

CORNELL UNIVERSITY STATION NEWS GENEVA NEW YORK

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BRIEFS

VEGETABLES INCREASE IN VALUE IN NYS

The value of vegetable production has increased in NYS over the past five years, despite a decrease in the number of farms.

"According to the 1997 Census of Agriculture, there were 2,719 farm with around 170,000 acres and \$207 million of vegetable production in New York State," says Wen-fei Uva, Sr. Extension Associate in ARME at Cornell, in a paper entitled "Trends in the New York State Vegetable Industry," published in November 1999.

The even better news is that, according to the New York Ag Statistics Service, the total farm value of New York principal vegetables (fresh market and processed) was \$259 million in 1998, which is 20 percent higher than the 1997 value. This figure does not include pumpkins, summer or winter squash, peppers, melon or potatoes. Including all vegetable commodities, the value of the industry could exceed \$370 million.

According to Uva, the growth in the past couple of years is mostly due to the strong recovery in the fresh market sector of the industry.

As far as consumption goes, in 1999, the use of fresh vegetables is expected to outweigh reduced use of most other vegetable categories to push vegetable and melon consumption (on a fresh-equivalent basis) up 1 percent to a record high 453 pounds per person in the U.S. This is the reverse of the scenario that played out in 1998, when declining fresh market vegetable use (down 4 percent) outweighed rising per capita use of canning and freezing vegetables (up 1 percent), and the total vegetable and melon use was 449 pounds per person—down 1 pound from the previous year.

Declines in per capita use were experienced in head lettuce, cucumbers, carrots, and cabbage, partially offsetting increases in the new/old darlings of the fresh market trade: snap beans, asparagus, and broccoli.

(Continued on page 2)

BOOK SIGNING WITH ED GLASS

No one was more excited about the release of the *First 100 Years of the New York State Agricultural Experiment Station* than Dr. Ed Glass. The event was the culminating event of a long and successful career at the Experiment Station for the professor emeritus of entomology. "Publication is one sign of successful authorship," he said. "Now what pen should I use?"

Dr. Glass started signing books on Tuesday afternoon, when they first arrived from the printers, and didn't finish until 3:30 p.m. on Wednesday, December 22. More than 180 Station employees and retirees picked up their copies at the book signing on Wednesday, and stayed to hear remarks of current director Jim Hunter, under whose tenure the project was completed, and former director Don Barton, under whose tenure the project was first started, back in 1980. Every acting director or director—including Alexander C. Davis, Lamartine F. Hood, and Robert A. Plane—since Director Barton's retirement in 1982 have been committed to seeing the history completed and made available to interested readers.

The book was initially intended to celebrate the centennial of the Station, back in 1982.

Editor Pat Krauss, who was head of the department of publications at that time, was also beaming ear to ear at the book signing.

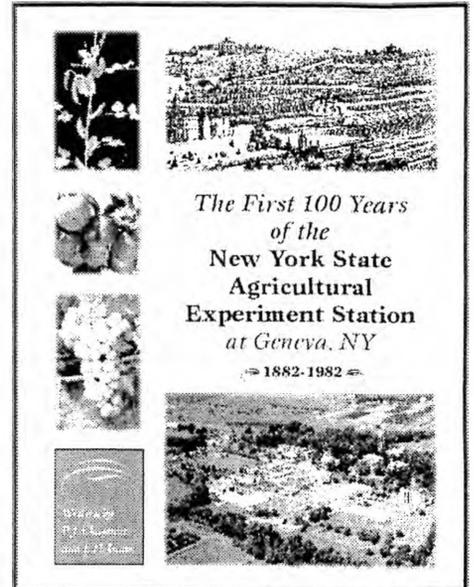
Dr. Glass received a standing ovation from the assembled crowd in the Jordan Hall Lounge and then sat for hours to personalize books for employees who stood in line to congratulate Ed and have their books signed.

The 309-page book was designed by graphic artist Elaine Gotham and printed by Syracuse Litho.

It contains 96 historical photos from the Station's collection of photographs. They were carefully assembled and optimized by Joe Ogrodnick using PhotoShop, with the help of Mary Lou Dumbleton and Rob Way.

A soft-cover version of the book is available to all employees and retirees. Additional

(Continued on page 3)



Station History Proud: (r-l) Jim Hunter, Pat Krauss, Ed Glass, Don Barton and Linda McCandless.

SELECTED ELECTRONIC JOURNALS OF INTEREST TO THE GENEVA RESEARCH COMMUNITY

Agronomy Journal (1998-)
 Annual Review of Ecology and Systematics (1979-)
 Annual Review of Entomology (1997-)
 Annual Review of Genetics (1996-)
 Annual Review of Phytopathology (1996-)
 Annual Review of Plant Physiology and Plant Molecular Biology (1996-)
 Applied Microbiology and Biotechnology (1995-)
 Archives of Microbiology (1995-)
 Archives of Virology (1997-)
 Bioinformatics (1997-)
 Biological Control (1998-)
 Bulletin of Entomological Research** (soon)
 Bulletin of Environmental Contamination and Toxicology (1996-)
 Cell** (1997-)
 Cell Physiology (1997-)
 Cellular and Molecular Life Sciences*** (1998-)
 Crop Science (1998-)
 Current Genetics (1996-)
 Developmental Biology (1998-)
 EMBO Journal* (1997-)
 Food Microbiology* (1998-)
 Food Science & Technology: Lebensmittel-Wissenschaft & -Technologie: LWT (1998-)
 Florida Entomologist (1917-)
 Fresenius' Journal of Analytical Chemistry (1995-)
 Fungal Genetics and Biology* (1998-)
 Fungal Genetics Newsletter (1990-)
 Genes & Development (1997-)
 Genetics* (1980-)
 Genome Research* (1997-)
 Insect Molecular Biology* (soon)
 Insectes Sociaux (1997-)
 International Journal of Biometeorology (1998-)
 International Journal of Food Science and Technology* (soon)
 International Journal of Food Sciences and Nutrition (1996-)
 IPMnet News (1995-)
 Journal of Biological Chemistry (1995-)
 Journal of Cell Biology (1997-)
 Journal of Experimental Botany* (1997-)
 Journal of Heredity* (1998-)
 Journal of Invertebrate Pathology* (1998-)
 Journal of Membrane Biology (1996-)
 Journal of Molecular Biology (1998-)
 Journal of Plant Growth Regulation (1999-)
 Metabolic Engineering (1998-)
 Microbial Pathogenesis (1998-)
 Midwest Biological Control News (1994-)
 Molecular and General Genetics (1996-)
 Molecular Biology of the Cell (1992-)
 Molecular Phylogenetics and Evolution (1998-)
 Mutagenesis (1999-)
 Nucleic Acids Research* (1995-)
 Pesticide Biochemistry and Physiology* (1998-)
 Physiological and Molecular Plant Pathology* (1998-)
 Plant Cell Reports** (1997-)
 Plant Pathology* (soon)
 Plasmid (1998-)
 Proceedings of the National Academy of Sciences (1996-)
 Review of Agricultural Entomology** (soon)
 Review of Plant Pathology (soon)
 Seed Science Research* (soon)
 Seminars in Virology (1998-)
 Theoretical and Applied Genetics (1997-)
 Virology (1998-)
 Weed Abstracts (soon)

E-JOURNALS 2000: Libraries ain't what they used to be!!

It's 11:00 p.m. and you're working on the grant proposal that is due tomorrow. There's an article in *Genome Research* that's essential to completing what is sure to be a successful proposal. Unfortunately, the Geneva Library is closed. How can you possibly complete the proposal in time without the article?

Sit down at your computer. Connect to the Cornell Library Gateway (<http://www.library.cornell.edu>) and select the **Networked Resources** section. Here you will gain access to more than 3,000 electronic information resources, including the full text of many journals. *Genome Research* is available via the Library Gateway from 1997 to the present, for example. The journal article you need is downloadable and printable at any hour, even 11:00 p.m. when the library is closed.

In addition to full-text journals such as *Genome Research*, indexes to the journal literature (e.g. BIOSIS or Food Science & Technology Abstracts), library catalogs, numeric data (e.g. U.S. Vegetable and Melon Production), full-text dictionaries (e.g. Online Glossary of Technical Terms in Plant Pathology) are also available.

Dozens of journals in the areas of Station research are now available electronically, accessible through the auspices of the Geneva Library but from more convenient locations in your office, lab or home. Over the past year, science librarians on the Ithaca and Geneva campuses have put substantial effort and resources into subscribing to hundreds of journals in electronic format. Journals from many major publishers (Academic Press, Springer-Verlag, Oxford University Press and more) and some professional societies are being added. Selected journals that may be of interest include *EMBO Journal*, *Food Microbiology*, *Fungal Genetics and Biology*, *Journal of Invertebrate Pathology* and *Journal of Plant Growth Regulation* [see sidebar].

If you would like to know if a specific journal is available online, just connect to **Networked Resources** on the Gateway and search for the journal title.

It is also possible to find out what journals are available in particular fields. From **Networked Resources**, select "full-text journals" from the pull-down menu and enter a subject, such as genetics. That will give you a list of at least 41 electronic journals in the field of genetics. Just click on a title and browse the articles. This method isn't foolproof, so it's good to search using various words that might describe a broad field of interest.

A number of subscriptions to the print version of journals were cancelled at Geneva when the electronic title became available. The print version generally remains available at an Ithaca campus library, but the savings at Geneva enable additional electronic journal subscriptions. This leads to quicker access for the Geneva researchers and a reduced dependency on interlibrary loan for titles Geneva hasn't owned in the past and had to request from Mann Library or other Ithaca campus libraries.

The Geneva Library welcomes notification when electronic journals become available. Input from the Geneva community assists the library in assuring that access to pertinent research materials improves. As more electronic journals are added to the Library Gateway, access is improved for Geneva researchers, resulting in fewer trips to the Geneva Library and access even when the library is closed.

M. Schlabach, Interim Geneva Librarian

In Like A Digital Lamb

At the Experiment Station, Y2K came in with much anticipation and few problems. The price tag for preparedness probably came to around \$60,000, according to B&P head David Lasher. The Computer Center and B&P had been preparing for the change-over-of-the-century for almost a year-and-a-half. The preparation seems to have paid off in a quiet New Year's and an all-systems-go Monday morning.

Questionnaires and inventories to determine Y2K readiness were sent out to program leaders in Oct. 98. Simultaneously, B&P began evaluating the physical plant for Y2K problems. Results from these activities were assembled and presented to the Cornell Y2K project office on 14 May 1999. No serious problems were found in research computing. Relevant upgrades to the Geneva physical plant were completed by this time. Meanwhile, the Computer Center kept busy tweaking software and installing patches here and there. As 1999 rolled over into 2000, B&P had a number of staff on hand just in case problems arose, but, luckily, none did.

An informal e-mail survey of what Station employee did to prepare for Y2K showed that there was very little panic amongst the Station's masses. A vast majority of responders said that they did either nothing or little extra to prepare. (At least nobody would admit to panicking.) Most people backed up their data and turned off their computers. Some installed last-minute patches to software. Several made sure they had ample supplies of wood, gas, canned goods, and some ready cash on hand, just like they would if they were getting ready for a big snowstorm.

Here is a brief list:

Herb Cooley: "We checked and reloaded bias software for all our PCs prior to 12/12/99, unplugged everything including network connections and walked away at the close of work. I plugged everything in, turned everything on Monday with no problems."

Sandy Antinelli: "I filled the gas grill."

Rob Way: "I stocked up with an extra 12-pack."

Holly King: "I was more concerned with the duct work being done in my office over break than Y2K, but I did unplug my computer. At home, I bought enough bread and milk to tide us over until the 2nd. I could not believe the mob in the grocery store on New Year's Eve day. It was worse than the day before Thanksgiving or Christmas Eve! Some people seemed to panic at the last minute."

John Zakour: "I bought an extra big box of Slim Jims and a case of Pepsi so we would have *something* to eat. Plus at 11:58 p.m., I decided to turn off the computer."

Diane Russell: "I took a few extra bucks out of the bank and left the rest to chance. If they can put a man on the moon, surely they can fix a few digits."

Shall Remain Nameless: "I took a nap so I would be well-rested if called upon to leap into action at the Station to keep people safe that night. Fortunately, I wasn't."

Bob Pool: "I ran like hell."

John Roberts (worst pun): "I knew whatever systems were running on old computers and programs would be updated, which probably needed to be whether there was a Y2K scare or not. I think most of this Y2K was a lot of hype, it gave the media something to report, and a lot of people made money off of it, i.e. the Y2K care package selling for \$300! My question is Why2K?"

Ed Lavin (most creative): "I bought three gallons of bottled water and a case of Saltine crackers. Then I sat with this stash, facing the front door with a loaded 10-gauge aimed and ready to fire. From the stroke of midnight onward unto the dawn, I waited for the foolish and unprepared to rob me of my well and carefully thought out stored goods. No one came."

David Kidd (most thought out): "We believed, and still do, that the Y2K threat was real. Perhaps it wasn't, or maybe man's genius saved the day, or perhaps God again showed mercy on an undeserving world. We may never know. Whatever the truth is, we did see how dependent we are on technology, and consequently, how easily our lives may be

(Continued in next column)

(Signing, continued from page 1)

copies can be bought for \$20 each plus tax. Casebound versions are expected early next week and will be available for \$25 each plus tax. If you haven't yet received your copy, contact Matt Lewis at x2251.



Ed Glass puts his John Hancock on the frontispiece of the Station history, as Station employees wait to be next.

(Digital Lamb, continued)

disrupted from even the slightest miscalculation or human error. Our preparations were not excessive, but allowed us to be a little less dependent, a little more self sufficient, a little less vulnerable, and a little more able to help others if and when the need arises.

One of the most amazing revelations of Y2K is that virtually every large business has some form of backup power. The place we are most vulnerable is where we spend most of our time—home. That fact made us reexamine our own priorities.

Some who prepared may feel a bit foolish or duped, since nothing happened—don't. When you tuck your children into bed at night, you can know that they are a little more secure because you acted on your belief and provided for those who depend on you. That's what preparation was, and is, all about. More than a few believed the coming of the new millenium would bring widespread need and hardship for many people, and therefore we would have to be prepared to help each other. For now, we are relieved of that concern, but I hope the thinking is not abandoned as quickly as an unused generator."

The Roving Station Reporter

CALENDAR of EVENTS

JANUARY 7-14, 2000

MEETINGS

Tuesday, January 11, 10:30 a.m.
CALS CHAIRS' MEETING
 348 Morrison Hall

SEMINARS

**HEARING CONSERVATION
 AWARENESS TRAINING**

Date: January 11, 2000
Time: 10:15 a.m. – noon
Place: Jordan Hall Auditorium
Who Should Attend: B&P Employees, FRU Employees, Print Shop Employees, and other Station personnel who, during their normal duties, experience occupational noise exposure (operating chain saws, heavy equipment, blowers, etc.)

Training Content:

1. The effects of noise on hearing
2. The purpose of hearing protectors and instruction on selection, fitting, use and care
3. The purpose of audiometric testing, and an explanation of the test procedures

Legal Requirement: Hearing Conservation Program has been established to meet the requirements of the OSHA General Industry Standard "Occupational Exposure to Noise" Part 1910.95 and The Hearing Conservation Amendment as published in the Federal Register on March 8, 1983.

Presenter: Michael DeLance, Environmental Health Specialist, Cornell University
Refreshments will be provided.

LTC

January 11, 2000, 2 - 4 p.m.

Filemaker Pro 4.0 part IV
 This workshop will include:
 Designing Relational Databases
 Jane Irwin - Instructor.

FITNESS

AEROBICS AT THE SAWDUST CAFE

Date: Every Monday, Wednesday and Friday
Time: 12:10 to 1 p.m.
 This group uses the videotapes of the fitness expert "Gilad". VCR and tapes are provided by the Station Club. For more information contact Julie Kikkert at x2221 or jrk2@cornell.edu.

TAEKARDIO IN JORDAN HALL

Date: January 10 and 12
Time: Noon-1 p.m.
Place: Jordan Hall Auditorium

"Bring a Friend Day" for anyone interested in checking out the Taekardio class held in the Jordan Hall Auditorium. Tina and Sue, from Geneva Martial Arts, have started their second six-week session at the Station. Mark you calendar and plan to come check out this fun exercise program!! You just might get hooked!!

CLASSIFIED

FOR SALE: 2 Port Mac USB Upgrade (designed for PCI based PowerMacs): \$40. Contact John Zakour x2249.

FOR SALE: 1990 Cheverolet Berretta, 116000 miles, no rust (spent most of its days in Florida) with A/C and cruise control. Just had checked out by a mechanic and said the engine is in good shape. Please contact soon if interested (x2407 or x2474).

FOR SALE: Honda Accord LX (1987, 134 k miles) runs smooth, and is in good condition. Automatic transmission, power windows & mirror, power & tilt steering, stereo, air conditioning, and cruise control. New timing belt, four new tires, two new rear ball joints, one new front axle & control arm, new water pump, and new brakes. Price: \$2,000, or best offer. Contact 787-2344 (office), 789-0107 (home) or sej7@cornell.edu, and ask for Seong.

FOR SALE: Refrigerator and electric range and electric dryer. All in excellent condition. Call Nancy at x2313 or 789-5485.

CAR FOR SALE: 1990 Chevrolet Beretta GTZ. 115,00 miles, air, no rust. Car was checked out by a mechanic who said the engine is in good shape but the car needs a new timing chain and wheel bearing. Edmunds.com lists resale price at over \$3,000 but I am asking \$1,200 due to needed repairs. Please contact Tim at tlw10 or x2374.

WANTED: Older U.S. coins (pre-1950), foreign coins and stamps for my niece and nephews' coin collections for Christmas. I am willing to exchange for equivalent U.S. value or homemade cookies! Please send to Cathy Heidenreich, Plant Pathology, x2433.

WANTED: Tops grocery tapes. The tapes are a fund-raising activity in support of Geneva High School's Marching Band/Color Guard. Please send tapes to Judy Birkett, Jordan Hall.

FOR SALE: 1990 Honda Civic (3 door), gold with brown interior. NO RUST. New tires, cv joints, brakes, shocks and exhaust. Stereo cassette plus an extra stereo cassette (the newer one's digital- I was going to swap them out but didn't have time. We'll even throw in a set of chains for nasty weather.) 130,000 miles. Gets great gas mileage and can haul a lot of stuff. Contact us by e-mail (mlk25@cornell.edu) or by phone (x2419, 789-5345, home) if you are interest. Mike and Helen Kirby.

(Briefs, continued)

APPLE NEWS

A close reading of the New York Apple Association's annual report for 1998-99 reveals the Experiment Station's 33-year old release, the Empire apple, continues to be a dominant producer for New York growers. In 1998, Empire ranked third after McIntosh and Rome, ahead of Red Delicious, with 2.4 million bushels produced. Also, for the third year in a row, New York ranked second behind Washington—and ahead of Michigan—in U.S. apple production by state.

The New York crop yielded 10 million bushels for the fresh market in 1998, a decline of 2.4 million bushels from 1997, due primarily to the Labor Day storm. Nationwide, there was a record fresh crop produced in Washington State. The biggest importers of New York State apples was the UK at 522,621 (in 40# carton equivalents), followed by Canada at 232,678.

SAVE THE DATE

Cornell's Vinification & Brewing Technology Laboratory
 Open House &
 3rd Annual Gala Dinner &
 Premiere Wine Country Auction
 Friday, March 31, 2000
 Ramada Inn Geneva Lakefront
\$100 per person
 (\$50 tax deductible contribution)
www.nysaes.cornell.edu/fst/vb

BOTTLE & CAN DRIVE

The Geneva High School Marching Band/Color Guard will hold a Bottle & Can Drive, Saturday, January 8 at the Hydrant Hose Fire Station. Band students will canvas the city for donations or bottles and cans may be dropped off at the firehouse between 9:30 am - 1:00 pm.

STATION CLUB BOWLING PARTY

February 5, 2000

Plan now, forms will be out next week.
 Please sign up no later than January 31, 2000.

To bowl, \$9 Member – \$11 Non-member.

To watch with refreshments,
 \$2 Member – \$4 Non-member.