

CORNELL
UNIVERSITYSTATION NEWS GENEVA
NEW YORKVOLUME LXXX • NO. 12
MARCH 26-APRIL 2, 1999**BRIEFS****GENEVA COMPUTER
PASSWORDS**

For those who use the Geneva Sun systems: users of NYSAES e-mail, 787-2381 computer access, SAS, and so forth, a simplified, web-based way of changing passwords is now available. For details see www.nysaes.cornell.edu/cc/notes/383

NEW E-MAIL/PHONE LISTS

New e-mail/phone listing sheets are being distributed this week. Be sure you pick one up when you get your copy of Station News.

NEW CHEMICAL WASTE TAGS

New chemical waste tags are available from Environmental Health & Safety. Please *do not use* the old tags, due to a change in format. The main campus at Cornell *will not* accept waste with a front cover tag. Tags are available from Sue Dwyer (sgd2, x466), EH&S, G-18 Food Research Laboratory. NOTE: Although the tag is imprinted "Return to Ithaca, NY," tags from NYSAES should be sent to Soon (Rusty) Kong, G-18 Food Research Building (ssk19).

EASTER CANTATA

The Union Congregational Church in Hall, NY will present the Easter Cantata "Who Do You Say I Am?" by Claire Cloininger and Robert Sterling on Palm Sunday, March 28. Two performances at 3:00 pm and 7:30 pm will feature a 65-member choir that includes Station members Julie Kikkert and Wendell Roelofs, under the direction of James Kikkert. The concert is free.

(*BRIEFS Continued on page 3*)

JOHN ROBERTS JOINS STATION FACULTY

Dr. John Roberts has joined the faculty of the Department of Food Science as Assistant Professor. Roberts began work on March 8 as the department's fruit and vegetable process engineer. His work will focus on the design and study of process systems for plant derived raw material. His research will encompass such areas as: transport phenomena in both conventional and new processes, such as retort and microwave heating respectively; process design and optimization; functional ingredient application and thermal deterioration, and shelf-life extension through minimal processing. To best utilize his outstanding technical and communication skills, Roberts will carry an unusual three-way split of research, extension, and teaching. He will be responsible for the unit operations of the Processing of Fruits and Vegetables course which will be offered every other year.



"John Roberts adds a dimension of strength in the food engineering area that will allow us to expand our basic knowledge in the area of thermal processing of food using novel technologies," said Dr. Mark McLellan, Chair of the Food Science and Technology department in Geneva. "This will lead to numerous opportunities and advancements for the New York state food manufacturing and processing industry," McLellan noted.

"I am really looking forward to getting my research started and establishing trust among the academic and processing communities," Roberts said. "I am anxious to see what the needs are for local processors and develop research to meet those needs," he added. Roberts is happy to be bringing much of his own equipment with him from Rutgers. "Pillsbury owns the equipment, and they had an agreement with my major advisor, Dr. Woody Tong, who left academia for industry. The agreement allowed transfer of the equipment to me so that I can continue research in microwave heat applications," Roberts explained. He stressed how fortunate he is to have such state-of-the-art equipment. The equipment consists of a large (1 cubic meter) microwave cavity, a magnetron and a temperature feedback controller, a dielectric property measurement instrument, and a fiber optic temperature/pressure instrument, which measures the internal temperature and pressure of foods in a microwave environment.

Roberts received his B.S. in Agriculture (major in Food Science and Human Nutrition) in 1993 from the University of Florida at Gainesville. He received his M.S. in Food Science in 1994 also from Gainesville, and he received his Ph.D. in Food Science in 1999 from Rutgers, The State University of New Jersey. Roberts' thesis was entitled, "Modeling the Drying of Hygroscopic Porous Material Based on Simultaneous Heat and Mass Transfer."

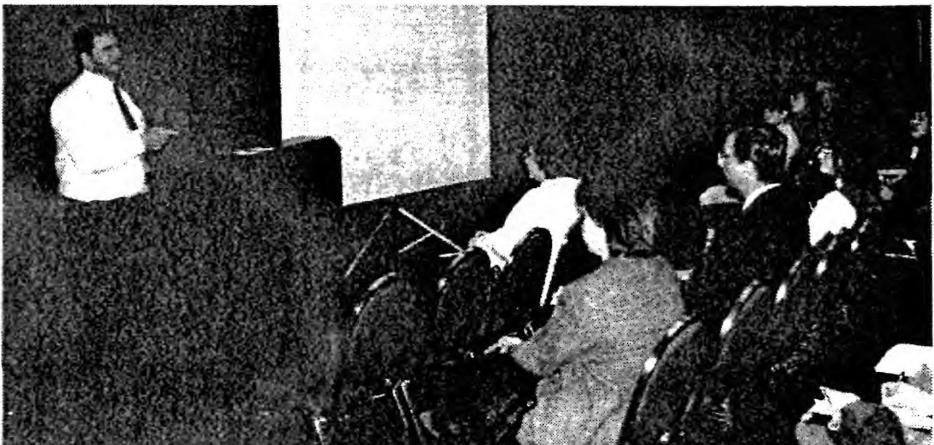
Roberts has worked as an Analytical Technician and a Quality Assurance Technician at Tropicana Products, Inc. He also served an internship at the University of Florida where he worked on developing a new thaw process for frozen shrimp, a project on which he

(*ROBERTS Continued on page 3*)

WESTERN NY IFT FOOD INDUSTRY EXPO A SUCCESS!



The Second Annual Western NY Institute of Food Technology Food Industry Expo was held in Rochester on March 16.



Randy Worobo's session focused on juice technology and UV pasteurization.



Frank A. DeLapa, past chair of Western IFT Section, registers with Ellen Chamberlain, FST graduate student and Expo volunteer. PHOTOS BY JONATHAN LICKER

The Second Annual Western New York Institute of Food Technology (WNYIFT) Food Industry Expo was held on March 16, 1999 at the Rochester Riverside Convention Center. The event, which was attended by more than 200 people from all over the area, featured seminars, exhibits, a student poster competition and a reception.

This year's seminar section was expanded to include concurrent sessions. Topics included Bio-films, Dairy Products, Kosher Foods, UV Pasteurization and Labeling. Geneva Food Microbiologist, Dr. Randy Worobo, discussed ultraviolet light and juice technology, describing the progress of his research using UV pasteurization as a non-thermal alternative for apple juice. Other speakers from Cornell faculty to speak were Ithaca food scientists, Joe Regenstein and Mike Rudan. Regenstein spoke on Kosher and halal foods as an important component of modern food production while Rudan offered an overview of recent advances in dairy food and ingredient research at the Northeast Dairy Foods Research Center.

After the seminars, attendees chose from more than 100 supplier exhibits to visit. Exhibitors included Kraft Food Ingredients, Morton Salt Company and ADM Cocoa. They promoted their products with samples, printed material, and gifts.

The evening was topped off with the "Taste of Western New York" reception at the Riverside Court. Winners of the poster contest were announced at this event. Grace Feng won first honors, Jonathan Licker took second place, and Genevieve Johnson and Pervin Barsaran tied for third. All the winners received a cash award.

The Expo, organized by Shirley Barber of Events With Attitude, made about \$12,000 profit for WNYIFT, some of which was used to support the poster competition winners. Additional profits from the Expo will eventually fund a new graduate student scholarship. "The Expo was a smashing success!" said Mark McLellan, FST Chair. "With three competing Expos going on concurrently we were very pleased with the turnout. We certainly intend to have the Expo again next year!"

John Zakour

(ROBERTS, cont.)

continued to work for his masters degree. While at Rutgers, Roberts was a USDA Fellowship recipient and a part-time lecturer and teaching assistant. He prepared and presented lectures to undergraduates for the "Introduction to Food Engineering Processes" course, and was awarded the Endel Karmas Teaching Award in Food Engineering. Roberts has also written numerous papers on ohmic thawing.

Roberts who is single, played football at Hampden-Sydney College, where he was an offensive tackle. He still enjoys sports, although he has lost 70 pounds since his playing days! He was in the racquetball finals the last three years at Cook College at Rutgers. He also plays tennis, golf and softball. When he's not in the lab or on the playing field, Roberts enjoys playing guitar, camping and biking. He plans to live in Geneva.

BARTON LAB UPDATE



The construction at Barton Lab has begun. The contractor is making preparations for the installation of the exterior construction elevator and will install the support steel in the next couple of weeks. There will be noise. We will take precautions to keep as much dust as possible from entering the building.

Also, the east entrance of Collier Drive will be closed to all traffic except emergency vehicles from **March 29** until the Barton Lab project is completed. Thank you for your patience in this matter.

Ralph D'Amato

"Success is to be measured
not so much by the position
that one has reached in life
as by the obstacles
which were overcome
trying to succeed."

—BOOKER T. WASHINGTON—

STATION SAFETY COMMITTEE REPS

The Station Safety Committee works as a team to assist in providing a safe and healthy work environment at the NYSAES. The group asks for input from all employees. If you have questions, concerns or suggestions please contact one of the representatives or Soon Kong at x466. Scheduled Safety Committee meetings for the remainder of 1999 are:

April 27 in G-19 Hedrick Hall
July 27 in 2 Floor Conference Room, Food Research Laboratory
October 26 in A133 Barton Laboratory

Station Safety Committee Representatives:

Pat Krauss, Chair and Health and Life Safety Coordinator (x201), rek3
Tom Burr, Plant Pathology, Pesticide Safety (x312), tjb1
Ralph D'Amato, Buildings & Properties, Fire Safety (x310) rjd15
Sue Dwyer, Safety Committee Secretary (x466), sgd2
Charles Eckenrode, Entomology, Pesticide Safety (x354), cje1
Tiffany Fisk, Plant Genetic Resources Unit (x307), tjf4
Martin Goffinet, Horticultural Sciences, Hedrick Hall (x392), mcg2
Charie Hibbard, Human Resources (x210), cah3
Soon (Rusty) Kong, Environmental Health & Safety, (x466), ssk19
Dave Lasher, Buildings and Properties, Building Safety (x220), dcl1
Harvey Reissig, Entomology, Pesticide Safety (x336), whr1
Stephen Schaefer, USDA, ARS, PGRU (8-5-8849), scs8
Mark Scott, Field Research Unit, Farm Safety (789-3689), mls32
Nancy Smith, Food Science and Technology (x264), nls2
Dave Soderlund, Entomology, Radiation Safety (x364), dms2
Alan Taylor, Horticultural Sciences, Sturtevant Hall (x243), agt1
Mart VanKirk, Jr., Field Research Unit, Pesticide Disposal (781-5307), mwv1

FST ITEMS TO BE SURPLUSED

Bacterial growth kinetics incubator, serial 1-31109, no asset# visible
Blanched pea cooler, C6230367
Wilmes presser, small, type 60, serial WR6009, CU# C6231362
Tuc Husker, model B-10, serial 1126, barcode 36163
Abrasive peeler, no numbers
Pea podder, Sinclair Scott, barcode 36168
Corn desilker, Tuc model WS, serial 2988, barcode 36165
Corn desilker, Sinclair Scott, serial JRW904D, CU C6230015, barcode 36175
Thermutator, Cherry Burrall model 324, serial 64, barcode 37077
Rotary drum DE filter, size 20 x 12, Filtration Engineering, serial LA28729, barcode 37107
End over end retort, 1964 Berlin Chapman, serial 00713, barcode 45445
Fiberglass 800 liter adjustable top tank, CMP Italy, barcode 36192
Metal desk
Kiln and welding outfit—old
Wood lab cabinets/benches with soapstone tops

All items are best offer. To arrange to view or for technical details call Bob Kime or Tracy Harris (x258). Deadline for bids is April 8.

CALENDAR of EVENTS**MARCH 26-APRIL 2, 1999****SEMINARS****HORTICULTURAL SCIENCES**

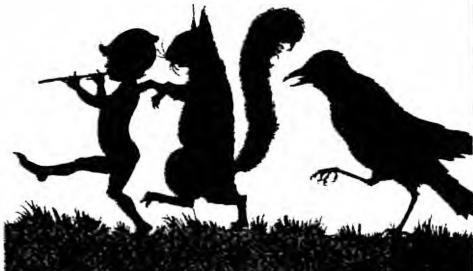
- Date:** Monday, March 29, 1999
Time: 11:00 am
Place: Jordan Hall Staff Room
Speaker: Stephen Reiners
 Department of Horticultural Sciences
 Cornell University, Geneva
Title: Developing a Program in Vegetable Culture—Reviewing the Past Five Years

PLANT PATHOLOGY

- Date:** Tuesday, March 30, 1999
Time: 3:00 pm
Place: Room A133, Barton Laboratory
Speaker: Fuh-Jyh Jan
 Plant Pathology
 Cornell University, Geneva
Title: Roles of Non-Target DNA and Viral Gene Length in Influencing Multi-Virus Resistance through Homology-Dependent Gene Silencing

FOOD SCIENCE & TECHNOLOGY

- Date:** Wednesday, March 31, 1999
Time: 10:30 am
Place: FST Conference Room
Speaker: Alison Poon
 Alberta Agriculture
 Edmonton, Alberta, Canada
Title: A Canadian Perspective on HACCP Implementation and the Role of Government

Spring is here!**PISUM GENETICS COMES HOME**

In 1969, an international group of researchers in pea founded the Pisum Genetics Association and *Pisum Newsletter* to increase communication within the group. Gerald A. Marx, pea breeder and geneticist at the Station, was the original chair of the association and editor of the newsletter, and he held these positions until he died in 1989. During those years, the newsletter was produced at Geneva under the Department of Vegetable Crops, forerunner of the Department of Horticultural Sciences. Ian Murfet in Australia took over as chair and editor until last year

when Norm Weeden from Horticultural Sciences at the Station took the helm.

The latest edition of the newsletter, since rechristened *Pisum Genetics*, features Stig Blixt, a founding member of the association, recognizing his significant contributions to *Pisum* germplasm and diversity. It also presents the first consensus linkage map for the pea genome. It was produced and printed by Communications Services.

SAVE the DATE**Friday, July 16 at 3:00 pm****STATION CLUB PICNIC**

at the Station Pavilion

PEOPLE**Congratulations**

Congratulations to Stephanie and Steve Hesler on the birth of Shawn Robert Hesler on March 17. Shawn weighed 7 lbs. 14 oz. and was 20-1/2 inches long.

Condolences

Condolences to Steven King, PGRU, whose mother Sandra Jean King passed away peacefully on Monday, March 22, after battling cancer since July 1998.

PISUM GENETICS**Volume 30
1998**

New York State Agricultural Experiment Station, Cornell University
 ISSN 1320-2510

PORTRAIT DRAWN BY ELAINE GOTHAM

CLASSIFIED

FOR SALE: Table and 2 chairs. The table is quite large when fully expanded, but has two end leaves that can be folded down to save space. The chairs are old but usable. Asking \$50.00 for the table with the chairs thrown in for free! Contact Tom Herlache (x312, th22).

ZITI DINNER: Sponsored by the GHS band and color guard. March 28, 1999. 4-7 pm. at the American Legion on Lochland Road. Geneva. Tickets: \$5/person, children under five free. Take out will be available, and there will also be a bake sale.

WANTED: All Campbell's labels and General Mills box tops. The Lyons Elementary School is once again collecting Campbell's/Prego/V-8/Progresso labels to use toward school equipment, as well as General Mills box tops to raise money for education supplies and materials. If anyone would care to donate any labels or box tops contact Pat Wallace (x221, pgw2) and she will gladly pick them up.

SHRUBS AND TREES AVAILABLE: Over 80 varieties of shade trees, flowering trees, native plants, flowering shrubs and foundation plants. Contact Jim Engel (jpe6@nysaes.cornell.edu or x378).