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JULY 18 - AUGUST 1, 2003

BRIEFS

Imagine What Life Would Be Like If You Lost Your Eyesight!

The ability to see is very important, but many people are careless when it comes to protecting their eyes from injury. In 1996, there were more than 5,200* disabling eye injuries in New York State workplaces. Some of the injuries resulted in blindness or seriously impaired vision. But the real tragedy is that the vast majority of these injuries could have been prevented.

The eye may be the organ most vulnerable to occupational injuries. Although the eye has some natural defenses, these do not compare with the healing properties of the skin, the automatic cleansing abilities of the lungs, or the recuperative powers of the ear. A typical workplace has potential eye hazards such as flying objects, chemical exposure, and ultraviolet rays. Being hit in the eye with a flying object accounts for more than 66 percent of eye injuries, and chemical splashes represent another 20 percent.

Preventing eye injuries from flying objects and splashes is relatively easy. However, thousands of workers suffer eye injuries each year because they do not wear eye protection or do not wear proper eye protection when conditions clearly call for it.

The most common types of eye protection are:

- **Safety glasses with side shield** offer protection from flying objects. They also may have eye cups to add protection to the top and bottom. Safety glasses can be prescription or non-prescription, and are made with lenses and frames tough enough to withstand a hard blow.

- **Goggles** are intended for wear when there is danger of splashing chemicals, dusty environment, or flying objects. Impact-protection goggles have screened areas on the sides to provide ventilation and reduce fogging of the lens but do not offer full protection against chemical splashes. Splash goggles that have splash-proof sides should be used when protection from harmful chemical splash is needed.

- **Face shields** are designed to protect the entire face. Full-face shields should always be worn when maximum protection from flying particles and harmful liquids is needed. For full protection, safety glasses should be worn with face shields.

Important Notes of Caution about Eye Protection

- Regular glasses cannot be used as safety glasses. They may look the same, but they are not strong enough to resist a hard blow, even with shatterproof lenses, and could result in part of the lens or frame being pushed into the eye.

- Metal-framed eye protection can not be used in areas where there may be an elec-

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Taylor Wins Seed Science Award

Alan G. Taylor, a professor in the department of horticultural sciences, has won the 2003 Seed Science award for distinctive service in the development and use of quality seeds in agriculture. The award is presented by the Crops Science Society of America. The principal criteria are significance and originality of research, contributions to extension and service activities, educational activities relating to training seed scientists, international contributions, and professional interactions with seed related organizations. Taylor will receive a plaque and a \$1,000 honorarium donated by Pioneer Hi-Bred, the company that financially supports the award.

Taylor's research program can best be described as "modern seed technology" with many well-organized projects for multiple stakeholders. His research ranges from the applied aspects of seed technology to more fundamental aspects of seed biology. Approximately three quarters of this effort is devoted to vegetable seeds, while the remainder includes agronomic and other species.

In cooperation with vegetable extension specialists and others with responsibilities to the New York vegetable industry, Taylor has worked on a range of topics including development of practical seed quality tests, understanding factors limiting germination and stand establishment, evaluation of new sowing methods, and pest control of seeds and seedlings. Taylor's lab has pioneered the development of rapid seed quality tests for large-seeded legumes and other important agronomic and horticultural crops. This research has focused on biochemical parameters of seed quality and the detection of seed aging. Taylor and his colleagues are also leaders in the development of seed coating, specialized seed conditioning, priming and other technologies to enhance germination and stand establishment. This effort is directed primarily to high-value horticultural crops, and conducted in cooperation with colleagues at Cornell, other universities and industry.

Taylor has the only university-based program in the US with facilities and expertise for application of seed treatments, including low volume application, film coating, and rotary pan technology. His lab has become the hub for seed coating and seed treatment programs at Cornell, and other universities, including Canadian institutions. He maintains cooperative projects with many pest management specialists.

"It is an honor to receive the Seed Science award in recognition for my research on vegetable seeds. I am most pleased as this was awarded by the Crop Science Society of America that focuses on agronomic crops," Taylor said. "The Station provides a work environment for faculty to excel, and attain state, national and international recognition. Mission-oriented research is complemented by excellent cooperators, resources and facilities. Moreover, creativity in research is fostered that benefits many stakeholders," Taylor added.

Taylor came to Geneva in 1981 as an assistant professor. He was promoted to associate professor in 1987 and full professor in 1997. Taylor earned his B.S. in Biology (Botany) from Heidelberg college, his MS in Horticulture from Michigan State University, and his Ph.D. in Horticulture from Oklahoma State University. Taylor attributes much of his interest in application of science to agriculture, in particular vegetable crops, to Drs. H. Price and J. Motes, who mentored him while he was at Michigan State University. Taylor is a member of CSSA, ASA, ASHS and ISSS. He currently serves as associate editor for *HortScience*, and is on the editorial boards of *Agronomy Series of the Electronic Journal of Polish Ag. Universities*, *International Journal of Plant Varieties and Seeds*, *Seed Technology*, *Journal of New Seeds* and *Scientia Horticulturae*. Taylor is the current chair of the multi-State project, W-168, and ASHS Seed and Seedling Establishment working group. In addition, Taylor teaches a course on Seed Science and Technology at the Ithaca campus.

"I want to thank the people that I have worked with over the past 22 years," said Taylor.

(Continued on page 2)



Alan Taylor

CALENDAR of EVENTS
JULY 18 - AUGUST 1, 2003

MEETINGS

Chairs Meeting

Date: Wednesday, July 23, 2003
Time: 2 PM
Place: Director's Office

LTC

Date: Tuesday, July 22, 2003
Time: 8 AM - 12 Noon
Place: LTC
Subject: Open Lab
Facilitators: Jane Irwin

FITNESS

Aerobics

Date: Mon., Wed. & Fri.
Time: 12:10 - 1 PM
Place: Sawdust Cafe

Taekardio

Date: Mon. & Wed.
Time: 12:10 - 1 PM
Place: Jordan Hall Auditorium

CLASSIFIED

FOR SALE: 1993 Ford Taurus, automatic, 147,215 miles. Lots of new parts (spring/struts, brakes, modules, starter, water pump, tires, snow tires, distributor cap and more), good body and clean interior, well maintained, runs well, but needs work on transmission eventually. Asking \$1800 or best offer. For more info, email yg28@ please.

COMPUTER FOR SALE: Compaq Presario, Model 7360, 64 MB RAM, 10 GB hard drive, CDROM, modem. Surround sound speakers and external zip drive included. Computer and manuals in great condition. Perfect for students or for home use. Only \$175 Contact Rachel Davis, rpd22 or x2242.

FOR SALE: GE 30 inch double oven/stove combination Lower oven 30 in. & self cleaning upper oven 27 in. manual cleaning and 4 burner cooktop. Excellent condition. Almond and black. Approx. 10 yrs. old. Not built in. Asking \$425. Contact Pat @ ext. 2414, pm12@cornell.edu or 781-0218.

FOR SALE: Brand new, 60" round, tempered glass top patio table, neutral trim/base. \$80.00. Call Judy Birkett, 585-526-5840.

WANTED: Housing for 20-yr-old female foreign exchange student from Belaruse. Within walking distance of Carvel. \$75/week. Contact Hal Berge at 789-4599.

FREE TO A LOVING HOME: 10-week-old kittens. Yellow and white long haired tigers, gray, black, and black & white. Please contact Amy at 787-2314 or ada10 for more information

FOR SALE: Raymond electric truck- walk behind pallet mover. 2,000 lb. capacity. Good condition. Asking \$500 OBO. Entomology Department surplus equipment. Contact Cindy Smith at x2322 or cls47

CAMPRENTAL: Cayuga Lake. \$75 a night, \$500 a week. Week runs from Tues 3pm to Tues 11am, or Sat to Sat etc. Deposit required, 50% or \$100 whichever is less-non refundable. You must bring your own towels and linens. There is one queen size bed upstairs and a full size futon downstairs. Contact Dawn at 787-2292 or dcd6@cornell.edu for more information

FOR SALE: Baby rabbits. Lop-eared, assorted colors. \$10 each. JW2, 539-3155, or x2407

BEACH HOUSE vacation getaway on beautiful, southwest shore of Canandaigua Lake, is only a 45 minute drive from Geneva, 10 minutes from Naples. Swim, sun, fish, romance, relax, loaf, wine country. Reservoir Creek and Bristol Harbour golf courses, Bristol Valley Theater, Grape Festival, etc. Situated right on the water, suitable 1-2 couples or small family. Very nice beach area. Rowboat and canoe included. Reduced rates by week or weekend in September-October. Interested? Contact Elaine at elg2

Heather Melidossian, Receives Scholarship

Heather Melidossian, graduate student in plant pathology, is the recipient of the Lucio Soree Memorial Scholarship. The scholarship is sponsored by the American Wine Society Educational Foundation which is a sub-corporation of the American Wine Society. The American Wine Society is a nonprofit consumer organization designed for the education and appreciation of wine and winemaking.

The AWSEF awards scholarships to current graduate students whose research will contribute in some way to improving viticulture and winemaking. "The \$2,500 award is intended to help with tuition, or in my case, will be used for research purposes since my tuition is already covered," Heather said. "The money will help pay for laboratory supplies as well as travel expenses for conferences that I will be attending," she added.

Heather's research focuses on the interactions between Grape Powdery Mildew (*Uncinula necator*) and a tydeid mite (*Orthotydeus lambi*). This mite has been shown to reduce powdery mildew infection on wild and cultivated grapevines by directly grazing upon the pathogen. This interaction presents a functional alternative to conventional methods of controlling powdery mildew in commercial vineyards. She will be attending the American Wine Society annual conference in November to give an oral presentation of her research.

Dave Gadoury, who works closely with Melidossian, said "Heather's work is truly innovative, and represents the only known example of an arthropod that controls a plant disease. She has shown that the mite can reduce foliar mildew to a degree that prevents development of significant fruit infection. Her studies of feeding behavior, mite grazing on mildew colonies, and mite densities required for effective disease suppression have gone a long way towards making this a practical biological control of a major crop disease."

Melidossian expressed gratitude to her advisors Bob Seem, David Gadoury, Greg English-Loeb and Wayne Wilcox. "I want to thank them for all their wisdom and support," she said.

(TAYLOR, continued)

"Over 50 people have worked in my lab including Cornell and other students, summer interns, technicians, post-docs, visiting fellows and faculty from other institutes on sabbatical." Collectively, a global network of people representing 17 countries have been mentored in Taylor's lab. Taylor has developed numerous collaborative arrangements with scientists in other disciplines including,

entomology, pathology, plant physiology, biochemistry, anatomy and breeding, food science, carbohydrate chemistry, biophysics and engineering. "This interaction provides a wealth of expertise and facilities to support the study of seed biology and technology," Taylor noted.

Taylor will receive the award at the National Agronomy meetings in Denver in November.

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(BRIEFS, continued)

trical hazard. Metal, of course, conducts electricity, so accidental contact between the frame and an energized power source could result in a real tragedy.

- Eye protectors are only as good as the fit. A poor fit is not only uncomfortable, but it also defeats the purpose of wearing the protection. Poor-fitting eye protection should be replaced.

Eye protectors will fit better, work better, and last longer if they are properly cared

for. Before each use, check for bent or damaged frames and scratched lenses. After each use, wash in warm soapy water, rinse thoroughly, and air dry. In addition, they should be stored in a clean, dust-proof container, such as zip-lock bag.

Environmental Health & Safety at Geneva wants to remind you: always remember to wear proper eye protection to keep the twinkle in your eyes!

*Bureau of Labor Statistics
Soon Kong



Six Station Employees recently received Cornell Service Awards. Pictured here are (left to right): Herb Cooley - 25 years, Nancy Jensen - 25 years, and Kathy Poole - 30 years. Also honored were: Bill Wilsey - 30 years, Bruce Moore - 30 years, and Henry Grimsland - (Hudson Valley) - 25 years.

RED CROSS

BLOOD DRIVE

Monday, August 11, 2003

9:00 AM - 2:30 PM • Jordan Hall



American Red Cross
Still No Substitute