



STATION NEWS

A House Organ for Station Employees
Not for Publication Without Consent

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New York State Agricultural Experiment Station, Geneva

COVER PICTURE

Mixing soil in the headhouse of the old greenhouse range.

MIKE DICKSON BACK FROM SABBATICAL

We welcome back Mike Dickson, Seed and Vegetable Sciences, and his lovely family from a 6-month sabbatical spent in Australia. Mike was headquartered at the Biological and Chemical Research Institute which is part of the New South Wales Department of Agriculture. The Institute is located at Rydalmere, a suburb of Sydney. Mike was particularly concerned with studying seed quality and was quite impressed with the fine research program in Australia. He had an opportunity to travel a great deal and

saw most of the research programs and production problems that are being studied in the entire country. He was also able to initiate some studies on rhizobium, an organism that picks up nitrogen from the air. Mike, Jean, and their daughters took hundreds of pictures and report many interesting experiences.

ANWAR KHAN ON SABBATICAL LEAVE

Anwar Khan, Seed and Vegetable Sciences, is spending 6 months, mid-May to mid-November, in the Department of Plant Physiology at the Agricultural University at Wageningen, Holland. Anwar will collaborate with Dutch scientists in studying the effects of various hormones on performance of seeds under stress conditions. Also, he plans to travel to several research institutes in Europe to

discuss research in seed biochemistry and physiology.

JIM HUNTER ON ASSIGNMENT

Jim Hunter, Plant Pathology, served as a consultant in Kenya for the month of April. Working with a four-man team, he reviewed the Food Crops Research project that has been sponsored by the Agency for International Development (A.I.D.) for the past 3 years. Jim recommended a revision and 5-year extension of the project to develop cropping systems for the marginal rainfall area of Kenya.

MEETINGS AND SEMINARS

The Processed Fruit and Vegetable Advisory Council met on May 2 with members of the Food Science and Technology Department faculty. Programs featured for discussion were Andy Rao's energy utilization work, Jim Moyer's interests in thermal processing, and Don Splittstoesser's work with microorganism contaminants in frozen vegetables. Hugh Hill of Curtice-Burns was elected chairman of the Industry group.

On May 12, Willard Robinson, Food Science, spoke to the Association of American Newspaper Food Editors on the Experiment Station's relation to the New York wine industry. The editors met in Ithaca for a 2-day meeting with Human Ecology personnel, followed by a tour of the Hammondsport wine country.

The Advisory Council to Cornell's Institute of Food Science met at Geneva on May 23-24 to discuss the Food Science Extension program at Ithaca and Geneva. Director David Call was the dinner speaker at the Rod and Gun Club. About 40 members of the Council and Cornell faculty attended.

Audrey Gardner, Food Science, attended the Association of Official Analytical Chemists workshop in Atlanta, Georgia from April 30 to May 3.

Ross Hackler, Food Science, visited Keystone, Colorado on May 22-26 to participate in the conference, "Soy Protein and Human Nutrition."

Yasuo Mikami, Food Science, visited New York City on May 19-21 to meet with a representative of his company—the Nisshin Oil Mills Ltd. in Japan.

Carl Pederson, John Stamer, and Keith Steinkraus, Food Science, lectured to the Nutrition Extension agents in Ithaca on May 3.

Bob Shallenberger, Food Science, visited the Organic Chemical Division of Pfizer Inc. in Groton, Connecticut May 17-20 and presented a seminar on chiral recognition. He also consulted on food processing problems at the Shelter Island Oyster Co. in Greenport, Long Island.

Don Splittstoesser and John Bourke, also Food Science, attended the Central Atlantic States Association of Food and Drug Officials meeting held in Ellenville, New York on May 24-27. John presented a lecture at this meeting.

Keith Steinkraus presented a seminar at the Department of Microbiology, Ohio State University, Columbus on May 10 on the "Control of Microbiology to World Feeding Program."

Nelson Shaulis, Bob Pool, Walt Kender, Gary Howard, and Keith Kimball, Pomology and Viticulture; Jim Tette and John Leeper, Entomology; Tom Burr and Roger Pearson, Plant Pathology, attended the Finger Lakes Grape Fieldmen meeting in Penn Yan on May 2.

Nelson Shaulis and Bob Musselman, also Pomology and Viticulture, attended an air pollution related research planning conference in Dunkirk, New York on May 16-17 to discuss a joint project with Niagara-Mohawk Power Corp., the Public Service Commission, the Department of Environmental Conservation, and the New York Grape Production Research Fund, Inc.

Bob Musselman attended the Public Meeting on Acid Precipitation in Lake Placid on May 4-5.

On May 4, Dr. William E. Fry, Associate Professor, Plant Pathology, Ithaca, presented a seminar on integrated

management of potato pests to his colleagues here at Geneva.

George Abawi, Plant Pathology, participated in a northeastern vegetable specialists meeting associated with the National Agricultural Pesticide Impact Assessment Program held in Washington, D. C. on May 18.

John Gilpatrick, Plant Pathology, and Ed Glass, Entomology, traveled to Michigan on May 11-12 to attend a Deciduous Tree Fruits Agroecosystem Session of an overall study entitled, "Alternative Pest Management Strategies in Food Production." The study is sponsored by the Office of Technology Assessment (O.T.A.), an advisory arm of the United States Congress. John is one of three scientists assigned to prepare the report on tree fruits for O.T.A., while Ed is the national technical advisor to the study on all crops and will prepare the overall report.

Dr. C. L. Niblett, an associate professor in the Plant Pathology Department at Kansas State University, presented a Plant Pathology seminar entitled, "Viroids—The State of the Art" on May 11. Chuck is presently on sabbatical leave from Kansas State and is working in Milton Zaitlin's lab on the Ithaca campus.

Des Dolan, Plant Introduction, attended the National Plant Germplasm Committee meeting at Boulder, Colorado on May 4-5.

Ed Glass, Entomology, was in Lima, Peru May 15-24 to participate in an AID sponsored short course on Integrated Pest Control.

Bill Bowers, Entomology, was in St. Louis, Missouri May 15-17 to present a talk to the Society of American Oil Chemists. He has also taken some "short" trips for O.T.A. meetings.

Chand Watve, Entomology, was in Burlington, Vermont and Durham, New Hampshire May 9-11 on IR-4 business.

VISITORS

On May 11, the Cornell Pomology Club came to the Station for its annual tour of facilities and fruit research plantings. The Department of Pomology and Viticulture served as host.

Fruit growers from Germany toured the Pomology and Viticulture research facilities on May 23. Pat Krauss, Publications; Walt Kender, Roger Way, Bob Pool, and Jim Cummins, Pomology and Viticulture, were hosts.

Mr. and Mrs. Simcha Ziv from Israel visited Nelson Shaulis on May 23 and 24. They discussed new grape vine training systems which have been evaluated in Israel.

Grace Chee and James Moody of the General Foods Corporation Central Research Division visited the Department of Food Science and Technology on May 23 to discuss the possibility of financing fermentation research in Keith Steinkraus' laboratory.

On May 25, Arthur Stier and Joanne Sibner from The Farm in Summertown, Tennessee visited Keith Steinkraus to obtain information on the establishment of a commercial tempeh factory.

RETIREMENTS

Two employees with a total of 56 years of loyal service in the Department of Seed and Vegetable Sciences and one of its predecessors, the Department of Vegetable Crops, retired in May.

Erv Jensen started in July 1944 and for many years served as farm foreman at the old *Canning Crops* Research Farm on Preemption Road. In recent years, he accepted expanded responsibilities in the tomato and cucurbit breeding programs helping Dick Robinson in the varied work involved in these projects. Unfortunately, Erv was hospitalized for several weeks just prior to his retirement, but he now is making an excellent recovery. He has many hobbies to keep him busy in his retirement, including gardening and collecting stamps, old bottles, clocks, Indian

arrowheads, and steam engines. He will spend a lot of time at his camp in the Adirondacks, and he will continue to make very palatable wine each year!

Harold Bremer started work at the Experiment Station in 1956. Until he injured his back, he was responsible for much of the tractor work at the old Canning Crop and the new Vegetable Research farms. In recent years he has served as a general handyman, doing all sorts of odd jobs for the Department. Harold's hobby is growing plants, and he plans to spend most of his time working in his garden in the summer and in his greenhouse in the winter. He also plans to travel, visiting his children and grandchildren.

Congratulations to both of these men for their years of service, and best wishes from all of us at the Experiment Station for many years of happy and healthy retirement.

APPOINTMENTS

Helmuth Reinhardt was appointed Chief of Plant Operations in Buildings and Properties on May 4.

Michael Sarette joined Jim Tette's group in Entomology as Systems Programmer II. He will be responsible for the computer aspects of the Pest Management program. Mike is living in Anwar Khan's house on Castle Street while the Khans are away.

David Lasher was appointed Design Engineer II in Buildings and Properties effective May 18.

Linda Lechner is the new Research Technician III in the Department of Food Science and Technology.

John Curtin has been employed as a Painter Helper in Buildings and Properties.

George Moriarty has transferred from Buildings and Properties to the Department of Seed and Vegetable Sciences.

RESIGNATIONS

Jon Corser, who worked for Jim Tette, has left Entomology and has accepted a position as farm manager in Niagara County.

John F. Kenny left the Department of Food Science on May 12. After relaxing during the summer in Europe, he plans to settle in Las Vegas.

SUMMER HELP

Entomology—Ralph Aten, Laurie Gugino, Sherry Angell, James Gogg, Nancy Christensen, Laurie Suppes, Laurie LeClaire, Leonard Kahn, Elizabeth Beers, Laura Hansen, Deborah Martindale, Maura Sherry; Plant Introduction—Bob Hey, Karen Lang, Beth Robertson, Jill Calabrese, Jeanne von Bargaen; Pomology and Viticulture—David Powell and Amy Keller; Plant Pathology—Chuck Brodel, Bill Roberts, Bob Gilpatrick, John Strawway, Dave Vallette.

SPECIAL NOTICE

What To Do In Case of Fire!

In case of fire, the following procedures should be followed:

- (1) Pull handle at fire alarm station.
- (2) Call the Geneva Fire Department at 9-789-2121.
- (3) Evacuate building.
- (4) In evacuating buildings, use nearest exit and always use stairwells. **Do not** use elevators.

NOTES OF INTEREST

David Soderlund, Entomology, visited Mobil Chemical Company in Edison, New Jersey on May 9.

We bid adieu to Dr. Ian Murfet and his wife, Barbara. Ian, Reader in Botany at the University of Tasmania, has spent several months as a Visiting Fellow in Seed and Vegetable

Sciences working with Gerry Marx in a collaborative study of the genetics and physiology of flowering in peas.

HEALTH

Plant Pathology is pleased to have Dave Hummer back on the job after his recent illness of several weeks.

Dan Monaco, custodian in Jordan Hall, is recuperating at home after having major surgery in St. Joseph's Hospital in Syracuse. We all wish him a speedy recovery.

SYMPATHY

We extend our sympathies to Lois Brandt, Entomology, and her family on the death of her father. Lois' father died on May 5 of a heart attack.

STORK NEWS

Ring and Anja Carde, who worked for Wendell Roelofs, are proud parents of an 8 lb. 11 oz. boy, born May 19. His name is Christopher Andries. Ada Hill and Fran Wadhams, Entomology, visited the Cardes and Jim Millers a short time ago at Michigan State.

CLASSIFIED

Lost—on campus. Key ring with green Aquarius fob, approximately 1 dozen keys. If found, please call 2218, Gordon Lowery, Seed and Vegetable Sciences.

WEATHER

	Max.	Min.	Rain, Melted Snow, etc.	Snow Sleet Hail	Snow, Sleet, Hail, Ice on gnd. (inches)
May	1	42	27		
	2	42	30	tr.	tr.
	3	50	36		
	4	56	29		
	5	53	40	.22	
	6	44	40	.47	
	7	51	42	.03	
	8	56	40		
	9	56	49	.41	
	10	70	47	.04	
	11	56	37	.tr	
	12	69	49	.01	
	13	69	56	.10	
	14	63	56	.10	
	15	61	51	.07	
	16	63	48	.12	
	17	60	50	.36	
	18	62	47	.01	
	19	64	48	tr.	
	20	79	57		
	21	81	49	.15	
	22	61	46		
	23	72	47		
	24	79	57		
	25	75	51		
	26	80	55		
	27	86	56		
	28	86	58		
	29	84	60		
	30	85	60		
	31	87	64		

June 1, 1978

GUIDELINES FOR USE OF RECREATION FACILITY

1. Use of and policies concerning the Recreation Facility will be governed by a Recreation Facility Policy Board (RFPB) consisting of 5 members - 2 being elected each year at the Station Club election time. One member will be from Administration and will be a permanent member. Station Club Secretary will be Secretary to the Policy Board and will act as an alternate with a vote if a member of the Board is absent.
2. Use of the facility will be by reservation through the Station Club Secretary. A \$10.00 deposit for use of the facility will be required and is payable at the time reservations are made. The \$10.00 will be refunded after the scheduled event if the facility has been cleaned up and cared for to the satisfaction of the Policy Board and providing there are no damages to the Facility or to the equipment. All reservations must be respected. Planning ahead is essential. Reservations for individual family functions may be made 3 weeks ahead of time. All other reservations are expected to be made as far ahead of the requested use as possible. The only exceptions to the reservation and deposit requirements will be small impromptu events such as small family picnics, lunch hour use, etc.
3. If the activity you are holding is a small group, i.e., under 15 people, you can reserve only half of the pavilion. But you must understand that the other half may also have been reserved by another small group. The full \$10.00 deposit will be required whether you are reserving half or all of the facility.
4. Every group using the facility will be responsible for preparation and clean-up. Preparation includes checking to see that all trash cans to be used have plastic liners (which are kept in the equipment box). The pavilion, the surrounding grounds, and the field must be cleaned up after use. Trash bags should be tied but left in the cans with the lids securely on. Don't overfill bags. The cans should be left in a group at the east end of the pavilion for trash pick-up. Don't take bags out of cans - dogs may rip them open. Tables and floor must be thoroughly washed down with a hose. If food is allowed to dry on, tables must be scrubbed off. If the mobile posts are used for volleyball or badminton, they must be rolled back off the grass; otherwise, grass will be killed. Courtesy in cleaning and maintaining the facilities is a must.
5. NO OUTSIDE ORGANIZATIONS MAY USE THE FACILITY. This is a Cornell University and Station Club Recreation Facility and will be used only by station employees and for departmental activities, official research or extension functions of the Station. The Station Club Secretary will act as a recorder for reservations and a general coordinator. The Secretary is not a policy maker and all decisions on policy will be made by the Policy Board. The Secretary will refer all policy questions to the Board.

6. If there are any abuses of the recreation facility, the responsible individual may possibly lose his/her reservation rights. This includes abuse of reservation policies as set forth in these guidelines as well as of the physical facility:
 - A. Improper and/or incomplete clean-up.
 - B. Damage to equipment or structure.
 - C. Misrepresentation of reservation purpose.
7. The softball field will be considered separately from the pavilion and reservations for it must be made at the time the pavilion is reserved if you expect to use them both.
8. Scheduled use of the area will be published weekly in the Calendar of Events.
9. Jordan Hall rest room facilities will be available for use. When reservations are made, Station Security Personnel will be notified to leave north entrance door of Jordan Hall unlocked. It is the responsibility of the person making reservations to police use of Jordan Hall and to prevent people from running around inside the building and to see that rest room facilities are not abused.
10. Sports equipment is presently stored in a locked box at the Facility. The key for this box must be signed out from the Heating Plant just prior to use and returned immediately afterwards. The schedule of reservations for use of the pavilion, field and equipment will be posted with the sign-out sheet and must be respected by "spur-of-the-moment" users. Lost or damaged sports equipment must be replaced by the individual signing out the key. Sports equipment cannot be taken off station grounds. Barbeque equipment comes under the same regulations. Future plans provide for building a storage facility at the recreation site for storing this equipment: until this can be done, the locked box is being used.
11. Station Security Personnel will be asked to police the area at all times. Intruders will be instructed to leave the area.

Station Calendar

FOR WEEK OF MAY 7, 1978



CALENDAR OF EVENTS

- May 9—10:30 a.m.—348 Morrison Hall Seminar Room, Ithaca—Department Heads Meeting
9—2:00 p.m.—Tour, Retired Citizens of Lyons
10—2:00 p.m.—Tour, Tonawanda Women's Club
10—4:00 p.m.—Conference Room, Food Research Laboratory—Food Science Seminar
10—6:00 p.m.—Town Pump Restaurant, Orleans—Vegetable Agri-Business Meeting
10—7:00 p.m.—Staff Room, Jordan Hall—Finger Lakes Stamp Club
~~11—8:30 a.m.—Conference Room, Food Research Laboratory—Wine Industry Workshop~~
11—9:00 a.m.—Tour, Community College of the Finger Lakes Liberal Arts Students
11—3:00 p.m.—Room A133, Entomology-Plant Pathology Laboratory—Plant Pathology Seminar
12—8:30 a.m.—Tour, Community College of the Finger Lakes Liberal Arts Students

NOTICE

Sign-out sheets for use of sports equipment stored at Recreation Pavilion are in Heating Plant with key. Please sign out the key for all use, including noon hours. Reservations for recreation facility—call Sue Dwyer, 787-2228.



FOOD SCIENCE SEMINAR

Wednesday, May 10, 1978 - 4:00 PM
Conference Room, Food Research Laboratory

TOPIC: Directions in Computing at Geneva
Dr. John Barnard
Computer Services
Geneva

PLANT PATHOLOGY SEMINAR

Thursday, May 11, 1978 - 3:00 PM
Room A133
Entomology-Plant Pathology Laboratory

TOPIC: Viroids - The State of the Art
Dr. C. L. Niblett
Associate Professor
Department of Plant Pathology
Kansas State University
Manhattan, Kansas

Viroids are the smallest known pathogens. They are composed of RNA (100,000 daltons) and exist in infected cells as free, unencapsidated RNA. Six different viroids have been characterized, and there is putative evidence for others. The best characterized viroid is potato spindle tuber viroid (PSTV). The existence of strains of PSTV and finding new hosts for other viroids have permitted a study of the mechanism of cross protection and determination of the relationships among four of the viroids. The mechanisms by which viroids replicate and alter host cells remains unknown.

Station Calendar

FOR WEEK OF MAY 14, 1978



CALENDAR OF EVENTS

May 15—8:15 a.m.—Tour, Botany Students, Keuka College
16—11:00 a.m.—348 Morrison Hall Seminar Room, Ithaca—Department Heads Meeting
17—4:00 p.m.—Conference Room, Food Research Laboratory—Food Science Seminar
19—10:15 a.m.—Tour, Canandaigua Academy Senior Class

FOOD SCIENCE SEMINAR

Wednesday, May 17, 1978—4:00 P.M.

Conference Room, Food Research Laboratory

TOPIC: The effect of maturity, variety, and processing on the geosmin content of beets or how to make ones borscht taste better.

Lucia DeGroot Tyler
Grad Student
Department of Food Science and Technology
Geneva

ATTENTION—GREENHOUSE SOIL USERS

The Greenhouse and Grounds Committee met and recommends the following:

A. There will be two standard greenhouse potting mixes

available. The first (approx. 70 yd³ per year) will be a 1:1 Spagnum peat:vermiculite mix with fritted trace elements as suggested by Ray Sheldrake in his seminar. This mix would **not** be pasturized. The second (approx. 30 yd³ per year) will be a sandy loam, flame pasturized soil. Non-pasturized supplies will be available for individuals who do not wish to use flame pasturization.

B. A source for a sandy loam soil will be sought by a sub-committee chaired by George Abawi, and including Haruo Tashiro, Don Ourecky, and Gary Harman. PLEASE NOTIFY GEORGE OR OTHER COMMITTEE MEMBERS IF YOU KNOW OF A SOURCE OF SANDY LOAM SOIL THAT IS AVAILABLE.

C. Fertilization of either the Sheldrake mix or other planting medium would be up to each principal investigator; no central supply would be furnished.

D. Major costs for the change envisioned here would be the purchase of the sandy loam soil and a machine to mix the Sheldrake mix; one such machine costs \$8,000-10,000 depending on capacity. Adequate mixing seems a necessity to adequately distribute the trace elements. The source for these dollars has not yet been determined.

IF YOU HAVE COMMENTS ON THESE SUGGESTIONS, EITHER PRO OR CON, SEND THEM IN WRITING TO G. E. HARMAN BEFORE MAY 31.

Station Calendar

FOR WEEK OF MAY 21, 1978



CALENDAR OF EVENTS

- May 22—6:30 p.m.—Village Inn, northwest corner Rtes. 104 and 98, (approx. 3 mi. north of Albion)—Agri-Business Meeting
- 23—3:30 p.m.—Tour, German Nurserymen
- 24—8:30 a.m.—Conference Room, Food Research Laboratory—Institute of Food Science Advisory Council Meeting
- 24—7:00 p.m.—Staff Room, Jordan Hall—Finger Lakes Stamp Club

NOTICE

Would anyone who has one or more red pails with a VC brand please return them to Seed and Vegetable Sciences, Hedrick Hall, or call Fran Van Kirk, 2216, and let her know where they can be picked up. Thanks!

FREE

Lovable female mackerel tabby kitten, 7 weeks old, litter trained. Contact Stan Shannon, 787-2224.

Station Calendar

FOR WEEK OF MAY 28, 1978



CALENDAR OF EVENTS

May 29—Memorial Day Holiday
31—4:00 p.m.—Conference Room, Food Research
Laboratory—Food Science Seminar

FOOD SCIENCE SEMINAR

WEDNESDAY, MAY 31, 1978 - 4:00 P.M.
Conference Room, Food Research Laboratory

TOPIC: Evaluation of methods for increasing product
solids in canned, solid-pack squash or pumpkin

Professor R. L. LaBelle
Department of Food Science and Technology
Geneva