

STATION NEWS



"INDIAN SUMMER" A TIME FER JIST RELAXIN—

A House Organ for Station Employees
Not for Publication Without Consent

Volume 88, No. 8
August 31, 1974

.....

New York State Agricultural Experiment Station, Geneva

.....

CALENDAR OF EVENTS

- September 6—3:30 p.m.—Lounge, Jordan Hall—Service Pin Awards
- 9—4:00 p.m.—Staff Room, Jordan Hall—Seed and Vegetable Sciences Department Meeting
- 9—7:45 p.m.—Staff Room, Jordan Hall—Women for the Survival of Agriculture
- 9—2:00 p.m.—Tour, Japanese Fruit Growers
- 13—7:30 p.m.—Staff Room, Jordan Hall—Finger Lakes Astronomy Club
- 16—8:00 p.m.—Staff Room, Jordan Hall—Iroquois English Setter Kennel Club
- 18—7:30 p.m.—Staff Room, Conference Room, and Lounge, Jordan Hall—Keseca Boy Scouts
- 19—10:00 a.m.—Jordan Hall—New York State Fruit Testing Cooperative Association Meeting
- 25—7:30 p.m.—Staff and Conference Rooms, Jordan Hall—Finger Lakes Stamp Club
- 27—9:00 a.m.—Staff Room, Jordan Hall—Cooperative Extension, Expanded Nutrition Education Program

JOHN CAIN RECEIVES AWARD

Dr. John C. Cain, Professor Emeritus of Pomology, received the Stark Award at the annual meeting of the

American Society for Horticultural Science August 14.

This award is given to the individual who publishes the best paper in the Society's journal during the year on improving the quality, performance, and longevity of fruit trees. The award was established in 1964 for recognition of research related to fruit tree decline. It includes a \$200 stipend, a medal for each author, and a certificate provided by the Society. Donor of the award is Stark Brothers Nurseries and Orchards Company, Louisiana, Missouri.

Dr. Cain retired from the Experiment Station June 30, 1973 after being associated with Cornell University since 1940 and with the Geneva Station since 1946 after completing his Ph.D. requirements. Throughout his career, Dr. Cain became widely known for his contributions in the field of plant nutrition. His studies demonstrating nutrient uptake and interactions in fruit plants have been universally recognized by other scientists.

In the latter years of his professional career, Dr. Cain spent considerable time on mechanical pruning and harvesting of trees and orchard and tree design. His research in this area led the way to changes made in the industry concerning planting, growing, and harvesting tree fruits. He has authored more than 70 scientific articles in his field of fruit nutrition, mechanical harvesting and pruning, and orchard design.

In 1972, Dr. Cain was elected a Fellow of the American Society for Horticultural Science, a distinguished honor bestowed on only 15 scientists each year from a membership in the Society of more than 3,200 persons.

Dr. Cain has also been asked to consult on fruit problems

with a number of foreign countries. In 1954-55, he served as a horticultural advisor to the Catholic University in Santiago, Chile, and in 1964, as a consultant at the Inter-American Institute for Agricultural Science in Turrialba, Costa Rica.

OPEN HOUSE HELD

A highly successful Open House with more than 300 persons attending was held at the Station's Vineyard Laboratory at Fredonia August 27 and 28.

Largely responsible for the excellent tours arranged for the people was Nelson Shaulis, Pomology and Viticulture, assisted by Fred Taschenberg, Entomology, who is stationed at the Vineyard Laboratory. Other researchers participating in the demonstrations were Robert Pool and Donald Crowe. Several others from the Departments of Entomology and Plant Pathology were on hand for the occasion.

Projects illustrated during the 2 days were variety selection, training system analysis, pruning system analysis, pruning trials, row and vine spacing trials, shoot positioning, mechanization of pruning, herbicide trials, use of sex attractants for biological control of grape berry moth, insecticide trials, ozone injury to grape leaves, and numerous other topics.

An Open House is held at the Laboratory at intervals of 5 years. Each of the visitors had three tours of the Laboratory's research during a half-day visit. The entire program was presented on each of four, half-days.

Director Barton, Dean Kennedy, as well as groups of growers from the Finger Lakes, Lake Ontario area, Hudson Valley area, Pennsylvania, Ohio, and Ontario, Canada joined with the Chautauqua-Erie growers in this Open House.

NCA COMMITTEE VISITS

We were most pleased to host a visit to the Station by members of the National Canners Association Agricultural Research Advisory Committee August 20-21. This committee, interested primarily in the raw product aspects of the processing industry, had concentrated sessions with entomologists, plant pathologists, and vegetable crops specialists. The last time the group was at the Station was in 1963.

KUDOS TO GEORGE SLATE

The Northern Nut Growers Association presented its 1974 Merit Award to Professor Emeritus George Slate (Pomology and Viticulture) for outstanding contributions to nut culture. This award was presented to him at its annual banquet at St. Catharines Island, Ontario.

Don Ourecky and Jack Reich, Pomology and Viticulture, accompanied George to the meeting. Don presented a paper entitled, Rounding Out the Planting, concerned with the planting of many minor fruits in home gardens.

APPOINTMENTS

Two new employees in Seed and Vegetable Sciences are Gloria Blue, a lab assistant working for Ben Clark, and Joseph Shail, an experimentalist who will be helping Gerry Marx. Joseph received his B.A. degree in biology from Western Connecticut State College, Danbury, and his M.A. degree from State University College, Geneseo.

Robert C. Miller was appointed research specialist in the Food Science and Technology Department effective August 15. He is a chemical engineer, a graduate of the Newark College of Engineering in New Jersey, and has had commercial experience with the American Chicle Company and the Nabisco Corporation. He will be working with Jim Moyer in the pilot plant.

Joan Pieczarka was appointed a stenographer in the

Food Science and Technology Department on July 25. She is working in Joanne Whitcombe's laboratory and the administrative offices. Her husband, David, is pursuing his Ph.D. degree in plant pathology under the direction of George Abawi.

Priscilla Seymour and Catherine Herrick are new lab assistants in the Department of Entomology. Priscilla will be working for Sandy Davis and Catherine for Wendy Roelofs.

Gail Galbraith was appointed chemical analyst in Plant Pathology on August 29. She received her B.A. degree in biology from Syracuse University and is expecting to receive her Master's from State University College, Geneseo in chemistry in January 1975.

New graduate research assistants at the Station are Crystal Willis, a recent graduate of Utah State University, in the Plant Pathology Department under George Abawi; Richard Nelson in the Department of Food Science and Technology; and Thomas Stasz, Seed and Vegetable Sciences Department, under Gary Harman.

HEALTH REPORTS

Bernadette D'Amico is now at home recuperating. She wants us to convey her thanks to everyone for all the lovely cards and notes she has received. She also is very appreciative of the visitors she had while she was at Strong Memorial Hospital, Rochester.

We welcome Barbara Dunham back to work in the Seed and Vegetable Sciences Department after a long illness.

WEDDING

Our best wishes to Betty Truesdale, Plant Pathology, and Russel R. Bixler who were married August 17.

BIRTHS

Congratulations to Fran and Gordon Lowery, Jr., Seed and Vegetable Sciences, on the birth of a son, Samuel Gordon.

We also congratulate Kathy and Bud Poole, Entomology, on the birth of Melissa Ann on August 22.

And, congratulations to Mr. and Mrs. Randolph Gardner who are the parents of a baby girl born August 27. Randy is a graduate student in Pomology and Viticulture and works with Jim Cummins.

WINE INDUSTRY MEETING HELD

The annual research meeting for the New York Wine Industry was held August 20 in Jordan Hall with approximately 80 attendees from seven states and Ontario, Canada.

Research subjects included: Methanol in Wine and Its Significance by Jerry Van Buren, Gil Stoewsand, and C. Y. Lee; Mechanical Harvester-induced Yield Losses by Nelson Shaulis; Color Measurement and Prediction by Jerry Van Buren; Alcohol Determination, a joint presentation by Len Mattick and George Pilgrim, the latter from Fredonia Products Corp.; A Microbiological Method for Lactic Acid Determination by John Stamer; and Pasteurization Studies by Don Splittstoesser.

Don Downing reported to the industry on his spring workshop for winery technicians. He also chaired a panel of small winemakers on the subject of problems encountered in operating a small winery.

Dr. Tibor Fuleki of the Vineland Station in Ontario reported on his fermentation studies using the carbonic maceration technique. Dr. John Scarf, consultant to the cork and closure industry, discussed cork manufacture and quality control. John Kinsella of the Ithaca Food Science Department discussed the quality and availability of grape seed oil as a possible by-product of the wine industry.

Examples of red and white wines produced by Joe Bertino were served with the lunch and favorably received.

MEETINGS

Sandy Davis, Chuck Eckenrode, and Dick Straub, Entomology, attended the Michigan State Vegetable Field Day and Muckland Pesticide Trials at St. Joseph, Michigan August 4-7. They also conferred with vegetable research people in Michigan.

Y. D. Hang, Food Science, participated in the panel discussion at the International Symposium on Recent Advances in the Assessment of the Health Effects of Environmental Pollution held in Paris, France June 24-28.

On July 8-12, he attended and presented a paper at the Fourth International Symposium on Yeasts in Vienna, Austria. His paper was entitled, Production of Food Yeast from Acid Brine.

Malcolm Bourne, Andy Rao, Zeta Vickers, and Sonia da Silva, Food Science, attended the Advances in Food Texture Symposium held at the University of Guelph, Guelph, Ontario August 28, 29, and 30. Malcolm presented two lectures during the symposium, one on the texture of fruits and vegetables and another on the interpretation of instrumental texture measurements.

Director Clark attended the meeting of Northeast Directors July 9-12.

Morrie Vittum, Seed and Vegetable Sciences Department, attended the meeting of the Northeast Branch of the American Society of Agronomy in Durham, New Hampshire in July.

Bob Becker, Cooperative Extension, and Mike Dickson, Seed and Vegetable Sciences Department, took part in the meeting of the National Kraut Packers Association in Rochester July 24-25.

The summer meeting of the Empire State Soil Fertility Association was recently held in Geneva with arrangements made by Nathan Peck, Secretary-Treasurer. Bob Becker and Morrie Vittum attended from the Seed and Vegetable Sciences Department.

Bob Becker, Mike Dickson, Nathan Peck, and Morrie Vittum attended the American Society of Horticultural Science meetings in Guelph, Ontario August 12-14. Several members of the Pomology and Viticulture Department also attended these meetings: Jim Cummins, Otis Curtis, Bob Lamb, Robert Pool, Nelson Shaulis, Roger Way, Alan Lakso, Charlotte Pratt, Phil Forsline, and Don Ourecky. Jim Cummins presented a paper on the Geneva Apple Rootstock Breeding Program. Bob Lamb presented a paper on a Working Proposal for Malus Germ Plasm Repository. Preceding the meetings, Bob also attended the Peach Breeders Conference.

Dick Robinson, a plant breeder and geneticist in the Department of Seed and Vegetable Sciences, has been designated as a participant in the exchange scientist program of the National Academy of Sciences through cooperative arrangements with the Hungarian and Polish Academies of Science. Dick will spend the month of September in these countries visiting scientists who are cooperating with him in testing response of different cucurbits to powdery mildew disease. He will give several guest lectures and will attend meetings of the XIXth International Horticultural Congress in Warsaw.

Morrie Vittum and his wife, Wini, will also attend the International Horticultural Congress in Warsaw. At the Congress, Morrie will present two papers: Pheno-climatic Models of Lilac Development (co-authors Detheir, Hopp, and Knapp); and Effect of Fungicides and Fertilizers on the Incidence and Severity of Root Rot of Table Beets (co-author Abawi). Then, they will visit England before returning to the United States in early October.

Sam Braverman, Plant Introduction, attended the USDA/EEO Advisory Committee meeting in Orono, Maine on August 29.

Desmond Dolan and Sam will attend the USDA Supervisors Training Session at Ithaca on September 4-6.

Desmond Dolan will attend the meeting of the National Plant Germplasm Committee to be held in St. Louis, Missouri on September 26 and 27.

Gary Harman, Seed and Vegetable Sciences Department, recently returned from a visit with Frank Pflieger at the University of Minnesota and from the annual meeting of the American Phytopathological Society in Vancouver, British Columbia held August 10-15. At the APS meeting, Frank presented a paper co-authored with Gary entitled, Further Studies on Inhibition of Sporulation of Various Fungi by a Substance(s) from Dry Whole Pea Seeds. Gary presented a paper co-authored with Chuck Eckenrode entitled, Seed-borne and Soil-borne Microorganisms Stimulate Seedcorn Maggot Oviposition.

Attending the APS meeting from the Plant Pathology Department were Herb Aldwinckle, George Abawi, Jim Hunter, Lowry Massie, Roger Pearson, Jerry Uyemoto, and Dave Pieczarka.

Following the meeting, George Abawi and Jerry Uyemoto participated in the Nematology/Plant Pathology tour of California on August 16-18.

Jerry later attended the Society of Nematology meeting in Riverside, California.

Jim Cummins, Herb Aldwinckle, and Roger Pearson attended a special Collar Rot Conference at Summerland, British Columbia on August 16. This conference was sponsored by the apple and pear disease workers group, of which Herb is serving as secretary. Herb and Jim spoke on their work and observations at Geneva.



VISITORS

Mrs. Magaly Wetzel, a native of Brazil who is finishing her Ph.D. degree in the area of seed pathology at Mississippi State University, will be visiting Gary Harman's laboratory for about 3 weeks beginning September 2. While she is here, she will be learning new techniques and meeting other people in Cornell working in the area of seed pathology.

Visitors to Plant Introduction in August were Adjunct Professor Booker T. Whatley, Tuskegee Institute, Alabama on August 15-19 and Robert Doran of the National Arboretum, Washington, D. C.

Dr. Ian C. Murfet, Botany Department, University of Tasmania, Hobart, Tasmania, arrived this month to spend some time working on genetics of peas with Gerry Marx, Seed and Vegetable Sciences Department. He and his family will be living in Geza Hrazdina's house. Dr. Murfet is expected to be here through June 1975.

The Plant Introduction Coordinators from the North Central, Western, and Southern Regions visited Desmond Dolan on June 11.

Approximately 30 processing vegetable industry representatives and Cornell research and extension specialists toured vegetable field research plots at the Robbins and Vegetable Research Farms June 12. The program was organized by Bob Becker and included contributions from George Abawi, Stanley Anderson of Comstock Foods, Nathan Peck, Stan Shannon, and Morrie Vittum.

Dr. Zbigniew Borecki, plant pathologist at the Institute of Pomology, Skierniewice, Poland, recently visited the Plant Pathology Department and discussed fruit pathology problems with Herb Aldwinckle, Al Braun, John Gilpatrick, and Mike Szkolnik.

Bill Watson, research horticulturist with Gerber Foods, conferred with Jim Cummins, Pomology and Viticulture, on rootstocks and high density plantings August 21.

John Traas, a distinguished rootstock nurseryman from British Columbia, visited with Dick Norton at Rochester on August 26, and then both came to the Station to review Jim Cummins' work.

NOTES OF INTEREST

The Food Science and Technology Department held a picnic at the Seneca Lake State Park on August 2. Approximately 100 staff members, summer employees, spouses, and friends of the department enjoyed an evening of eating and visiting. The main entree was grilled hot dogs accompanied by Bob LaBelle's baked beans (both maple syrup-flavored and apple cider-flavored), and an extensive salad bar prepared by Joanne Whitcombe. Beer and watermelon added to the evening's enjoyment.

Sonia da Silva, food specialist from the Instituto de Tecnologia de Alimentos in Campinas, Brazil, is presently doing research in the laboratory of Malcolm Bourne, Food Science. Miss da Silva has a B.S. degree in agronomy and will be doing research on food texture for the next 3 months.

Several students have helped with the field and greenhouse work in the Seed and Vegetable Sciences Department this summer, including David Petrie, Allen Withiam, Betsy Lamb, and John Mishanec. We wish them luck with their continued studies this fall.

Lloyd Mielke, who earned his M.S. degree while working in the Department of Seed and Vegetable Sciences for Nathan Peck, has been awarded his Ph.D. degree in soils at the University of Nebraska.

George Abawi, Jim Hunter, and Dave Pieczarka, Plant Pathology, met with several nematologists at the Experiment Station at Vineland, Ontario on July 9 and 10 to review research on root diseases. They also observed the facilities there for conducting root disease studies in microplots.

Jim Cummins, Pomology and Viticulture, spent 3 days in the Okanogan Valley, British Columbia, studying high density orchard systems and apple rootstock interactions with Ted Swales.

Mike Montgomery has accepted a position at the Ohio Agricultural Research and Development Center, Wooster, Ohio. He will be working on aphid alarm pheromones. Mike has been working in our Entomology Department.

GENEVA JOB OPPORTUNITIES

Laboratory Mechanic 1 (NP-9)—Food Science and Technology

CLASSIFIEDS

Found—A set of Ford keys in Vineyard 22. Owner may have same by contacting the Business Office.

For Rent—1/2 duplex house on South Main Street. Unfurnished. 2 bedrooms. For further information, call Sue Dwyer, Pomology and Viticulture.

For Sale—Chaparral 80 cc minicycle. 1972. Very good condition. \$225. Dale Becker 315-584-6659 (Rushville).

		WEATHER		
		Max.	Min.	Rain
August	1	77	57	tr.
	2	73	58	
	3	85	65	
	4	79	67	.20
	5	77	59	1.00
	6	75	56	tr.
	7	78	55	
	8	79	55	
	9	81	62	.05
	10	77	56	
	11	78	58	
	12	79	59	
	13	78	63	.01
	14	87	59	
	15	74	54	
	16	76	53	
	17	85	63	.49
	18	85	62	.31
	19	80	58	
	20	83	58	1.31
	21	83	58	
	22	86	63	
	23	82	64	
	24	85	62	.05
	25	75	54	
	26	73	55	
	27	83	65	.07
	28	83	60	.80
	29	67	58	.28
	30	65	58	.31
	31	74	59	