



WEEK OF APRIL 22, 1990

STATION NOTES

CALENDAR OF EVENTS

Tuesday, April 24, 9:00 am
Staff Room, Jordan Hall
Purchasing Seminar

Tuesday, April 24, 6:30 pm
Staff Room, Jordan Hall
English as a Second Language

Wednesday, April 25, 4:00 pm
Director's Office
Geneva Department Chairs' Meeting

Friday, April 27, 3:00 pm
Campus Warehouse
Open House Activities

ASAP MEANS WHENEVER

Service units at the Station are constantly receiving requests to have work performed "As Soon As Possible." Such a notation does little to help any of these units to plan their work to meet realistic deadlines that have been requested by others. Please, with whatever service unit you are dealing (Field Research Unit, Buildings and Properties, Computer Center, or Communications Services), avoid use of the deadline "ASAP." Give a specific, but realistic date of when you want the job completed. If there is a problem in meeting that date, someone will contact you to resolve the matter.

Speaking of deadlines, items to be published in *Station Notes* are to be in Sandy Antinelli's office not later than Wednesday noon of the week that they are to appear. Your cooperation on this will be greatly appreciated.

UNIQUE FACILITY AIDS IN PLANT DISEASE RESEARCH



The Monoclonal Antibody laboratory is a relatively new facility located in the basement of Barton Laboratory. First opened in February of 1988, the laboratory produces and tests monoclonal antibodies that are in turn used by plant pathologists for diagnosis and research.

Veronica L. Mittak, technician in charge of the laboratory, describes an antibody as a "protein secreted by a sensitized lymphocyte which binds to a foreign molecule, or antigen. A monoclonal antibody (mAB) is a highly specific antibody which targets only unique determinants of an antigen." The most common use of mABs is in the detection of subtle antigenic differences between closely related pathogens. These differences provide the plant pathologist with information that can be used in both diagnosis and research.

The procedure for producing the desired mAB begins by immunizing mice with the pathogen. The mouse's immune system recognizes the pathogen as being foreign, and produces antibodies against it. Lymphocytes, which are the antibody-producing cells, are found in the spleen, lymph nodes, and bone marrow. These cells, which have a limited life-span in culture, are chemically fused with "immortal" cancer cells resulting in an antibody-producing cell with an unlimited life-span in culture.

MABs produced in this facility from fungi, viruses, and bacteria are used in E.L.I.S.A., immunochemical and immunofluorescence tests for the detection and identification of plant pathogens, and for the study of these pathogens and their cellular processes.

STATION PEOPLE HAVE NOW WORKED

213

DAYS WITHOUT A LOST TIME ACCIDENT

WINE INDUSTRY WORKSHOP RESOUNDING SUCCESS

Through the excellent organizational efforts of Don Downing and Thomas Henick-Kling, Food Science and Technology, another highly successful wine industry workshop has just concluded. About 100 operators of small wineries from New York, New Jersey, Pennsylvania, Massachusetts, Ohio, Michigan, and Canada attended the two-day affair which was held in the Auditorium of Jordan Hall. Taking part in the program from Geneva were: Mary-Howell Martens, Bob Pool, and Gary Howard, Horticultural Sciences; Tim Dennehy, Entomology; Tom Burr and Roger Pearson, Plant Pathology; Phil Forsline, USDA/ARS Plant Genetic Resources Unit; and Inga-Mai Larsson, Thomas Heinick-Kling, Don Splittstoesser, and Olga Padilla, Food Science and Technology. Subject matter covered a wide range of topics including discussions on regulatory requirements, personnel management, conserving grape germplasm, the potential role of genetic engineering in grape breeding, disease and insect problems facing the industry, nutritional requirements of vinifera varieties, and various topics related to wine preparation, processing, and storage.



During the workshop, individuals had an opportunity to taste wines from the different wineries represented at the meeting at a special wine tasting held at the Scandling Center on the campus of Hobart and William Smith Colleges.

CAMPUS WAREHOUSE PARTY

Don't forget the party at the Campus Warehouse this coming Friday, April 27 at 3 p.m. Director Plane has been invited to say a few words both about Arbor Day and as part of the formal dedication of the Campus Warehouse as our newest physical facility on campus. Also invited to comment about the Warehouse are two individuals who had a lot to do with it becoming a reality, Assemblyman Frank Tallomie and Senator Paul Kehoe.

The Station's Arboretum Association is also planning special functions including a free plant give-

away and a tree-planting ceremony. The Association is working closely with the Station's Greenhouse and Grounds crew on a landscaping project for the Warehouse. Original plans for landscaping had to be eliminated from the budget in order to bring the project in under the ceiling established by SUNY Construction Fund.

While at the Warehouse, take a few moments to enjoy some specially prepared apple juice that uses honey as a clarifying agent. This process, patented by Bob Kime, Food Science and Technology, is

receiving considerable interest in the food industry. Mayer Brothers Apple Products, Incorporated in West Seneca, New York has purchased exclusive rights to use the process and is ready to market a new product that has been "honey" clarified.

Also, after you have enjoyed some refreshments, spend some time walking through the Warehouse to see this outstanding facility that the Station now has for storing items that are not immediately needed. Charlie D'Amico has agreed to be the general manager for the Warehouse. He can be reached at x372.

MAIN CAMPUS NEEDS USHERS FOR COMMENCEMENT

Ushers are needed for this year's Commencement exercises. If you would like to volunteer, please contact the Commencement Office at 8-5-9541. You will be asked to attend a training session on either May 23 or 24. Also, you will be invited to attend a wine and cheese reception on May 30 at President Rhodes' home.

TENNIS LADDER

The tennis ladder will begin again in May. Anyone wishing to sign up themselves or members of their family should contact Wendell Roelofs, Entomology. All skill levels are accepted—from beginner to Kenny Bell. Participants only need to play once every two weeks to maintain a position on the ladder.

PESTICIDE SAFETY SEMINAR ADDRESSES CURRENT ISSUES

About 70 certified pesticide applicators from the Station attended the annual Pesticide Safety Seminar on Thursday, April 12 in the Jordan Hall Auditorium. Arranging the program was William Smith (shown in photograph) from Cornell's Chemicals-Pesticides program. Reviewed during the meeting were proper procedures for triple rinsing containers and pressure rinsing techniques. Gayle Mortimer from the Avon office of the Department of Environmental Conservation spoke about the latest state regulations that should be of concern to applicators. Also on the program was Dr. Robert George, Department of Agriculture and Markets, who discussed both field and laboratory monitoring of pesticide residues.



SEMINARS

PLANT PATHOLOGY

Date: Monday, April 23
Time: 3:00 pm
Place: A-133, Barton Lab
Speaker: Dr. Ronald Mau
 Dept of Entomology
 University of Hawaii, Honolulu
Topic: A multidisciplinary approach to control tomato spotted wilt virus in lettuce and tomatoes

Date: Wednesday, April 25
Time: 3:00 pm
Place: Room A-133, Barton Lab
Speaker: Hui Liang Wang
Topic: Biological and serological properties of zucchini yellow mosaic virus and its control by cross protection

FOOD SCIENCE

Date: Thursday, April 26
Time: 3:30 pm
Place: Food Science Conference Room
Speaker: Erik Olsen
 Cornell Graduate Student
Topic: Malic acid transport in *Lactobacillus plantarum*

ENTOMOLOGY

Date: Thursday, April 26
Time: 3:30 pm
Place: Room 310, Barton Lab
Speaker: Roxanne Broadway
Topic: Cabbage proteinase inhibitors: A potent phytochemical defense against herbivorous Lepidoptera.

HOWARD CASASANTA RETIRES



Since November 1973, Howard Casasanta has been a mainstay in the machine shop on the ground floor of the Food Research Laboratory. Through the years, he has built from scratch hundreds of items both large and small to help keep various equipment operational, especially in the pilot plant. Howard

also helped many people at the Station since this facility was always considered part of the entire Station and not confined strictly to the needs of Food Science and Technology. Howard is now retired, his last day of work being April 11. Members of the Food Science and Technology department threw him one of their infamous parties and presented him with numerous gifts. Howard is shown in the photograph inspecting one of the suspect gifts he received. Bob Kime is making the presentation. His real gift, though, was a sack of quarters that he can use the next time he goes to Atlantic City, New Jersey. Congratulations, Howard, on your many years of service, and may you have a wonderful retirement.

RACKETBALL LADDER

No matches played 4/12-4/18. Play-off matches begin 4/19/90

362	Walter Wolf
246	Chris Hayes
251	Matt Lewis
265	Ed Woodams
340	Scott Demmin
390	Phil Forsline
246	Gary Harman
209	Joe Kovach
315	Tom Burr
206	Curt Petzoldt
390	Jim McFerson

Report playing results to Matt Lewis, x251.

CLASSIFIEDS

FOR RENT: Four-bedroom furnished house near Station. July 1 to December 31, 1990. Call 789-4571 evenings.

FOR SALE: Upright piano made by Lindeman. Good condition. Asking \$400. Call 548-5125.