



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Not for Publication Without Consent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 STORY

No, the Experiment Station didn't buy all this gravel to spruce up our roadways. Seed and Vegetable Sciences has kindly offered space to the Ontario County Highway Department to store gravel that will be used this coming summer for dressing Castle Road. The gravel is stored on the Vegetable Research Farm.

NEW FACILITIES COMPLETED AT HUDSON VALLEY LABORATORY

We were pleased to get a note from Chick Forshey, Superintendent, Hudson Valley Laboratory, that a certificate of occupancy for a new addition constructed at the Laboratory was received March 21.

Expansion of the Laboratory was financed by the Hudson Valley Research Laboratory, Inc., a grower organization. Through this addition, the Laboratory gained two

laboratories, an insect rearing room, five offices, and a conference room. In addition to the research staff, the Laboratory is now able to provide office space for Fruit Extension Specialist Warren Smith and Farm Management Specialist Ralph Lawrence.

Chick also noted that they are currently in the process of erecting two 25-foot x 48-foot plastic greenhouses that will be heated and lighted.

Congratulations on completion of this project and a special word of thanks to the growers who support the Laboratory so strongly.

CERES CIRCLE

Ceres Circle will meet Monday, April 7, at 8 p.m. in the home of Mrs. Donald Barton. Barbara Bartos of the Geneva Historical Society will present an illustrated program on Geneva's historical homes. Mrs. Ross Hackler is in charge of the program. Hostess is Mrs. Herb Aldwinckle.

The annual Ceres Circle buffet dinner is planned for May 16. All Station employees, spouses, and their guests are invited to attend this popular event. Posters and sign-up sheets will go up in every department about the middle of April. Mrs. Anwar Khan and Mrs. Harvey Brandt are co-chairwomen for the dinner. They or their committee will contact everyone who signs up. A few helping hands are still needed on the clean-up committee. Volunteers please call 789-9198.

ON YOUR OWN TIME

by Katie Preczewski

In talking to people about their "own time" activities comments like "it's all I can do to keep ahead of the crabgrass" or "with four kids and a dog, I haven't had any of that in years" are not uncommon. Erv Jensen (a familiar face around Seed & Vegetable Sciences for the last 30 years) has a different and rather shocking answer to that question—he calmly lists nine different hobbies.

These pursuits can be categorized mainly as collecting and restoring. Erv has a hand-made jug collection, an arrowhead collection, an old bottle collection, and a bell collection; and he restores old clocks, old engines, and "walking type tractors." Of course, he has ended up with small collections of old clocks, old engines, and the tractors too. In his spare time, he makes jewelry and photographs wildlife.

Any one of these hobbies could fill an article, but since Erv really manages to do them all at once it seemed only fair to take on the job of describing them all at once.

The first collection Erv started was hand-made jugs. He began 15 years ago with a jet-black pitcher with turkeys glazed onto the sides—an item he rescued from a neighbor's junk pile. Then things really got serious when he saw an ad in the paper offering to buy old jugs for \$5-\$7 apiece.

"I figured just picking up discards and cleaning them off was a pretty easy way to make \$5-\$7. But the more I got, the more interested I became in them, and now I'd rather have my 75 jugs than the couple thousand dollars they're all worth."

Erv's favorite jug is one labelled "ye old foot warmer." It's a cylindrical earthenware jug with a blue decorative pattern on it, designed to be filled with hot water and kept under the lap-robe on long trips. "It has one crack, but it can still hold water," he insists.

The arrowhead collection numbers around 100, including one dating to the ice age, as evidenced by one flat side and one fluted side. Bells are Erv's newest interest, and his collection includes sleigh bells, a dinner bell, a maid's bell, a cowbell, and a sheep bell. Of course, each collection has a "one that got away" story but the bell that got away was a real prize.

"I didn't hear about it until after the auction. They had a huge brass postbell: the kind you put up high on a post with a cord from the clapper and the farm hands are called in to dinner with it. They sold it for \$15 and I'd have given \$50 just like that," he lamented.

Erv has been restoring old clocks for years by finding broken ones about to be junked and then scouting around for parts, but he doesn't do much now because the parts are so hard to get. This hobby has resulted in a small collection of eight, all running perfectly. Erv's pride and joy is a 100-year-old cast iron Seth Thomas alarm clock. "When that rings, everyone wakes up!"

Also in perfect running condition are his six walking tractors. Four of them are "Planter, Jr." models, a line that hasn't been made since the early 1950's. "You know they're well-made because any I see in somebody's yard are still being used."

"Mostly I just help my sons restore engines—they have quite a collection of steam engines. But I have gotten interested in the small Briggs and Stratton upright engines. I

have eight or nine of them from kick-starter to pull-rope types."

The secret to keeping so many hobbies going is in how Erv pursues them. It's not surprising that he goes about it in a rather scientific way. "A hobby stops being a hobby when you find you're putting too much time or money into it. That's why I've just about stopped my bottle collection. I collected bottles because often when I was out hiking or looking through the ruins of an old house I'd find interesting old medicine bottles. But now everyone's holding onto their old bottles and prices are getting ridiculous."

Erv doesn't just decide to do one specific hobby on a particular day. If it's rainy or evening, he'll work on his current restoration project or make some of the prettier stones from his collection into earrings or a necklace. If it's a nice day, he'll go out hiking with his pack basket ready to carry back any discoveries from an old rusty engine to a brightly decorated jug. With his camera around his neck, he's sure to come back with a few shots of animals or a waterfall or two, if nothing else.

"When your time is limited, you can't just take off and wander, so I keep my eye out all the time for a site of an old abandoned home, a good place to hunt arrowheads, or some old wooden handles sticking out of the weeds. Then on the next nice Saturday we have, I go out at 4 a.m. and look around the spot I've already picked out."

Though he claims it's all in how you go about it, a little luck doesn't seem to hurt, either. Erv tells one tale of a field near Seneca Lake that looked like "just the place I'd live if I were an Indian." He went out to look there one morning after a light rain and found three good arrowheads in 5 minutes.

Erv has his next hobby all picked out and is just waiting for the right time to start. He enjoys nature so much he'd really like to share what he sees through landscape painting. "I just can't think of anything more peaceful than sitting on a woodchuck hill under a big tree putting what's in front of me on paper."

Well, after all, everyone should have at least ten hobbies to fill their spare time.

WHERE DID IT GO

Missing somewhere between the Library and Sturtevant is a Mann Library book, Gladys Vail's *Foods*, 6th edition, 1973, which was addressed to, but not received by, Tom Kenny.

If anyone has seen the package or the book, please return it to the Library. It would be appreciated.

NEW PENN YAN MAYOR

Bruce LeClaire, maintenance engineer in our Buildings and Properties Department, was elected Mayor of Penn Yan at the village elections on Tuesday, March 18. He has been a village trustee for the past 12 years. Congratulations, Bruce.

SYMPATHIES

We extend the sympathies of the entire Station staff to Director and Mrs. Barton and their family on the loss of Mrs. Barton's mother, Mrs. Lela A. Winston, and to Phoebe Minns and her family on the loss of her father, Kenneth Cass.

STORK NEWS

Congratulations to Joyce and Guy Wicksall on the birth of a daughter weighing 8 pounds 9 ounces on March 19. Joyce works in the Department of Seed and Vegetable Sciences.

WEDDING BELLS

Our best wishes to Margaret and Marty Van Kirk, Entomology, who were married on March 8 at Holy Cross Church, Rochester, and to Carolyn and Gordon Lowery, Sr., Heating Plant, who were married March 15.

HEALTH

George Slate, Pomology and Viticulture, is presently a patient in Clifton Springs Hospital where he is waging a battle against the prevalent "flu." Mrs. Slate requests no visitors at night, but George would like to receive cards from his friends.

Gus Curtis, Buildings and Properties, is in Geneva General Hospital recuperating from an operation on his knee. The injury was incurred while at work in the Department. Gus expects to be out 6-8 weeks. He would appreciate hearing from his friends.

Betty Bixler and Jim Hunter are both back at work in Plant Pathology after recent illnesses.

Alda Blamble has returned to work in Seed and Vegetable Sciences after recent surgery.

Fenton Carruth, Seed and Vegetable Sciences, is in the Veteran's Hospital in Syracuse for observation and possible surgery.

Mrs. Joe Armitage, Plant Introduction, is recuperating from a recent operation.

SABBATICALS

Al and Edith Braun, Plant Pathology, are now at Skieniewice, Poland for 6 months. Al will be doing his sabbatical at the Pomology Institute there, working mainly on Verticillium wilt of strawberry. The Department was pleased to hear recently that they arrived safely to find the refrigerator fully stocked (with Polish sausage among other good things).

Jerry, Susan, and Holly Uyemoto, Plant Pathology, are in Davis, California where Jerry will be doing a 4-month's sabbatical in the Plant Pathology Department there. He will be working on seed transmission of southern bean mosaic virus. Then Jerry will spend 2 months studying serodiagnostic techniques at Montana State University at Bozeman. The last report from the Uyemotos was that it had been raining for 4 days straight in Davis.

MEETINGS AND SEMINARS

The Third Annual Geneva-Ithaca Pomology Interdepartmental Conference was held on March 25. Jim Cummins organized a full day tour of apple rootstock and training trials in western New York, and Dick Norton served as guide. Twenty-seven pomologists and guests attended. The group observed and discussed the latest developments in apple training systems. Eight different orchard sites were visited. A "brown bag" luncheon was held in the MacDonald's parking lot in beautiful downtown Brockport. A catered supper was held at the Monroe County Farm and Home Center in Rochester; Jim Cummins chaired a session summarizing the day's events and needs for future research. A general group discussion on items of mutual interest of the two departments followed.

Henry Bennett, New York State Fruit Testing Cooperative Association, attended the International Dwarf Fruit Tree Association annual meeting in Grand Rapids, Michigan on March 12-14. Henry is in his third term on the Board of Directors of the association and was elected vice president at this meeting.

Bob Gilmer, Plant Pathology, gave a talk on pest control at the National Cherry Conference in Traverse City, Michigan recently.

Desmond Dolan, Plant Introduction, gave a seminar entitled, "Plant Introductions Used in Genetic Studies" at

LeMoyne College on March 10.

Morrie Vittum, Seed and Vegetable Sciences, discussed the work of the Experiment Station at the meeting of the Quebec Food Processors Association in Montreal March 24-25.

Morrie will be a member of a U.N. Development Programme team to evaluate fruit and vegetable projects in Turkey. He will be leaving early in April with briefings in Washington, New York, Rome, and then on to Ankara. He will return about May 1.

Jim Tette and Ed Glass, Entomology, and John Gilpatrick, Plant Pathology, attended the 1975 National Extension Tree Fruit Pest Management Workshop in Yakima, Washington on March 11 and 12. John made a presentation on "Monitoring Ascospore for Release in Apple Scab." Jim reviewed the New York State Apple Pest Management Project—Past, Present, and Immediate Future.

Ed Glass attended a meeting of the Ad Hoc Advisory Group UC/AID Pest Management Project in Washington D. C. on March 13 and 14.

A *Rhagoletis* (apple, cherry, and blueberry maggot) workshop was conducted on March 19 and 20 in the conference room of the Entomology-Plant Pathology Laboratory. Research workers and a sprinkling of graduate students were present from several states in the northeastern United States and the eastern provinces of Canada. Over 30 persons participated. Harvey Reissig served as secretary, and Ed Glass and Will Neilson from Nova Scotia served as cochairmen.

Sandy Davis, Chuck Eckenrode, and Dick Straub, Entomology, were in Ithaca on March 7 attending the New York State Vegetable and Potato Entomologists' meeting.

Sandy was CSRS representative to the NEC-16 meeting on bird depredation at Pittsburgh, Pennsylvania on March 19 and 20.

Ken Trammel, Entomology, went to Ithaca March 18 where he gave a lecture on the fruit ecosystem in Biological Sciences 562, Ecology of Pest Management.

Wendell Roelofs, Entomology, has also been lecturing at Cornell in the Ecology of Pest Management course as well as in Chemical Ecology and a new course, Chemical Communication, with Drs. Eisner and Meinwald.

Don Downing, Lou Massey, and Bob LaBelle, Food Science, attended a meeting of the Apple Industry held at Cornell on March 17.

Willard Robinson, Food Science, presided over a Symposium on Specifications of Food Chemicals held at the National Academy of Science in Washington, D. C. on March 13-14. The symposium was sponsored by the National Research Council Committee on Specifications, The Food Chemicals Codex, of which he is chairman.

Malcolm Bourne, Lou Massey, and Andy Rao of the Food Science and Technology Department participated in the Western New York Section Institute of Food Technologists' tour of the Red Wing Company in Fredonia on March 20.

Chang Lee and Don Downing attended the Management Seminar for Food Processors held in Rochester March 13-14. Chang presented a paper at the meeting on "New Blanching Techniques." The program, held annually for the food processing industry of New York, was organized and developed by Don.

Bob Shallenberger, Food Science, presented a seminar on "The Molecular Basis of Taste and Olfaction" to the Departments of Biochemistry and Food Science at Purdue University on March 21. Accompanying him on the trip was Michael Lindley. While there, they discussed reaction mechanisms of enzymes with various Purdue faculty members.

LeRoy Nittler, Seed and Vegetable Sciences, presented a seminar March 10 to plant science research workers at the Beltsville Agricultural Research Center. He spent 3 days reviewing the seed research at the center.

Gary Harman, Seed and Vegetable Sciences, presented a seminar March 14 to the plant physiology group on the

Ithaca campus entitled, "Mechanisms of Seed Deterioration Induced by Storage Fungi and by Aging."

Bob Gilmer recently gave seminars both to our Plant Pathology Department and the Ithaca Plant Pathology Department on cowpea viruses in Nigeria.

VISITORS

David Hopfer and David Seavey of the Cooperative Extension Service of the University of New Hampshire were recent visitors in Pomology and Viticulture. They conferred with various department members on all aspects of fruit production. The two stayed on and accompanied Geneva pomologists on the Interdepartmental Fruit Tour and Conference with Pomology at Ithaca.

Donald Dougall of the W. Alton Jones Cell Science Center, Lake Placid, presented a seminar on March 10 on the topic, "Cryogenic Storage of Plant Cell Cultures."

Drs. Guy McKee and Joe Duich of the Pennsylvania State University and Wendell Ditmer of the Pennsylvania State Department of Agriculture at Harrisburg spent March 17 and 18 visiting the Department of Seed and Vegetable Sciences. They were mainly interested in discussing research of the NEM-22 project on varietal purity and in planning future research for the project.

Dr. Lowell Woodstock, seed physiologist at the Plant Industry Station, Beltsville, Maryland, visited with Anwar Khan, Seed and Vegetable Sciences, March 16-18. He was especially interested in learning the organic solvent permeation method of treating seeds with biologically active chemicals which Anwar is using in his studies. Dr. Woodstock also visited with other members of the Station faculty including Chuck Eckenrode and Gary Harman who are using this method to treat the seed with seed protectants.

Dr. Ulrich Schwieter, Chemistry Department, F. Hoffman-LaRoche & Company Ag., Basle, Switzerland, was a visitor in the Entomology Department on March 22 and conferred with Bill Bowers.

Dr. Jozef Bakowski of the Research Institute of Vegetable Crops, Skierniewice, Poland, visited the Station on February 26-28. His particular interests included objective methods of measuring maturity of peas and toughness of corn and the relationship of firmness to the hydrolytic enzyme activities.

LIBRARY CORNER

New in the Library

Archiv fur Acker- und Pflanzenbau und Bodenkunde, v. 18, 1974. On exchange from Akademie der Landwirtschaftswissenschaften der Deutschen Demokratischen Republik. Call number 631.4 Akl.

Insect Biochemistry, v. 5, 1975. Call number 595.7 In6 (Ent. Library).

National Research Council, Committee on Agricultural Production Efficiency. *Agricultural production efficiency*. Washington, National Academy of Sciences, 1975. Call number 338.1 N21.

Organic Syntheses, v. 54, 1974. Call number 547.058 Or3. Sarkanen, K. V. *Lignins: occurrence, formation, structure and reactions*, ed. by K. V. Sarkanen and C. H. Ludwig. New York, Wiley-Interscience, 1971. Call number 582.15 Sa7.

Smith, J. E. and D. R. Berry. *An introduction to biochemistry of fungal development*. London, Academic Press, 1974. Call number 589.2 Sm7 (Plant Path. Library).

USDA, Agricultural Research Service and Forest Service. *Guidelines for the use of insecticides to control insects affecting crops, livestock, households, stored products, forests, and forest products*. Agriculture Handbook No. 452, 1974. Call number 353.81 H19. (Main and Plant Path. Library).

New Publication of Note

Food Science in Developing Countries: a selection of unsolved problems. A collection of 42 food science problems identified as "worthy of immediate examination by food and nutrition experts primarily from developing countries." Available FREE from the Commission on International Relations, 2101 Constitution Avenue, N.W., Washington, D. C. 20418.

Missing

Andus, L. J. *The Physiology and Biochemistry of Herbicides*. Academic Press, 1964. Call number 632.95 Au2. *Chemistry in Britain*, v. 10(7), 1974. Call number 540.5 C4b. *Journal of Economic Entomology*, v. 67(1), 1974. Call number 591.6 Ec7.

Canadian Entomologist, v. 105(12), 1973. Call number 590.5 C16.

C.M.I. *Descriptions of Plant Pathogenic Fungi and Bacteria*, set #1, 1-300, 1964-71. Call number 581.232 C68 (Plant Path. Library).

Transactions of the British Mycological Society, v. 63(3), 1974. Call number 589.205 B76 (Plant Path. Library).

Bibliography of Agriculture—Cain On-line

We have just received our first issue of *Bibliography of Agriculture* from its new publisher, Oryx Press. Each month, over 10,000 citations of journal articles, pamphlets, government documents, special reports, and proceedings are listed and cross-indexed in each issue by personal author, corporate author, and geographic reference. In addition, Oryx Press is including publications from the USDA, FAO, State Agricultural Experiment Stations, State Agricultural Extension Service, and translated publications.

For the first time, a separate *monthly* subject index to the *B of A* is also being published. Over 60,000 title entries are incorporated into the index each month, listed under 25,000 control words in agriculture and allied sciences. As the subject index costs us \$85/year in addition to the \$85/year we pay for the *B of A*, any comments on how valuable a tool it really is to users would be appreciated.

We will also be receiving a cumulative index at the end of the year, which will combine the personal and corporate author indexes from the *B of A* monthly issues together with the monthly subject indexes. The two-volume, hardbound set will cost us an additional \$145/year.

CAIN ON-LINE is the computerized literature retrieval system based on the records of the National Agricultural Library since 1970. At the present time, there are approximately 500,000 items in the file, both books and articles. About 12,000 are added each month. The CAIN tapes are the basis for the published *Bibliography of Agriculture*. The proposed 1976/77 budget of Mann Library at Cornell includes a subscription to the CAIN tapes. If approved, tie up with one of three purveyors of the CAIN tapes will also allow searchers access to a number of other data bases, most notable of which is CHEMICAL ABSTRACTS CONDENSATES.

APPOINTMENTS

Dr. Chikao Nishino started working March 27 as a Post-doctoral Associate in Entomology under Bill Bowers. He is on a National Science Foundation Grant awarded to Bill for investigation of alarm pheromones of aphids. Dr. Nishino is a Staff Associate at the Nitsubishi-Kasei Institute of Life Sciences, Tokyo, Japan. He received his Ph.D. degree in chemistry from Kyoto University in 1970.

Richard A. Fox was appointed Technical Aide in Seed and Vegetable Sciences effective March 13. He will be working under Bob Becker. Richard was awarded his B. S. degree in natural resources from Cornell University in 1972. He is a native of New Hartford, New York.

RESIGNATION

Lowry Massie is leaving the Plant Pathology Department to join ICI America as development representative for the northeastern United States. We wish him luck and are pleased that he and Judy will be staying in the Geneva area.

THE CHATTERBOX

Gail Hyde, Library, visited the National Agricultural Library at Beltsville, Maryland March 11. While there she met with the head of the indexing division which monthly scans 5,000 journals for items which are then incorporated into the CAIN tapes and ultimately the *Bibliography of Agriculture*. The operation of CAIN ON-LINE was demonstrated during her tour.

Paris Trail, Publications, presented a program to the Newark Garden Club on March 7. He spoke on the use of pesticides and the environment and bird banding. He also showed slides of bird banding and wild flowers.

Peg and Rohlin Bosch, Library, went to the Canary Islands February 21-March 2 with a group tour sponsored by the Geneva Country Club. They enjoyed their very smooth air flight and sightseeing. Peg and Rohlin stayed on the Gran Canary Island and took a day's tour to one of the other six islands, the Island of Lanzarote.

Len and Jean Mattick, Food Science, recently returned from a March 8-16 trip to Vienna, Austria. While there, Len visited with Drs. Knorr and Zenz at the Institute of Food Technology, College of Agriculture in Vienna and with Dr. Josef Weiss at the Federal College, Research Institute for Wine and Pomology in Klosterneuberg. At Klosterneuberg, Len presented a seminar on "The Acidity of New York State Grapes and Analytical Techniques Used in the Determination of the Fixed Acids." He also visited with Dr. Alfred Schaller and Thomas Johnson-Arthur of the Institute for Biological Research at Seibersdorf. The primary purpose of the trip was for Len to meet and discuss areas of mutual research interests. However, all was not technical—the trip was also the occasion of the Matticks' 20th wedding anniversary. Congratulations.

SUGGESTION BOX

A suggestion was received through the Suggestion Box that roll toilet paper be placed in ladies' rest rooms.

Rest rooms in some of our buildings have roll paper holders, while others have folded paper dispensers. Due to paper shortages this past year or so, we have had difficulty in purchasing the proper size folded paper to fit our dispensers, or the quality which we desired. Consequently, there has been some waste and inconvenience.

Therefore, holders for roll toilet paper have been ordered through College Stores and will be installed in all rest rooms which do not have them. The folded paper dispensers will remain in place for use when needed. This will give more flexibility in the event we are unable to buy one kind or the other.

It was also suggested that drinking cup dispensers be installed in rest rooms. Due to the fact that no drinking or eating facilities are permitted in rest rooms, this action will not be taken.

Another suggestion that an automatic greenhouse pot washer be purchased for use by all departments on a rotating basis for washing clay and plastic pots, has been referred to all concerned departments for their consideration. Only one, to date, has indicated an interest to share in the cost of such a washer. With the present shortage of funds, this matter has not been pursued.

CLASSIFIED

For sale: 4-bedroom home with 1½ baths, living room, dining room, den, kitchen, and first floor laundry—utility room. 16 x 32 in-ground swimming pool. 26 x 30 barn. Located 2 miles north of the Experiment Station on the east side of Pre-Emption Road. Corte Spencer, 789-8318.

WEATHER

	Max.	Min.	Rain, Melted Snow, etc.	Snow, Ice Pellets, Hail	Snow, Ice Pellets, Hail, Ice on gnd. (inches)
March 1	42	24	.01	.3	tr.
2	33	21	tr.	tr.	tr.
3	29	13	.09	3.0	3
4	20	9	.02	.4	3
5	29	18			3
6	35	21			1
7	39	28	tr.	.1	
8	40	19	.30	.3	
9	28	8			
10	27	8			
11	28	21	.02	.3	
12	35	24	.01		
13	43	32	.06		
14	36	22			
15	30	20	.40	4.3	4
16	34	17			3
17	45	22			2
18	48	26			
19	53	36	.03		
20	50	35	.62		
21	43	24	.12		
22	40	26	tr.		
23	49	34	.08		
24	45	29	tr.		
25	50	32	.14		
26	46	16	.10	.3	
27	21	15	tr.	tr.	
28	25	17			
29	38	22	.01		
30	45	29	tr.	tr.	
31	36	19	.01	.5	.5