornell University and a M.S. in plant pathology from the University of Massachusetts. She worked for seven years as a diagnostician for the Insect and Plant Disease Diagnostic Laboratory at Cornell, where she offered recommendations daily that affected growers. She is particularly excited about working with world-class Cornell faculty and extension educators.

Currently a post doctoral associate at Cornell, Carroll helps vegetable pathologist George Abawi determine IPM practices for carrots. She has worked with fruit pathologist Wayne Wilcox on powdery mildew of grapes, focusing on the environmental factors promoting fruit cluster infection, the effect of relative humidity on the development of disease, and the physical modes of action of reduced-risk fungicides.

Mike Hoffmann, director of the NYS IPM Program, said of Carroll, "I'm very glad to have her on board, and so is the fruit industry in New York State." She and her family live in Romulus and her office will be at the IPM headquarters in Geneva, New York.

The New York State IPM Program helps develop and deliver cost-effective ways to manage pests that pose minimal risks to human health and the environment.

For more information: <http://www.nysipm.cornell.edu>



Juliet Carroll

C. Koplinka-Loehr

Red Cross Blood Drive

Monday, February 4, 2002
9 AM to 3 PM
Jordan Hall

Please contact Donna Roelofs at X2325 or drr2 to make your appointment



Bowled Over Again

The Station's annual bowling (and pizza eating) bash was held Saturday January, 19th at the Sunset Bowl in Geneva. The event, which was organized and hosted by the dapper Matt Lewis, was attended by 86 Station employees and family members. The defending champions, 'The Exterminators' of John Pollino (471), Josie Pollino (459), Bob Kime (534), Ed Broderick (523) and Patty Gibbs (409) successfully defended their title with a combined score of 2396. Matt's Misfits, comprised of Matt Wavrick (536), Pat Berry (530), Jim Ballerstein (442), Jarod Ballerstein (295) and Jeff Morabito (168) finished a respectable second with a 2307.

The highest scratch game for males was a tie between Bob Drury and Ken Bell each with 223. The highest scratch game for females was Josie Polino at 202, with Charie Hibbard a very close 2nd with a 201. Interestingly enough, Charie, who also had a 200, was listed in the computer as *Charlie*, so she was credited with having the 3rd highest male series with a 545.

J. Zakour



(left to right) Charie Hibbard, Ken Bell, Patty Gibbs, Ed Broderick, John Pollino, Matt Lewis, Jose Pollino and Bob Kime—the happy and successful 2002 Station Bowlers, with their trophies.



Cornell's
Vinification and Brewing
Technology Laboratory
5th Annual Gala Dinner and
Premiere Wine Country Auction

Friday, March 8, 2002 Casa Larga Vineyards, Fairport, NY

• TABLE OPTIONAL •

Reception at 6 PM, featuring sparkling wines and specialty beers.

A gourmet dinner will be served at 7 PM.

\$100 per person (\$50 tax deductible contribution)

A block of rooms has been reserved at the Lodge at Woodcliff
(800) 365-3065 OR www.woodcliffodge.com

A bus will be available to take you to and from Woodcliff to Casa Larga

Contact Nancy Long (315)787-2248 OR NPL1@cornell.edu
www.nysaes.cornell.edu/fst/vb

(LEE, continued)

in the journal *Nature* (June 22, 2000).

In the *Lancet* article, the researchers suggest that "inhibiting tumor promotion" (a reversible and long-term process) may be a more practical strategy in preventing cancer than "preventing tumor initiation" (an irreversible and short-term process).

Lancet, which is published weekly from editorial offices in London and New York, meets the needs of physicians by adding to their clinical knowledge and alerting them to current issues affecting the practice of medicine world-wide. The journal is available on-line at www.lancet.com

L.McCandless

(BRIEFS, continued)

a focus on Riesling. The Unity Banquet will be held that evening.

Three topics have been chosen for this year's New York Wine Industry Workshop. The first will be a mini-symposium on the vinification, viticulture and marketing of Riesling with speakers from as far away as Germany, Alsace, and the state of Washington. A second major topic will be on the Atypical Aging of Wines (ATA). There will also be a wine sensory workshop.

To register, contact Nancy Long at X2288 or email her at npl1@cornell.edu

For information about the New York Wine & Grape Foundation's annual meeting and Unity Banquet, phone Kathleen Potts at 315-536-7442.

Program information is available on the Foundation's website at www.newyorkwines.org

The great tragedy
of Science—
the slaying of a
beautiful hypothesis
by an ugly fact.

Thomas Henry Huxley
1825-1805

CALENDAR of EVENTS

JANUARY 25 - FEBRUARY 1, 2002

SEMINARS

ENTOMOLOGY

Date: Thursday, February 7, 2002
Time: 10:30-11:30 AM, Coffee at 10 AM
Place: Room 320, Barton Laboratory
Title: "Reproductive success of bagworms (Lepidoptera: *Psychidae*)."
Speaker: Dr. Marc Rhainds, Geneva

REMINDERS

The AD-421 Progress/Termination Reports for 2001 are due February 8, 2002. If you have questions regarding whether your project needs a report, please contact your department's administrative manager.

Remember....

it pays to advertise. Send classified ad information to Donna Boyce no later than 9 AM Wednesday. dmb62@cornell.edu

FITNESS

Aerobics

Date: Monday and Friday
Time: 12:10 - 1 PM
Place: Sawdust Cafe

Taekardio

Date: Monday and Friday, January 28, 30, 2002
Time: 12:10 - 1 PM
Place: Jordan hall Auditorium

CLASSIFIED

DANCE THE NIGHT AWAY! Dinner Dance at Club 86. Here's a great chance to learn how to swing dance without having to drive to Rochester. Includes Club 86 buffet dinner, free swing dance lesson for beginners, a dance contest with prizes, 2 dance floors and fun for all ages. No prior dance experience necessary. Come see what you're missing! Friday, February 8. Social hour, 6:30-7:30; dinner, 7:30-9:00; dancing, 9:00-11:00. Adults: \$25 (dinner & dancing), \$10 (dancing only - after 9:00pm). Teens: \$20 (dinner & dancing), \$5 (dancing only (after 9:00pm)). For flyer and dinner reservations E-mail Jim: jpe6@cornell.edu or show up at the door for dancing Feb 8, 2002.

FORSALE: 1994 Chevrolet Silverado pickup. V-8, 350 engine, power steering, windows, locks, cruise control, air conditioning, remote starter. Excellent condition. 113,000 miles. Well maintained. Asking \$5995. Con-

CLASSIFIED, continued

tact pmm19 or call 2394 days or 789-4007 after 5 p.m.

FOR SALE: 1994 7 passenger V6 Dodge Caravan MiniVan. 108,000 miles. Air conditioning, automatic transmission, power steering, cruise control, dual air bags, tilt wheel, AM/FM stereo. Well maintained, clean condition. Blue Book value \$5260. Price: \$2700. Phone 789-9304 or email rwr1.

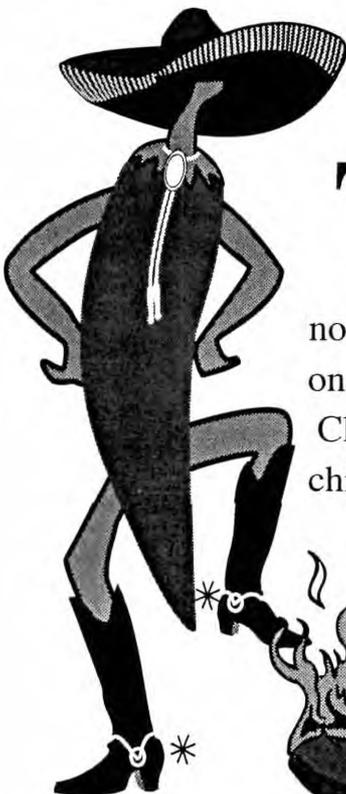
FURNITURE NEEDED. Family of Visiting Scientist (two adults and two children, five & eight years old) need GOOD USED items, either on loan, gift or reasonably priced by Feb 1. One Double bed (mattress, sheets and blankets), One Single bed (mattress, sheets and blankets), dishes, pots, pans, chairs, vacuum cleaner, living room furniture, including cushions and carpets, TV table. Anything else you consider useful. Please call Diego at x-2368 or dbg25.

HOUSE FOR RENT: Open House, Sunday, January 20, 11 AM 1 PM. Located at 287 E. North St., Geneva. This large four bedroom house is completely renovated inside and out. Large kitchen, 1 1/2 baths and laundry facilities. Over 1700 sq. ft. of living space. The layout is perfect for college students and will accommodate 4-7 people. The renovation includes new electrical service with new phone, cable and LAN wiring throughout! It also includes new energy efficient hot water baseboard heat. \$750. per month. Utilities and services are not included. Landlord will provide lawncare. If interested, please call 781-0682 or Herb Cooley at x2266.

Fifth Annual

Barton Lab Chili Cook-Off

**February 8, 2002, High Noon
 Barton Lab Lobby**



This is a special year in the history of Barton Lab! Mark your calendars and get your culinary thinking caps on for the 5th Annual Barton Lab Chili Cook-Off scheduled for Friday, February 8, 2002, at high noon in the Barton Lab lobby. Cash prizes will be awarded for first and second place (winners in three categories: Best Chili with Meat, Best Vegetarian Chili, and Most Creative Chili. Admission is free for those bringing

The cost for those not entering the cook-off but wishing to participate is \$4. Beverages and paper goods are provided. Winners are selected by popular vote of the public. Contact Amy Anderson to register: x2314 or ada10@cornell.edu

