



# 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Not for Publication Without Consent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

What is more breathtaking than a lovely young lady such as Ellen Charles, Seed and Vegetable Sciences, admiring a stand of White Trilliums in the Station's Darrow Woods on a beautiful spring day? Ellen is working in the Seed Laboratory, and we thank her for taking a few minutes to pose for this photograph.

## CALENDAR OF EVENTS FOR WEEK OF MAY 12, 1975

- May 12—9:30 a.m.—Staff Room, Jordan Hall—"Excel" Course
- 12—1:00 p.m.—Staff Room, Jordan Hall—"Excel" Course
- 12—10:00 a.m.—Field Trip, Cornell Undergraduate Students from the Food Science Department
- 13—3:30 p.m.—Staff Room, Jordan Hall—Geneva Faculty Meeting

14—7:30 p.m.—Staff Room, Jordan Hall—Finger Lakes Stamp Club

15—7:30 p.m.—Auditorium, Jordan Hall—Oswego River Basin Informational Meeting

16—6:30 p.m.—Jordan Hall—Ceres Circle Gourmet Dinner

## CERES CIRCLE NEWS

An interesting piece of history concerning the Geneva Agricultural Experiment Station came to light during Ceres Circle's April meeting. Barbara Bartos of the Geneva Historical Society, who presented a program on the early days of Geneva, read an excerpt from the New York Sun of 1887 (7 years after the State Legislature had passed a law establishing the Station):

"It is enough to make an earnest American despair of the future of democracy in America to see the ease with which a few men, hating to work for their own living and deter-



mined to live on the Government, succeeded in putting a law through our Legislature to set them up, with \$22,000 a year income, in the fraudulent business of conducting agricultural experiments to improve New York farming. From top to bottom, the bill, the Station, and its operations have been a fraud on our farmers and taxpayers.... In the name of New York's insulted farmers and in the name of good government, we demand of the Legislature to abolish the Geneva Agricultural Experiment Station. It is a humbug."

What brought chuckles to members that night was no laughing matter in 1887 as farmers joined the press in fault-finding. Fortunately, the Sun has been proven wrong and no farmer needs to be convinced of the value of the Experiment Station today.

Mrs. Bartos brought many photographs of the early layout of the city, its beautiful gardens, and houses. She acquainted members with the early importance of the city which served travelers of the Seneca Turnpike between Albany and the Niagara Frontier in the 1800's. While the hub of the city was Pulteney Park as laid out by the Pulteney Associates in the late 18th Century, the building of the canal caused the business district to develop along Exchange Street.

Mrs. Bartos pointed out many facts which surprised the newer residents—streetcars that travelled along Castle Street, a beautiful park at the lake, Mineral Springs...

The program ended with refreshments served by Mrs. Herb Aldwinckle and her committee.

Don't forget the Gourmet Dinner May 16. There will be no regular meeting in May.

### STATION CLUB RECREATION

The project is now making rapid progress. The field was finally seeded April 25 and looks very good. For this we have to thank the Field Committee (Dave Angell, Joe Petrone, Pete DeMaria, and Barry Smith) and all the others who helped out working up the ground, grading, picking up rocks, and seeding

The site for the pavilion has been selected and marked out, just north of the pine trees to the west of Jordan Hall. As of this writing the holes have been dug for the posts and construction will begin any day now. The Pavilion Committee is Barry Smith, Chairman; Dave Angell, Phil Crowe, Bruce LeClaire, and Joe Petrone.

At the moment the priorities are the field and the pavilion, but the committee is not neglecting the ancillary facilities. For example, the picnic tables are now being designed and ordered under the supervision of Joe Preczewski.

Nearly all the outstanding pledges are now in. If there are any still unpaid (or any new ones!), please get them to Rita Reissig as soon as possible.

The project has been an outstanding success so far. So many of us now have a real stake in it through our contributions of time, work, and money. But for the project to continue to prosper will require the continued support of everyone.

### CONGRATULATIONS

To David Pieczarka on successfully passing the examination for admission to doctoral candidacy in plant pathology on April 1. From now on Dave will be concentrating on completing his thesis research which concerns the determination of the population of the *Pythium* fungus in the soil and its role in the bean root rot complex. This complex disease is considered to be the major problem in bean production in New York State.

To George Abawi on his appointment to the Soil Microbiology Committee of the American Phytopathological Society.

### HEALTH

Alda Blamble has returned to work in the Seed and Vegetable Sciences Department after a brief hospitalization.

Fenton Carruth, Seed and Vegetable Sciences, would like to thank everyone for their cards and best wishes. Fenton is recuperating at home now from surgery.

George Slate, Pomology and Viticulture, continues to be a patient in Clifton Springs Hospital. He would appreciate short visits from his friends at the Station.

Dorothy Kline, Seed and Vegetable Sciences, is a patient at Strong Memorial Hospital, Rochester.

### WEDDING BELLS

We wish Gregory and Katherine Ann O'Riely Failing good luck and a very happy life together. They were married April 11 in St. Stephen's Church, Geneva. Kay is employed in our Department of Food Science and Technology, and Greg works for Gold Seal Vineyards, Hammondsport.

### STORK NEWS

Congratulations to Kathy and Harvey Hoch, Plant Pathology, on the birth of Brian Travis on April 22.

### SYMPATHY

We wish to extend the condolences of the entire Station staff to Rosario and Margaret Provvidenti, Plant Pathology. Margaret's mother and Rosario's uncle passed away recently.

### MEETINGS AND SEMINARS

The meeting of the Advisory Council for the New York State College of Agriculture and Life Sciences and the Agricultural Experiment Stations was held in Jordan Hall May 2-3. Reporting on research from Geneva were Director Barton, Chuck Eckenrode, Gary Harmon, Bill Bowers, and Nelson Shaulis, and Stan Shepardson from Ithaca

Des Dolan, Plant Introduction, attended two meetings in Beltsville, Maryland: on April 15, with the four Regional Coordinators and Germ Plasm Resources Laboratory staff, and the National Germ Plasm Committee on April 16-18.

George Abawi, Harvey Hoch, Jim Hunter, and Dave Pieczarka, Plant Pathology, attended the Fifth Eastern Conference on Root Infecting Microorganisms held at Michigan State University, East Lansing, April 6-8. George was elected to the steering committee of the group.

On April 11, Walt Kender, Jim Cummins, Otis Curtis, and Alan Lakso, Pomology and Viticulture, hosted pomologists, agricultural engineers, and economists for a meeting to coordinate research in high efficiency apple production systems. Dr. Arnold Berlage, USDA Agricultural Engineers from Wenatchee, Washington also attended and discussed related research in Washington.

Robert Pool, Pomology and Viticulture, spoke to grape growers and Extension personnel in the Middletown, New York area on April 25.

Sandy Davis, Entomology, attended a heptachlor defense meeting in Washington, D. C. April 1-3.

Bill Bowers, Entomology, spoke on "Insect Hormones" at the Jugatae meeting at Cornell on April 21.

Ring Carde, Entomology, was in Michigan March 22-29 and attended the North Central Branch meetings of the Entomological Society of America. From March 30 to April 22 he was in California where he acted as a consultant for Zoecon Corporation on an EPA grant to make recommendations for registration of insect growth regulators and pheromones. While there, he presented a seminar. Before returning, he did some field work around Fresno.

George Abawi delivered a lecture on "Establishing a Dis-



ease Control Program: Concepts and Procedures" as part of Dr. W. Fry's course on Disease Control and Epidemiology in the Department of Plant Pathology, Ithaca, April 14.

On April 11, the Entomology staff, along with the Syracuse Department of Entomology, met with the Ithaca Department at Ithaca for seminars in the afternoon and dinner in the evening.

Wendell Roelofs, Entomology, traveled in Europe from April 6 to 20. He presented a seminar at the Swill Research Station at Wadenswil, Switzerland. In Milan, Italy he gave a seminar sponsored by the Plant Protection Society of Italy. He then attended a Rockefeller Foundation meeting in Bellagio, Italy, after which he traveled to Wageningen, Holland to a meeting sponsored by the Society of Chemical Industries. A tour of Amsterdam was also included in his trip.

Willard Robinson, Food Science, spoke to the Comstock Cooperative Management group on the Food Science research program at the Town Pump in Orleans on April 1.

The following members of the Food Science and Technology Department participated in the April 2 Wine Advisory Council meeting and dinner in Hammondsport: Willard Robinson, Chang Lee, Jerry Van Buren, Don Splittstoesser, Yong Hang, Gil Stoewsand, Keith Steinkraus, Len Mattick, Jim Moyer, and John Stamer. Bob Pool also accompanied the group and participated.

Bob Shallenberger, Jerry Van Buren, and Keith Steinkraus attended the American Chemical Society meeting held in Philadelphia, Pennsylvania on April 5-10. Jerry presented a paper on "The Interaction of Polyphenols and Amides Studied in Model Systems and Fruit Juices." Keith participated in a panel discussion on single cell protein at the meeting. He then traveled to Washington, D. C. where he presented a talk to the World Bank on April 10.

Ross Hackler, John Babish, Gil Stoewsand, and Yong Hang attended the Federation of American Society for Experimental Biology meetings in Atlantic City, New Jersey April 14-18.

Don Downing and Bob LaBelle, Food Science, and their wives attended the Western New York Section IFT tour and dinner meeting in Niagara Falls on April 25. A tour of the Carbondale Museum in Niagara Falls was included in the day's activities.

Participants in the Third National Processed Apple Conference held in Rochester April 8 and 9 included Lou Massey, Don Downing, Reg Walter, Bob LaBelle, Jim Moyer, and Chang Lee. On April 10, some of the attendees from the conference toured the Station's research facilities. Jim Cummins, Mike Szkolnik, Ken Trammel, and Bob LaBelle served as hosts for the group.

Don Downing, Ross Hackler, Willard Robinson, and Keith Steinkraus and their wives attended the Food Science and Marketing Institute's Advisory Council meeting in Ithaca April 30-May 1.

Bob LaBelle, together with Professors Edgerton and Oberle of the Department of Pomology, Ithaca, were slated to speak at a fruit school on tart cherries near Albion on April 3. Setting out into the teeth of the developing snowstorm, they got only as far as Batavia, where they were marooned overnight. The meeting was rescheduled (and successfully held) on April 28.

## VISITORS

Dr. C. Ac. L. Hargitai, Professor of Soil Science at the University of Horticulture, Budapest, Hungary visited Nathan Peck on April 17-18 to discuss fertilization of vegetable crops.

Dr. Alfredo Lam-Sanchez, Professor of Economic Botany, College of Agriculture, Jaboticabal, Sao Paulo, and Decio Travaglini, Head of Dehydrated Products Section, ITAL, Campinas, Brazil, visited the Food Science and Technology Department on April 16-17. They met with

Keith Steinkraus, Malcolm Bourne, and Andy Rao. They also visited with Mike Dickson, Seed and Vegetable Sciences Department.

Daniel Priscu, Editor for the Central Administration of SUNY's proposed *Search* magazine spent Tuesday, April 22, discussing the Station's enology and viticulture programs with Bob Pool, Nelson Shaulis, and Willard Robinson. He also spent some time with Pat Krauss, Publications. When the magazine gets off the ground, hopefully under a different name, our wine program should be featured in the first issue.

Dr. McDowell of the School of Forestry in Syracuse visited Bob Shallenberger on April 25 to discuss enzyme mechanisms.

On March 24-28, Paulo Picardi of the Mont Edison Company of Milan, Italy visited Wendell Roelofs and observed techniques in pheromone research.

Dr. George Papavizas, Department Chief of the Soilborne Disease Laboratory of the Plant Protection Institute, USDA-ARS Beltsville Agricultural Research Center, visited the Plant Pathology Department April 24-25 to discuss mutual interests with Jim Hunter, Harvey Hoch, George Abawi, and others. Dr. Papavizas gave a seminar on "Recent Research at Beltsville on Soilborne Plant Pathogens" April 24.

## LIBRARY CORNER

### New in the Library

*Advances in analytical chemistry and instrumentation*, v. 10, 1974. *Electroanalytical chemistry*, edited by H. W. Nurnberg, Call number 541 Ad9.

Baker, Kenneth F. and James Cook. *Biological control of plant pathogens*. Freeman, 1974. Call number 632.96 B17 (Plant Path. Library).

Professors Baker and Cook discuss the control of plant pathogens by the host or other organisms through environmental manipulation. They draw together more than 50 years of research and observation, organize this knowledge into a thorough treatment of the principles of biological control of plant pathogens, and suggest practical ways of applying those principles. Biological control is presented as one part of an integrated disease-control program, along with cultivation practices, pathogen-free propagules, soil treatment, sanitation, host resistance, and mild chemicals. Selective soil treatment and mass transfer of antagonists from a suppressive to a conducive soil are emphasized.

Dickinson, W. J. and D. T. Sullivan. *Gene-enzyme systems in Drosophila*. Springer-Verlag, 1975. (*Results and problems in cell differentiation*, v. 6). Call number 575.21 R31.

This book brings together for the first time much of the biochemical, genetic, and developmental work on enzymes in *Drosophila*. It documents the usefulness of gene-enzyme systems as tools in the investigation of a number of problems, particularly those relative to the organization and regulation of the eukaryotic genome. Each enzyme is considered separately, but the introductory chapter summarizes many of the procedures that are generally applicable to the study of gene-enzyme systems and the uses to which they may be put and provides access to specific examples. Written for biochemists, molecular biologists, and cell biologists, this present volume provides access to a large body of literature on the subject of gene-enzyme systems in *Drosophila*.

*Index Kewensis Plantarum Phanaerogamarum*, v. 15, 1966-1970. Call number 580 In2. Milthorpe, and J. Moorby. *An introduction to crop physiology*. Cambridge University Press, 1974. Call number 581.1 M64.

This book provides an understanding of the ways in which the various physiological processes are in-



tegrated to produce the responses shown by whole plants growing in the variable environment in the field. The quantitative aspects of the relationships significant in this integrated approach are stressed. The structure and effects of the environment, water relations, mineral nutrition, photosynthesis and respiration, germination and growth, flowering and fruiting are all considered; a major concern is the understanding and prediction of productivity. Most of the subject matter concerns agricultural systems, but many of the concepts and approaches are applicable to more complex natural ecosystems. Emphasis is placed on integrating knowledge from many sources and on trying to assess quantitatively the importance of each component in the context of the whole plant/environment system.

*Residue reviews*, v. 54, 1975. Call number 615.9 G95.

Contents: Phthalate esters: occurrence and biological effects; Reduction of pesticide residues in food crops by processing; Consequences of lead in the ambient environment: an analysis; Lead and plants; Gas chromatographic determination of nitrogen-containing pesticides using the nitrogen flame ionization detector (N-FID).

U.S. Department of the Interior Geologic Survey and NYS Department of Environmental Conservation. *Ground water resources of the Western Ontario River Basin, New York*. 1974. Call number 333.75 N48e.

Day, Peter R. *Genetics of host-parasite interaction*. W. H. Freeman, 1974. Call number 581.232 D33 (Plant Path. Library).

*Genetics of Host-Parasite Interaction* is the only book now available that deals exclusively with the development and use of genetics to control pathogens and pests. Concerned mainly with fungal parasites, it also considers the other major plant parasites—insects, nematodes, bacteria, and viruses. The author has collected material previously scattered throughout the literature (included is an extensive bibliography with nearly 600 references). The book is intended for research students and researchers in genetics, plant breeding, plant pathology, entomology, epidemiology, and ecology.

*Progress in nucleic acid research and molecular biology*, v. 15, 1975. Call number 574.196 P94.

### Current Contents

The library has finally received all of the missing issues of *Current Contents: Agriculture, Biology and Environmental Sciences*. The missing issues of *Current Contents: Life Sciences* have not yet arrived, but we anticipate that they will be in soon.

### New Publication from Chemical Abstracts

Beginning with the May 5, 1975 issue of CHEMICAL TITLES, a new series of experimental publications will be bound in the back of our issues of CT. These will consist of easily scanned listings (2 or 3 pages) of bibliographies of recent chemical literature about a particular topic selected from the range of subjects covered by CHEMICAL ABSTRACTS data base. The topics for the experimental issues will be Safety, Forensic Chemistry and Solid Wastes. The listings will include bibliographic information about an article or patent and a corresponding CA abstract number. Although the experimental issues are provided at no charge, there is no indication at this time whether or not we will be billed additionally if we continue to receive the new series, or indeed if the series itself will be continued by the publisher. Any comments that users have on the relevance of the topics and the value of the information provided would be appreciated.

### Book Sale

The University of Wisconsin Press is conducting a "Fabulous Fifties" book sale of more than 350 titles, with prices slashed from 60-92 per cent off list price. The variety of books offered will interest everyone at the Station, encompassing history, the humanities and social sciences, plus the medical, biological, and mathematical sciences. We currently have one listing of the titles available in the Library; another is circulating through the departments. Our Library will act as a "purchasing agent" for anyone wishing to order books, with the stipulation that any free books, awarded for the purchase of every \$10 worth of books ordered, will become part of the Library collection. Please feel free to check the listing in the Library. Now is a good time to stock up on next year's Christmas presents, and at the same time to help the Library! We would like to get the order in by the first of June, or earlier if possible, before stocks are depleted.

### Missing and Needed for Binding

*Geoderma* 6(2), 1971. Call number 540.5 G29.

*Scientific American*, November 1974. Call number 505 Sci2.

*Food Research* 18, 1953. Call number 664.5 F73.

### THE CHATTER BOX

Mary Ann Boettger, Seed and Vegetable Sciences, spent a week in London visiting Kew Gardens, Wisley Gardens, and other points of interest.

Jim Knight, who has been employed in John Bourke's laboratory, Food Science, has transferred to the Pomology and Viticulture Department. Bertha Jenkins is his replacement in the Food Science and Technology Department.

Bob LaBelle ran, for the first time, in the 79th Boston Marathon on April 21—Patriots Day in Boston. More than 2,000 runners started this year, despite increasingly stringent qualification standards, and ran the 26.2-mile course from the outlying town of Hopkinton to Boston flanked almost the entire way by spectators, apparently numbering several hundred thousands. Bob says he started out too fast, perhaps encouraged by all the excitement and a tailwind, and paid for it with a painfully difficult finish—but still in the reasonably good time (for the "gray-haired") of 3:22.

### HOLIDAYS ANNOUNCED

Memorial Day will be celebrated on the last Monday in May (May 26).

July 4 falls on Friday this year.

Labor Day will be celebrated on Monday, September 1.

### SUGGESTION BOX

**SUGGESTION:** May I suggest a way to conserve paper for the *Station Calendar* and the *Station News*. Drop the separate printings of the *Calendar* and go back to a weekly *Station News*. Limit most issues of the *Station News* to one page except maybe the first issue each month to publish the weather statistics, any left over news, and want ads.

**REPLY:** Thank you for the suggestion. We knew when we started the weekly calendar that it would eventually precipitate a suggestion to publish *Station News* on a weekly basis as it used to be several years ago. As Head of the Department of Publications it was my decision as to whether we would publish *Station News* on a weekly basis or supplement the *News* with a more current weekly calendar of events. Because of production schedules and the amount of time that it takes to collect, rewrite, and prepare material for *Station News*, I made the decision to keep *Station News* on a monthly basis and the *Calendar*



of *Events* weekly to serve as a current up-date supplement. In order for the *Calendar* to be effective, it has to be published and distributed the Friday before the week which it covers. A system has been developed to do this with a minimum of energy on the part of those who supply us with the dates and with a minimum of production time involved by the Publications staff. This would not be the case if *Station News* were published weekly. I will not permit either *Station News* or the *Calendar of Events*, as important as they can be at times, to interfere with the publication of research material or departmental projects that might be in our shop. Therefore, the *Calendar of Events* will be just that, published on a weekly basis with a few minor writeups on seminars, critical personnel items that must be handled in that time span, and such items, and *Station News* will be continued to be published monthly with the same format as now to serve as both an official historical document for the Station and for items about and for Station employees.

R. E. Krauss  
Editor and Head of Publications

CLASSIFIEDS

- Found: Gold cross in Jordan Hall parking lot. Contact Mary Lou Dumbleton.
- For Sale: 17-foot Folbot, red and buff, 3 years old. 10-speed Huffy bike. Universal Rundel bathroom sink. Window screens. All in excellent condition. Joe Keplinger 787-2374.
- For Sale: Mobile home. Completely set up in a nice local park on Routes 5 & 20, 6 minutes from the Station. Room for a vegetable garden. Dark wood paneling and carpeting throughout. Totally modern kitchen and bath. Two master-sized bedrooms. Like new! 12-foot x 60-foot Mark IV model. Reasonable. Call or see Miller McDonald 787-2247 or 539-8622.
- Wanted: Student(s) to rent completely furnished 3-bedroom house on West Lake Road June 20-August 20. Reasonable rent. Contact Sue Dwyer 787-2228.

WEATHER

		Max.	Min.	Rain, Melted Snow, etc.	Snow, Ice Pellets, Hail	Snow, Ice Pellets, Hail, Ice on gnd. (inches)
April	1	35	22	tr.	tr.	tr.
	2	37	26			
	3	44	28	.37		
	4	45	17	.42	9.0	9
	5	22	17	.22	5.6	15
	6	30	21	.05	1.3	16
	7	26	21	.08	1.8	17
	8	32	22	.01	.2	15
	9	33	21			12
	10	34	24			10
	11	38	25			7
	12	39	23			5
	13	37	26	tr.		3
	14	39	27			1
	15	47	32			
	16	51	35			
	17	54	38			
	18	60	39	.02		
	19	69	50	.01		
	20	67	40	.01		
	21	47	32			
	22	42	27			
	23	53	30			
	24	65	42	.01		
	25	65	41	.06		
	26	45	35			
	27	50	33			
	28	53	35			
	29	55	37			
	30	64	40			