

Sandy

CORNELL UNIVERSITY STATION NEWS GENEVA NEW YORK

VOLUME LXXVI • NO. 47
DECEMBER 1-8, 1995

BRIEFS

UPDATE YOUR W-2 ADDRESS

All employees, including temporaries, and students should verify their personal W-2 address. If the address is incorrect, contact your department/unit HR person or update the address in Employee Essentials. If neither of these methods is available, please contact Personnel, Jordan Hall.

GENEVA TO MAKE TRANSITION FROM QUICKMAIL TO EUDORA

After several meetings and much discussion, on November 13, 1995, the AESNet Computer Committee and department chairs at Geneva decided to change the Experiment Station's mail system from QuickMail to Eudora, rather than maintain an independent QuickMail system in Geneva. As was announced last winter, and as everyone who is currently using QuickMail has recently been notified by Chris Manly at CIT, Ithaca will no longer support QMRELAY as of January 2, 1996.

"We are opting for consistency and compatibility with the rest of the Cornell community," said Mark McLellan, who is chairman of the Computer Committee. "Eudora has its pros and cons but, more importantly, by taking this step and joining the Cornell system, our e-mail services will change and adapt along with the rest of the Cornell community."

The transition is expected to be completed by December 4. Each department received detailed instructions on how to set up Eudora during the week of November 27- December 1. Watch for further details coming from the Computer Center.

For readers who require more informa-

(Continued on page 3)

GONSALVES RECEIVES LIBERTY HYDE BAILEY PROFESSORSHIP



Plant pathologist Dennis Gonsalves, the Station's newest Liberty Hyde Bailey Professor, studies yields in this summer's field of genetically engineered Freedom II. The disease-resistant squash received FDA approval for commercial sale this past February. "Asgrow tells me they have already sold out the first 3,000 pounds of seed," said Gonsalves.

Dennis Gonsalves, professor of plant pathology at the Geneva Experiment Station, has been named to a Liberty Hyde Bailey Professorship by the deans and directors of Cornell's College of Agriculture and Life Sciences. He joins Rosie Providenti and Wendell Roelofs as the third Liberty Hyde Bailey Professor at Geneva, and the second in the department of Plant Pathology. Liberty Hyde Bailey (1858-1954) was a distinguished botanist, horticulturist, plant breeder, teacher, poet, and visionary who was dean of Cornell University's College of Ag and Life Sciences from 1903 to 1913. In a career that spanned nearly a century, he helped elevate the study of horticulture to a science.

"The plant pathology faculty were very enthusiastic about Dennis's nomination to Liberty Hyde Bailey Professor," said Herb Aldwinckle, chairman of the department of Plant Pathology, who first met Gonsalves when he was a graduate student at the University of California, Davis, where Aldwinckle did a postdoc. "We are pleased and excited that he's been appointed to this top professorial rank in the College. Dennis's program has been very innovative and extremely productive for many years, and the honor is well deserved."

L.H. Bailey professorships were established by the university trustees in 1972, to provide recognition for distinguished faculty within the College of Agriculture and Life Science who have national and international reputations in agriculture and related sciences.

(Continued on page 2)

(GONSALVES, Cont.)

Nominations are made upon the advice of a select committee of distinguished faculty.

"I am particularly elated that Dennis received this highly prized award," said Director Jim Hunter, who first met Gonsalves when he was a faculty member at the University of Hawaii in plant pathology, and Gonsalves—a native Hawaiian—was studying for his Master's degree. Hunter's next involvement with Gonsalves came when the director succeeded in luring him to Geneva, away from a faculty position at the University of Florida. "Dennis has proved that my confidence in him was justified," said Hunter. "It is wonderful to see the success he has had since those early days in Hawaii, and to see that Cornell recognizes him as one of its most outstanding members of the faculty."

Gonsalves' forte is the diagnosis and control of virus diseases of fruits and vegetable. He is remarkable for his commitment to scholarship and his service to agriculture. He has had remarkable success using both conventional and the latest molecular technologies to develop virus resistant vegetables.

"Besides making great progress with diseases of our local crops, including grape, squash, melon, and tomato, he has also done outstanding work to improve the lot of poor farmers in tropical countries by creating virus resistant papayas," noted Aldwinckle.

Freedom II Squash A First

The L.H. Bailey Professorship is an honor that caps what has been a banner year for Gonsalves. Freedom II, a virus-resistant genetically engineered yellow crookneck

squash which was developed by Asgrow Seed Company in collaboration effort with Gonsalves' laboratory, went on sale last August. The squash is resistant to zucchini yellow mosaic virus and the watermelon mosaic virus II. It is the first virus resistant genetically engineered vegetable to receive approval for commercial sale.

Genetic engineering of fruits and vegetables can increase yields while decreasing the amount of chemical pesticides required for control. Bio-engineering desired traits can reduce the time it takes plant breeders to alter a plant by traditional breeding methods by a factor of about five, saving millions of dollars in crop development. More importantly, plants can be engineered for particular soils, climates, and diseases, giving New York growers and growers in other states and countries with similar problems a much-needed edge in decreasing the large percentages of crops which are lost to pests, diseases, and spoilage.

Gonsalves' research program is extensive in scope and vision but highly specific in its application. He envisions a worldwide network of scientists transferring knowledge and technologies to solve food problems in a global village of hungry people.

"Our program is three-pronged," said Gonsalves. "First, we attempt to study the characteristics of plant viruses from the standpoint of developing control by prevention and/or detection."

The second aim is to develop virus resistant plants through genetic engineering, specifically engineering plants with resistance to viruses such as the cucumber mo-

saic, zucchini yellow mosaic, watermelon watermelon mosaic II, papaya ringspot, tomato spotted wilt, and tomato ringspot.

"On this work, my collaboration with Asgrow is just beginning to reach the pay-off point," noted Gonsalves. Asgrow has provided substantial grant support to Gonsalves' program since 1988.

The third emphasis is to help train scientists from other countries in "useful technology transfer," developing common approaches to specific problems. Gonsalves consults with governments and international agencies to apply basic research and develop programs in plant virology to control virus diseases of fruits and vegetables specific to particular crops or countries.

"Dennis has probably trained more graduate students, especially from developing countries, than any other professor at Geneva," noted Aldwinckle. From 13 to 21 people work in Gonsalves' research program at any one time, including technicians, graduate students, post-docs, and visiting scientists from Asia, South America, Caribbean, and the U.S.

Gonsalves, who is quick to praise the people who work in his program, said he wakes up every morning "happy to have the privilege to work here." In addition to the freedom to pursue his work, he praised the efforts of the Station's support staff of field and greenhouse crews, and the infrastructure of labs, greenhouses, and fields. "Geneva is one of the best places to work," he said. "To be able to do high powered work in a small town atmosphere makes my wife Carol and me very happy."

Holiday Gift Ideas From Station Club

Don't forget that you can get some of your holiday shopping out of the way right here at work. A new item available from Station Club is the Greater Rochester-Finger Lakes Region Dine-A-Mate Coupon Book/Membership for \$20.00 each. These are great for yourself or make great holiday gifts. Membership entitles you to special discounts on fine dining, family and casual dining, fast food and carry-out, travel, tour, vacation package discounts and more! Examples of some local savings are:

BUY-ONE/GET-ONE TYPE COUPONS for Geneva Cinema 1,2,3,4 & 5, Wegman's Home Video, Smith Opera House, McDonalds, Burger King, Domino's Pizza, Wing-Tai Restaurant, Cam's New York Pizzeria, Mario's Restaurant, Long John Silver's, Pizza Hut, Friendly's, and lots, lots more.

Contact Veronica Bailey, B&P, at x301, after 1:00 pm daily if interested in viewing or purchasing a coupon book.

Also available are Station T-shirts, sweatshirts, hats, coffee mugs, and aprons. They make great gifts and are available in the Bulletin Room, Jordan Hall, daily from 8:00 am-Noon..

Sweatshirts

Adult	M, L, XL	13.00
Adult	XXL	15.00
Children	M(10-12), L(14-16)	11.00

T-Shirts

Adult	S, M, L, XL, XXL	7.00
Children	M(10-12), L(14-16)	6.00

Hat One-size fits all 6.00

Apron (great for holiday cooking)

Short	8.00	Long	10.00
-------	------	------	-------

Coffee Mug 7.00

(BRIEFS, Cont.)

tion, a document about Eudora exists in Acrobat format. It is available at <http://www.cit.cornell.edu/cit-pubs/pubs.html>

If people want to discuss the issue further, they are welcome to contact Mark McLellan.

LEARNING TO LIVE WITH LADY EUDORA

Send your burning questions on using Eudora to **MAIL MAVEN**, c/o Sandy Antinelli and they will be answered in next week's *Station News*.

BUT DOES IT HAVE POTENTIAL AS A BIOCONTROL?

Pheromones are a consuming research interest among Station entomologists and integrated pest managers who harvest the sex attractants from the glands of insects, synthesize them, and then use them to lure, trap, count, and control insect pests. Researchers may take more than a passing fancy to "Realm," then, the latest line of fragrance from Erox Corporation, in California.

The new perfumes by Erox are made with synthesized human pheromones. They are supposed to "smell nice" and "trigger positive feelings." But Clive Jennings-White, a British biochemist with Erox, makes no claims for it as an aphrodisiac. "It really affects your sense of well-being, your self-

esteem," he told a Scripps Howard News reporter.

At \$60 for a 1.7 oz. bottle, the women's "floriental" fragrance and the men's "quiet, bright" cologne do not come cheap. But if you've been "pheronomally depriving" yourself and your loved ones by the assiduous application of deodorants, clothes, and the application of other "dead" odors, now is the time to reawaken your lost sense of self.

Of course, Station researchers who are privy to the source of insect pheromones may well ask where Erox harvested its first human pheromone. According to Jennings-White, the original human pheromone was developed from dead skin cells culled from a broken leg—a distinctly unromantic source, and not a source anyone in the know might have guessed. However, Erox is now duplicating and synthesizing pheromones in the relative safety of the laboratory. "Are those labs equipped with cold showers," asked one Station employee, who did not want to be named, "or wind tunnels? How do they test it?" She was also curious about whether human pheromones awakened the same overwhelming sex drive exhibited by male moths in search of likely mates.

The Realm pheromone plume has not made it upstate yet, but, for those adventurous enough to put their money where their noses are, it is available in New York City at Bloomingdale's perfume department, or by calling 212-705-2919.

CORNELL UNIVERSITY BACK INJURY PREVENTION PROGRAM

Gannett Health Center in conjunction with University Human Resource Services will be conducting an on-site training seminar especially for all employees in sitting occupations titled "Your Computer Workstation and Back Health."

Frank Morosky, P.T., coordinator of the Cornell University Back Injury Prevention Program will be conducting the above mentioned training course on the date provided below. The same seminar will be presented at two different times on that day. This training course was developed in response to requests from departments with heavy CPU usage. Topics covered in this seminar include:

- the anatomy and pathology of the upper back and neck (upper quarter)
- biomechanics of proper seated posture
- ergonomics of the computer workstation set-up
- exercises to prevent cumulative trauma injuries to the spine and upper extremities.

Special emphasis will be given to an understanding of carpal tunnel syndrome and related disorders. If you are one of the many Cornell employees whose computer workstation is your own worst enemy, you should attend this course. Call now to reserve a place in one of the up-coming training classes.

Date: Tuesday, January 9, 1996
(Snow Date is Tuesday, January 16, 1996)

Times: (Session#1) - 10:30 am to Noon and
(Session #2) - 1:00 pm to 2:30 pm

Location: Staff Room, Jordan Hall

Return to: Personnel, Jordan Hall
by January 5, 1996

Name: _____
Dept.: _____
Phone Ext.: _____

I will be attending the program at:

____ 10:30-Noon or ____ 1:00-2:30

18th ANNUAL BOOK SALE/CRAFT SHOW A SUCCESS

Thanks to everyone who helped make the 18th Annual Book Sale/Craft Show a success—the Custodians; B&P; Communications Services; the Library Staffs; Paul, Jim, Judy, Sharon, Amanda, and Dawn; and the Retirees' group.

We had 14 dealers from the Station family this year plus the Graduate Students and Station Club which is an all time high! Thanks to all of you for participating.

Mary Lou Dumbleton

*"I sift the snow on the mountains below,
And their great pines groan aghast;
And all the night 'tis my pillow white,
While I sleep in the arms of the blast."*

—SHELLEY—

THIS WEEK'S CALENDAR

DECEMBER 1 - 8, 1995

EVENTS • MEETINGS

Monday, December 4, 6:30 pm

Staff Room, Jordan Hall
English as a Second Language

Tuesday, December 5, Noon

Auditorium, Jordan Hall
Apple Research and Development Program meeting

Wednesday, December 6, 8:00 am

Auditorium, Jordan Hall
Apple Research and Development Program meeting

Wednesday, December 6, 6:30 pm

Staff Room, Jordan Hall
English as a Second Language

Thursday, December 7, 10:00 am

Ramada Inn, Depew, NY
Tomato Advisory Committee meeting



DEADLINES

• Monday, December 11

Beet research proposals and progress reports due to Kathy DeRosa, Director's Office.

CLASSIFIED

FOR RENT: Three-bedroom apartment within walking distance to Station. Furnished or unfurnished. Call 781-2500.

FOR SALE: 1988 Ford Tempo, 5-Speed, \$1,500. Call Jane x287 or 789-8619.

FOR SALE: 1990 Dodge Spirit LE. 73,000 mi. Good condition \$4,500. Call Tom at x293 or 789-3172.

FOREIGN COINS NEEDED: If you have been out of the country lately and returned with some pocket change, please help me round out my nephew's Christmas list! He's coin collecting and would appreciate some new coins—especially South America, Africa or the Middle East! Thanks! Cathy Matteson, Plant Pathology, x312.

ROOM AVAILABLE: Large and bright. Near Station. Private home. Parking. Available January. Call FitzGerald at 789-6618.

SEMINARS

HORTICULTURAL SCIENCES

Date: Monday, December 4
Time: 11:00 am
Place: Staff Room, Jordan Hall
Speaker: Chris Wein
Department of Fruit and Vegetable Science, Ithaca
Topic: Flower Development and Fruit Set: Limitations to Pumpkin Yield?

PLANT PATHOLOGY

Date: Tuesday, December 5
Time: 3:00 pm
Place: Room A133, Barton Lab
Speaker: Kwai-Weng Wong
Department of Plant Pathology, Geneva
Topic: Towards the Production of Fungal Disease Resistant Apple Plants Through Genetic Engineering

SAGES

Date: Wednesday, December 6
Time: 2:30 pm
Place: Conference Room, Food Science
Speaker: Don Splittstoesser
Department of Food Science & Technology
Topic: Wine on the Experiment Station: An Incomplete History

ENTOMOLOGY

Date: Thursday, December 7
Time: 3:30 pm
Place: The Paul J. Chapman Conference Room (Room 310, Barton Lab)
Speaker: Dr. Olivier Zanen, Postdoctoral Associate
Department of Entomology
Topic: The Role of Olfaction and Vision During In-flight Maneuvers by Three Species of Insects in Wind-dispersed Semiochemicals

*Social interaction with speaker at 3:00 pm
Coffee & cookies to be provided.*

The 1995 Annual Station Club Holiday Party

2:00 pm-Sat., Dec. 16, 1995
in the Jordan Hall Auditorium



Sign up your child with the
Coloring Contest/Sign-up Form
available in each department/unit.
(for children 10 years and younger)



We'll have: Food, prizes for coloring contest, holiday crafts, entertainment and "Santa." Each family is asked to bring an hors d'oeuvre or dessert to pass. Pizza and soda will be available.

Santa will arrive with gifts for children 10 years and younger. Look for Coloring Contest/Sign-up Forms in your department/unit or call Ann Best at ext. 301.

Send entry form for each child to **Ann Best, Buildings & Properties**, by **Monday, December 4.**

Optional: Send a copy of the recipe for your hors d'oeuvre or dessert along with your child's sign-up form to share with other parents (be sure to put your name on your recipe).

Call Ann at x301 with your child's name if you don't want to take the coloring contest home. Also, please let people know that they can bring their recipes to the party along with sending them to me. I will made up a collection of them after the party and give them to those who ask. There will be a sign-up sheet for them at the party.

Cornell Federal Credit Union calendars
are available. Call Charlene Dunham
at x203 to receive yours.