Station News

A House Organ for Station Employees
Not for Publication Without Consent

Vol. 87, No. 1
January 31, 1973

New York State Agricultural Experiment Station, Geneva

CALENDAR OF EVENTS

February
1—1:00 p.m.—Tour, Fifth Graders, Prospect Avenue School
2—7:30 p.m.—Lounge, Jordan Hall—Finger Lakes Chess Society
5—8:00 p.m.—Auditorium, Jordan Hall—SPEBSQSA
5—8:00 p.m.—Mrs. Barton's Home—Ceres Circle
6—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
8—9:30 a.m.—Conference Room, Jordan Hall—Ad Hoc Committee, Cooperative Extension
8—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
9—7:30 p.m.—Lounge, Jordan Hall—Finger Lakes Astronomy Club
12—8:00 a.m.—Lounge, Jordan Hall—Interdepartment Research Conference
12—8:00 p.m.—Auditorium, Jordan Hall—Women for the Survival of Agriculture
13—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
14—Noon—Auditorium, Jordan Hall—Station Club Travelogue
14—7:30 p.m.—Conference Room, Jordan Hall—Finger Lakes Stamp Club
15—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
15—7:30 p.m.—Auditorium, Jordan Hall—Alcoholism Workshop
16—7:30 p.m.—Auditorium, Jordan Hall—Wayne County 4H Horse Leaders
17—2:00 p.m.—Lounge, Jordan Hall—Finger Lakes Chess Society
20—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
20-21—Sheraton Motor Inn, Canandaigua—Processing Vegetable Conference
22—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
27—3:15 p.m.—Conference Room, Jordan Hall—High School Equivalency Courses
28—Noon—Auditorium, Jordan Hall—Station Club Travelogue
28—7:30 p.m.—Conference Room, Jordan Hall—Finger Lakes Stamp Club

INSECT PHYSIOLOGIST JOINS STAFF

Dr. William S. Bowers, internationally known scientist in the field of insect physiology, was recently appointed an associate professor of insect physiology in the Department of Entomology, New York State Agricultural Experiment Station, Geneva.

One of the newer areas of research under study at the Station is insect hormone chemistry and the chemistry of insect-plant interaction. This is the field in which Dr. Bowers has gained such a prominent reputation, and it will be his assignment to continue and broaden studies on insect hormones and hormone mimics including their use in pest management. Coupled with this is the need to investigate the chemistry of certain insect-plant interactions.

These two areas of research are closely allied. It is known, for example, that insect hormones can actually be found in some plants. There are also substances in various crops that might attract insects at the time of egg laying. The objective of the program is to find ways of disrupting the ecosystem of pests and crop plants so that insect pest management controls can be improved. This important form of biological control will be used to complement the department's other non-pesticide oriented research programs such as the use of sex attractants in controlling and monitoring insect populations.

For the past 10 years, since receiving his Ph.D. degree in entomology and biochemistry in 1962 from Purdue University, Dr. Bowers has been a Senior Insect Physiologist with the Agricultural Research Service of the U. S. Department of Agriculture, Beltsville, Maryland. His work in the U.S.D.A. in the field of insect physiology with special emphasis on insect hormones quickly brought him recognition throughout the scientific community. Today, he is considered by many to be the leading authority in the world in his field of study.

He has given numerous invitational talks and participated in several international conferences. Some of his outstanding accomplishments include development of biological assays for hormones, discovery and synthesis of the first natural juvenile hormone, discovery of the first specific juvenile hormonal compound through isolation and identification of the paper factor from balsam fir wood, synthesizing the most active insect hormonal compounds known, and discovery that adult diapause is regulated by the juvenile hormone.

Conferred his A.B. degree by Indiana University in zoology in 1957 and his M.S. degree from Purdue University in 1959 followed by his Ph.D. degree from Purdue 3 years later, Dr. Bowers has a strong background in zoology, entomology, physiology, and chemistry. He is a distinguished author, and his creative research endeavors and major contributions in the field of insect physiology earned him the Outstanding Young Scientist Award in the Agricultural Research Service in both 1969 and 1970.

Dr. Bowers is a member of Sigma Xi, the Entomological Society of America, the American Association for the Advancement of Science, and the American Chemical Society. He is married to the former Patricia A. Mikovich, and the couple resides on Pre-Emption Road in Geneva with their five children, Marc William (13), Dana Leslie (12), Erin Joy (10), Rion John (8), and Lisa Michele (6).

TWO RESEARCH ASSOCIATES APPOINTED

Two research associates accepted appointment effective January 4, 1973 here at the Station.

Dr. Karling (James) Tao has joined the Department of Seed Investigations and will be working with Anwar Khan on a project dealing with nucleic acid and protein metabolism of seeds.

Dr. Tao obtained his B.S. degree from the Chinese University of Hong Kong in 1964 and his M.S. degree from Tuskegee Institute in 1968. He was conferred his Ph.D. degree by the University of Wisconsin in 1971.

Prior to coming to Geneva, Dr. Tao spent a year on the Ithaca campus with Professor A. T. Jagendorf. Dr. Tao is particularly qualified in the area of *in vivo* and *in vitro* nucleic acid or protein syntheses.

He is married to the former Harriet Yu and has two children, ages 5 months and 2 years. The family is residing at 22 West Avenue in Geneva.

The second appointment to research associate is Dr. John Barnard who is the Station's Laboratory Director of Computer Services. Dr. Barnard, a native of England, has a strong background in biology, statistics, and computer science, all of which are required for the newly created position of Laboratory Director of Computer Services. His assignment at the Station will be to refine and develop use of the IBM 1800 computer located in the Food Research Laboratory in the research, administrative, and operations functions of the Experiment Station. An important part of his responsibility will be to advise and educate the staff in computer methodology as well as managing the laboratory itself.

Dr. Barnard received his undergraduate training at the University of Newcastle-upon-Tyne in 1968 and his M.S. and Ph.D. degrees from Michigan State University in the field of Crop Science in 1970 and 1972 respectively. From 1965-1972, he served as a graduate assistant in Crop Science at Michigan State.

Dr. Barnard and his wife, Catherine Ann, and two children, John and David, are living in the Northwood Apartments.

OTHER APPOINTMENTS

Mary Ann Stone joined the Department of Seed Investigations on January 4 as a seed technologist. She will assist Anwar Khan in his biochemical studies on seed dormancy, germination, and vitality. Mary Ann obtained her Bachelor's degree in 1970 from Mansfield State College. She joined Cornell in 1971 and is expecting her M.S. degree in June of this year. She has worked in the area of hormone physiology and in the isolation and characterization of phytohormones. She is residing at Sheraton Park Apartments.

Food Science Department welcomes Davis Frederiksen to its staff. Davis is presently a R.I.T. student studying chemical technology. He will be working with John Stamer for a 3-month period.

Also new to the Food Science and Technology Department are Mrs. Dolores Koa-Ming Young, a research associate under Bob Shallenberger, and Mart Van Kirk, Jr., who is working with Don Splittstoesser.

CHRISTMAS PARTY THANKS

Although Christmas is well past, this is the first issue of Station News to come off the press since the Christmas Party. It was an outstanding event with the youngsters of Station employees having a particularly enjoyable evening.

A special word of thanks goes to Ron Kuhr, Entomology, who chaired the party this year. In turn, he would like to thank all those who helped in the preparation of the arrangements for the affair. This includes the following: Santa Claus and Elf, Joe and Barb Schohn; Children's Party, George and Kathy

Schaefers; Adult Tea, Don and Rochelle Downing; Teenage Party, Keith and Lillian Kimball; Toys and Balloons, John and Ginny Bourke; Gift Wrapping, Ceres Circle; Tree and Decorations, Monica Juffs, Joe Pettrone, Pete DeMaria and crew; Furniture, Dan Monaco, Bob Lamb, Wilson Hey and crew; Apples, Roger Way; Pianist, Wini Vittum; Operation Merry Christmas, Betty Porterfield; Publicity, Ada Hill; Odds and Ends, Joe Schohn, Carrie Hessney, Jeanne Cleere, Frances Wadhams, Clarie Osborne, George Kennedy, Mike Montgomery, and Pat Krauss.

FOOD SCIENCE SEMINARS

The Department of Food Science and Technology has scheduled the following seminars in the conference room of the Food Research Laboratory. The seminars will start at 4 p.m.

February	9—"Food Protection Committee," W. B. Robinson
	23—"Post-harvest Handling of Fruits for Processing," L. M. Massey
March	9—"Molecular Structure of Biological Activity," R. S. Shallenberger
	16—"Acid Profile of New York State Grapes," L. R. Mattick
April	6—"Studies on Heat Resistant Mold," D. F. Splittstoesser
	20—"Dry Caustic Peeling of Root Crops," C. Y. Lee
May	11—To be announced. L. R. Hackler
	25—"Conversion of Sauerkraut Waste to Useful Products," Y. D. Hang
June	8—"Lactic Acid Fermentation of Vegetables," J. R. Stamer

MEETINGS

Herb Aldwinckle, Plant Pathology, attended a meeting of the steering committee of apple disease workers from all parts of the country at Michigan State University, East Lansing on December 6-7. The committee decided to organize the group more formally as the "Apple and Pear Disease Workers," a continent-wide organization with objectives to improve communication, coordination, and cooperative efforts of apple and pear disease workers in research, extension, regulation, industry, and other functional areas. Herb was elected secretary.

Andy Granett and Jerry Uyemoto, Plant Pathology, attended the New York Academy of Sciences conference on Mycoplasma and Mycoplasma-like Agents of Human, Animal, and Plant Diseases on January 9-10 in New York City.

On January 16, Jerry Uyemoto presented testimony before a New York State Department of Agriculture and Markets hearing on regulations for the certification of virus-free grapes.

Mike Szkolnik, Plant Pathology, and Jim Cummins, Pomology and Viticulture, attended the annual meeting of the West Virginia State Horticultural Society at Charlestown on January 17-19. Mike gave a paper on "The Role of Fungicides in the Control of Brown Rot of Stone Fruit." Jim presented papers on problems encountered with apple rootstocks and on recent advances in peach rootstock research.

Henry Bennett and Betty Munzer, New York State Fruit Testing Cooperative Association; Don Downing and Bob LaBelle, Food Science; Bob Lamb, Dick Melious, Nelson Shaulis, John Einset, Malcolm Hill, Otis Curtis, Jim Cummins, Roger Way, John Watson, Don Ourecky, and Walt Kender, Pomology and Viticulture, attended the New York State Horticultural Society Annual Meetings in Rochester January 24-25. Nelson Shaulis and Stan Shepardson, Department of Agricultural Engineering, Ithaca, spoke on "Mechanical Pruning of Grape Vines—Progress 1968-1972." Walt Kender gave a talk on "Air Pollution Injury in New York Vineyards."

George Slate, Pomology and Viticulture, attended the annual meeting of the American Pomological Society in Columbus, Ohio on January 29-31. At the meeting, he presented the Wilder Medal, the premier award in American pomology, to Paul Stark, Sr. of Louisiana, Missouri. Mr. Stark is well known to Geneva pomologists. George is the retiring president of the American Pomological Society.

Don Downing and John Stamer, Food Science, participated in the meeting of the National Kraut Packers Association on December 14 at the Sheraton Airport Inn, Rochester.

Lou Massey, Food Science, attended the U.S.D.A. Northeast Marketing Conference, Group NEM-27 meeting as the Experiment Station's technical representative. It was held at Rutgers University, New Brunswick, New Jersey on December 12-14.

Chang Lee, Food Science, participated in the Group NEM-30 meeting December 12-13, which was also held at Rutgers.

Lou Massey, Ross Hackler, and Willard Robinson, Food Science, participated in the January 16-18, 1973 Cornell University Seminar, "Evaluating and Improving the Nutritional Quality of Food Crops."

Fred Taschenberg, entomologist at the Vineyard Laboratory, Fredonia, was in Geneva January 9 to participate in a grape and small fruit meeting.

Ken Trammel, Entomology, talked at the annual fruit schools in Niagara, Orleans, Monroe, and Wayne Counties on January 15-18.

Sieg Lienk, Entomology, was in Wilmington, Delaware December 12 and 13, where he presented a seminar on the use of petroleum oil and Benlate for controlling orchard mites and diseases on apple.

Ken Trammel attended the Connecticut Pomological Society meetings on December 5 and 6 and presented a talk on pest management on apples. He also presented a seminar December 18-19 and participated in a symposium on the use of pheromones in apple pest monitoring at the Pesticides Committee meeting of the Ontario Ministry of Agriculture and Food, Guelph, Ontario, Canada.

Ed Glass, Entomology, attended a meeting of the National Resources Committee in Syracuse January 15.

VISITORS

Dr. Ray Krause from Pennsylvania State University visited with members of the Plant Pathology Department January 16-17. He presented a Station seminar on application and implementation of computerized forecasts of potato late blight as a guide for timing fungicide sprays.

Harold DeBrine, Director of Raw Products Research, Curtice-Burns Company, spent January 12 visiting with the various research departments at the Station to become better acquainted with the researchers with whom he will be in contact in relation to his duties at Curtice-Burns. Mr. DeBrine is responsible for keeping his company informed about the latest developments in research that might have application to raw products handled by the firm.

RETIREMENT

Florence McGuigan retired from her position as laboratory assistant in the Department of Entomolo-

gy on December 31, 1972. She had worked 11 years in that department. Florence's career at the Station began in 1952 when she first worked in the Department of Pomology and Viticulture. Later, she was employed in the Department of Plant Pathology.

All Florence's Station friends wish her a long and happy retirement.

HEALTH REPORTS

Steve Cardinale, Plant Pathology, is convalescing satisfactorily at home following recent surgery in Geneva General Hospital.

Fred Principio, Greenhouse and Grounds, who recently had surgery in Strong Memorial Hospital, is now at home recuperating.

John Gigliotti, Sr., custodian in Hedrick Hall, is currently a patient in Geneva General Hospital.

DEATHS

We wish to express the heartfelt sympathy of the entire Station to: Florence McGuigan, Glenn McGuigan, and Bob Hefferon on the death of Clarence McGuigan on January 1, 1973; Bruce LeClaire on the death of his father, Carl LeClaire, on December 2, 1972; Art Morlang on the recent death of his half-brother; Rose McMillen, whose stepmother, Mrs. Lena Houck, died January 14, 1973; Stuart Bishop, whose father died December 6, 1972; and Nelson and Lillian Shaulis on the death of his mother, Minnie Shaulis.

HEALTH INSURANCE

Here is your yearly reminder that March 31, 1973 is the deadline for filing medical claims for expenses incurred during the calendar year 1972 and not paid by other provisions of your respective health insurance plans.

Statewide members (Blue Cross-Blue Shield, Major Medical) should mail their claims to the Finance and Business Office, B-22 Mann Library Building, Cornell University, Ithaca, N. Y. 14850.

Statewide members must be sure that drug bills have name of patient, date, prescription number, and cost; doctor bills must have name of member, name of patient (if claim is for a dependent), date and cost of each treatment, and brief diagnosis.

GHI members (Blue Cross-GHI) should mail theirs to the New York City address on the back of the claim form.

If anyone has questions or needs forms for either plan, call Kay Schurstedt, Personnel Office, Jordan Hall.

NOTES OF INTEREST

Morrie Vittum received the following note from Mary Trapphagen, widow of Parks Trapphagen, Wilson Hey's predecessor as farm superintendent. Morrie thought it might be of interest to her friends at Geneva. " Retired in 1971 and spent about 3 months each with my sons, James in Dayton, Ohio, and Robert in Clovis, New Mexico. Robert and his wife and children drove me up to San Jose, California, and I enjoyed Christmas with three of my children and their families. I am making my home at present here in San Jose with Bernice and her family."

Robert K. Neve, son of Maurice Neve of the Buildings and Properties Department, was recently selected for the Who's Who in National Colleges and Universities. He attends SUC at Fredonia and will be graduated with a Bachelor of Arts degree in May 1973. His majors are Speech and English.

Willard Robinson has been asked to judge at the First Annual Home Winemakers' Competition to be staged in San Francisco on February 23 and 24. The competition is sponsored by the American Wine Society, the National Association for the Specialty Food Trade, the National Industrial Recreation Association, and four wine magazines.

Ed and Nell Glass, Entomology, went to Honolulu, Hawaii early in December where Ed participated in a Pest Management Workshop sponsored by the East-West Center at the University of Hawaii. In addition to meeting many of Jim Hunter's friends, they visited with Mr. and Mrs. Al LaPlante and Larry Zuidema. They also took a trip to Kauai to see Ralph and Catherine Dean. All of these people send their best regards to their many friends in New York. The Deans have a very lovely home and are thoroughly enjoying their retirement in Hawaii. They hope to be on the mainland later this spring and may visit Geneva and the Hudson Valley.

JOB OPPORTUNITIES AT THE GENEVA STATION
January 31, 1973

Experimentalist 2 (NP-15)—Pomology and Viticulture; Temporary Service Professional—Vegetable Crops.

CLASSIFIEDS

TO RENT: Urgently need two or three bedroom apartment. Would be willing to rent with option to buy. Barbara Dunham, 787-2331.

FOR SALE: 8-room house, near downtown, gas heat, recent paint job, aluminum siding on back, in good condition. Phone 789-9226 anytime.

FOR SALE: 1968 Plymouth Satellite or 1966 Ford Custom 500. George Schaefers 787-2346.

COVER PHOTO

Our June in January weather has brought forth a deluge of spring blossoms, including our cover picture of forsythia which has been blooming happily in the Library for the past few weeks.

LABELLE RETURNS FROM SABBATICAL LEAVE

Bob LaBelle, Department of Food Science and Technology, returned on January 1 from a 6-month sabbatical leave spent in the Department of Nutrition and Food Science, Utah State University, Logan. Bob worked with Dr. K. K. Salunkhe on the dehydration of red tart cherries, the preparation of cherry fruit filling, and the processing of apple juice, using methods developed here at Geneva. He also assisted in teaching Dr. Salunkhe's classes in the storage and preservation of fruits and vegetables.

During his stay in Utah, Bob visited food processing plants and toured the Pacific Northwest for 2 weeks, including Idaho, Oregon, Washington, and British Columbia. He presented seminars on a variety of topics at Utah State, Oregon State, Washington State, and Brigham Young Universities and Southern

WEATHER

		Max.	Min.	Rain, Melted Snow, etc.	Snow, Sleet, Hail	Snow, Sleet, Hail, Ice on Gnd. (inches)
1972						
December	1	32	25	.45	4.7	5
	2	37	20	.09	2.2	7
	3	49	21	.01	tr.	5
	4	39	17	.01		3
	5	35	16	.55	2.5	6
	6	50	32			
	7	51	19	.28	.7	1
	8	29	10	.01	tr.	1
	9	28	26	.20		
	10	39	33	.05		
	11	36	19	.03	.1	
	12	28	20			
	13	49	26	.13		
	14	40	30			
	15	35	25			
	16	35	23	.55	5.5	6
	17	26	10	.15	2.5	6
	18	25	9	.03	.5	5
	19	31	23	tr.	tr.	4
	20	39	28	.04	tr.	2
	21	32	23	.03	.1	2
	22	38	28	.54		1
	23	35	32	.04		
	24	38	32			
	25	42	34			
	26	39	34			
	27	38	28	.04		
	28	33	27	.15	1.1	1
	29	32	12	tr.	.1	1
	30	34	15			
	31	54	34			
1973						
January	1	58	37	.08		
	2	44	21			
	3	30	20	tr.	tr.	
	4	35	24	.35		
	5	38	29	.01		
	6	30	11	.01	.2	
	7	13	8	tr.	tr.	
	8	12	-3	tr.	.1	
	9	12	-2	tr.	tr.	
	10	23	8	tr.	.1	
	11	24	9			
	12	22	13	tr.	.1	
	13	25	14		tr.	
	14	37	20		tr.	
	15	35	27	.01	.3	
	16	34	26			
	17	49	27			
	18	53	43			
	19	58	40			
	20	50	28	.01	.1	
	21	29	12			
	22	38	15			
	23	47	34	.26		
	24	39	30	.01	.1	
	25	34	21	tr.	.1	
	26	49	26			
	27	48	29			
	28	42	32	.03		
	29	41	12	.35	2.2	2
	30	15	8	tr.	.1	2
	31	27	-4	.03	1.6	3

Utah State College. He also addressed the Intermountain Section of the Institute of Food Technologists on sulfur dioxide technology and the Utah State Horticultural Society on the developments in apple and cherry processing.

Bob was accompanied in Utah by his wife, Mary, and the youngest of their four children, Remi, who attended Logan High School. They lived in an apartment in the married student housing where they were visited by an older son, Steve, who is studying Chinese at the Defense Language Institute, Monterey, California, and by Linda, who returned in August to attend Cornell with her older sister, Cathleen. The LaBelle family found the beautiful mountain-ringed Cache Valley a very pleasant place to live.

HIGH SCHOOL EQUIVALENCY COURSES

Here is an opportunity that should not be ignored! For the expenditure of a certain amount of time and effort, Geneva employees may take the program that will lead to a New York State High School Equivalency Diploma right here at the Station.

There will be no charge as the Personnel Department on the Ithaca campus is bearing the cost, plus time from duties being granted by department heads.

Classes start Tuesday, February 6. There will be two sessions a week, Tuesdays and Thursdays, from 3:15 to 4:45 p.m. in Jordan Hall.

If you are not sure what it's all about, come Tuesday at 3:15 and find out—you may even like it!

STATION CLUB TRAVELOGUES

Once again Station Club is sponsoring travelogues held at noon in the auditorium of Jordan Hall. The first one was held January 31 with Bob LaBelle as speaker. His travelogue was entitled "High and Low in Mexico." On February 14, Ada Hill will speak on "The Middle Fork of the Salmon River." And, on February 28, Roger Way will give a talk entitled, "Trip to Alaska." Everyone is invited to attend these very interesting and informative travelogues. So, plan on eating your lunch these 2 days in Jordan Hall and enjoying yourselves.

Looking further ahead, you might want to mark your calendars for the following travelogue that Ed Woodams, chairman, has also scheduled: March 7—"Australia and the Enchanting South Pacific Islands" by Anwar Khan.

CERES CIRCLE MEETS FEBRUARY 5

Ceres Circle will hold its next meeting Monday, February 5, at 8 p.m. at the home of Mrs. Donald Barton. Gertrude Catlin, photographer for the Entomology and Plant Pathology Departments, will speak on "The How of Good Pictures." Mrs. Alvin Braun is refreshment hostess, and Mrs. Harvey Brandt is program chairman.