



STATION NEWS

A House Organ for Station Employees
Not for Publication Without Consent

Vol. 94, No. 4
April, 1980

New York State Agricultural Experiment Station, Geneva

MEETINGS

Nathan Peck attended the Sweet Corn Conference at Kingston on March 6 and presented a paper on nitrogen use.

Tom Burr, Mike Szkolnik, Bob Seem, and Herb Aldwinckle (Plant Pathology) presented talks on April 1 and 2 at the Western New York Tree Fruit Schools.

Bob Pool, Pomology and Viticulture, participated in the April 1 Wine Industry Workshop where he presented a paper on, "Vineyard practices affecting wine quality."

Bill Bowers, Entomology, has had a heavy travel schedule recently. On April 1, he was in Washington, D. C. for a CSRS Grant review. Then, from April 19 through April 24 he was in Basel, Switzerland for a review of cooperative research with Ciba-Geigy.

Ed Glass, Entomology, participated in the Department of Entomology Review at the University of Massachusetts from April 4-20.

Audrey Gardner, Food Science, attended the Association of Official Analytical Chemists Spring Workshop in St. Louis, Missouri on April 7-10.

John Bourke and Terry Spittler, Food Science, attended an IR-4 Annual Meeting of the Project Committee on April 7-11 in Washington, D. C. and in Albany, N. Y.

Paul Baker, spent April 7-11 in State College, P.A., Washington, D.C., and College Park, M.D. participating in IR-4 Annual Meetings.

Mike Dickson, Seed and Vegetable Sciences, participated in the Eucarpia Conference on Breeding for Resistance to Insects and Mites in Vegetables at Canterbury, England on April 9-11. He also visited the National Vegetable Research Station at Wellesbourne.

Walt Kender, Bob Musselman, Dick Melious, Bob Dee, Charlotte Pratt, and Rich McMinn (Pomology and Viticulture) attended an Environmental Protection Agency sponsored workshop on Air Pollution Damage to Vegetation held at the Boyce Thompson Institute on April 10-11. Walt and Bob were invited speakers.

Tom Burr, Plant Pathology, presented a talk at the Grape Grower's Meeting, April 15, in Lockport.

Ada Hill, Entomology, attended the 40th Annual Meeting of the Acadian Entomological Society in Kentville, N.S., Canada from April 14-16.

Gil Stoewsand, Food Science, attended and participated in the "Mid-America Toxicology Course" on April 20-25 held at the University of Kansas Medical Center in Kansas City, Missouri. Gil also participated in a symposium on April 28-May 1 in Tampa, Florida on the "Evaluation of Health Risks Associated with Feeding Studies of Municipal Sludge and Sludge-Grown Crops." This was sponsored by the Institute of Food and Agricultural Sciences, University of Florida.

Rosario Provvidenti, Plant Pathology, returned April 14 from his trip to Tokyo where he participated in the meeting of the International Board Plant Genetic Resources con-

cerning the collections of *Brassica* and *Raphanus* species. He also participated in the First International Symposium on Chinese Cabbage which was held in Tsukuba, Japan from March 31 to April 5. He presented a paper at this symposium entitled, "Sources of resistance to turnip mosaic virus in Chinese cabbage." In Japan, and later in Korea and Taiwan, he visited seed companies and research institutions, including the Asian Vegetable Research and Development Center at Shanhua, Tainan (Taiwan).

Gary Howard, Pomology and Viticulture, and Don Splittstoesser, Food Science, attended the 30th Annual Horticultural Products Laboratory Wine Meeting on April 24 at Vineland, Ontario.

Bob Shallenberger, Food Science, served as Chairman for an International Food Enzyme Symposium in London, England. He also served as external examiner of two British Ph.D. candidates at the University of Reading, National College of Food Technology, Weybridge.

We welcome back to Geneva Keith and Maxine Steinkraus who returned from a sabbatic leave on April 1. Keith spent the first 6 months in the central research laboratories of Nestle Co. in La Tour-de-Peilz. In December, he lectured at the International Symposium on Microbiological Aspects of Food Storage, Processing, and Fermentation in Tropical Asia at Bogor (Indonesia) Agricultural University. This was followed by a United Nations Workshop on Research and Development Needs in the Field of Fermented Foods also held at Bogor. In January, he lectured for 1 week at the Institute of Microbiology and the University of Muenster in West Germany. The last week of February he returned to the University of Gottingen and completed 4 weeks of lectures on Food Fermentations. He presented a paper on "Rapid Fermentation of Ethanol of Levels of 18 per cent and Higher" at the International Symposium on Bioconversion and Bioengineering at the Indian Institute of Technology, Delhi during the first week of March. In mid-March, he lectured on Food Safety and Hygiene at the Annual Meeting of the Marine and Air Carriers in Frankfurt, Germany. On their return to this country, the Steinkrauses visited the VanBurens who are on sabbatical leave in London. Both couples took the opportunity to visit a number of museums, art galleries, and also went to the ballet.

VISITORS

Luis Lobos, Director of the Coopefrut Cooperative Agrícola Y Fruticolas de Curico Ltda., Curico, Chile, visited members of Pomology and Viticulture on April 14 and 15.

Professor R. Zabel and 15 students from the College of Environmental Science and Forestry at Syracuse visited Mike Szkolnik, Plant Pathology, on April 18. They stayed for a lecture and a tour, and were concerned with research on tree fruit disease control with fungicides.

Later in the month, Mike was visited by Dr. Angelo Longoni of Montedison, Milan, Italy, and an American representative of Montedison, Mr. Richard Schmit. They were interested in Geneva research on the control of brown rot of stone fruits with fungicides.

Visiting Andy Rao (Food Science) April 4 were three professors from the National University of Mexico (UNAM): Santiago Flores, Alvaro Leo Ramirez, and Anulfo Chavando Ramirez. They discussed food engineering programs on the Geneva and Ithaca campuses.

Dr. Gordon Birch, The University of Reading, visited Bob Shallenberger, Food Science, on April 18. Dr. Birch presented an informal seminar on Taste Perception.

Visiting Seed and Vegetable Sciences recently were Dr. T. Wojtaszek, Head, Department of Horticulture, Agricultural Academy, Krakow, Poland; Brian S. Deppe, Marks and Spencer, Ltd., London; and Gregory V. Varner, Michigan Dry Bean Association, Saginaw, Michigan.

We are pleased to welcome Dr. Yvonne Lespinasse who arrived February 29 from the INRA Pomology Research

Station at Angers, France. He is spending a 6 month's leave with Herb Aldwinckle (Plant Pathology) in cooperation with Bob Lamb (Pomology and Viticulture). Yves is here on grants from NATO and from the European Common Market. He is living with his wife, Monique, and two boys, Olivier (7) and Fabien (2) in the VanBuren home at 649 Castle Street.

Dr. A. deSilva Liyanage arrived April 1 from The Rubber Research Institute in Sri Lanka. He is on a fellowship from FAO to gain experience in aspects of plant disease (cytology), particularly with a leaf blight disease of rubber.

Dr. Mohamed M. Abouzie is a Visiting Fellow in Food Science working with Keith Steinkraus for a year. He is a researcher and lecturer in microbiology in the Department of Food Science and Technology, Monoufia University, Shebin El-Kom, Egypt. His wife, Enayat Ahmed Mahmoud Gomaa, also accompanied him to this country.

Dr. Daniel Meador, Extension Pomologist in the Department of Horticulture, University of Illinois, arrived April 8 to spend a 6-month sabbatic leave in Pomology and Viticulture. Dr. Meador received his B.S. degree from Louisiana State University, his M.S. degree from Missouri, and his Ph.D. degree from Kansas State University. While at the Station, Dan will work closely with several pomologists on problems of mutual interest to New York and Illinois.

APPOINTMENTS

Laurie Loncosky began temporary service work in the fire blight program with J. Norelli and Herb Aldwinckle, Plant Pathology, on April 7.

Bruce Keplinger has been appointed as summer help to work with Herb Gustafson and Herb Aldwinckle. Bruce began work April 7.

On April 10, Charles Linn began working for Wendell Roelofs as a postdoctoral associate in Entomology. Chuck received his Ph.D. from the University of California, Riverside. He will be working in the area of insect behavior with emphasis on the study of sex pheromone mediated behaviors in the Lepidoptera.

Mrs. Gwen Butler has been appointed Research Support Aide in Pomology and Viticulture. She will be working under the supervision of Bob Pool conducting a literature search on grapevine response to rootstocks and rootstock-soil type interactions.

Cheryl Schifferli is working 2 days a week in the Library as an Aide. Cheryl began on April 9 as a volunteer, was appointed to temporary service on April 30, and will be working at least until next October on a part-time basis.

Karen Rose began work on April 14 in the Vegetable Integrated Pest Management Program as a Pest Management Aide for John Andaloro.

Also new to the IPM program are Richard Cowles and Casey Hoy who will be working under the supervision of John Andaloro for the Vegetable IPM Program. Richard is the onion scout for Oswego County, and Casey is the cabbage scout for Ontario and Yates Counties.

Pomology and Viticulture has hired the following temporary workers to assist with spring and summer orchard and viticulture duties: Lynn Freeland, Diane Hilton, Steve Borglum, Michele Christensen, and Dave Gill.

RESIGNATION

Candy McArdle, Food Science, resigned her technician position on April 11. Candy worked with Audrey Gardner in the Feed and Fertilizer Section. Her husband, Kim, recently enlisted in the Air Force, and they are currently living in Biloxi, Mississippi.

NOTES OF INTEREST

David O'Beirne, graduate student in the Department of Food Science and Technology, recently completed re-

quirements for a Ph.D. degree under the direction of Jerry VanBuren. David has returned to his hometown of Dublin, Ireland.

Scott Johnson, Ph.D. candidate working under the supervision of Alan Lakso (Pomology and Viticulture, was presented with a College of Agriculture and Life Sciences "Outstanding Teaching Assistant" Award by Dean David Call at the recognition luncheon at the Statler Inn on April 28. Scott served as a Teaching Assistant for courses in Orchard Management.

Jim Tette and Tammy Caplan, Pest Management, held five SCAMP training sessions for extension agents and their secretaries during the week of April 14. One was held in Geneva and four others throughout the state.

Jim Hunter, Plant Pathology, returned April 1 from a 7-month sabbatical at the University of Wisconsin. While there, he attended classes and worked with Paul Williams and others on methods of screening and breeding disease resistant plants. During his sabbatical, he also visited Kansas State University to observe research on the regeneration of plants from cell cultures, and he visited the University of Nebraska to discuss research on white mold of beans.

Alan Lakso and his family left April 29 for a 6-month sabbatical leave at the Agricultural University, Wageningen, Netherlands. Alan will work with Professor Fritz Bierhuizen and Dr. Pete Hopmans of the Department of Horticulture on stress physiology of apple trees. Alan and Elaine's address is: Thorbeckestraat 408, Wageningen, The Netherlands. The will return to Geneva in November.

On May 4, the Department of Health, Education, and Welfare became the Department of Health and Human Services. Also, on that date, all education functions were transferred to the Department of Education.

SYMPATHY

We extend our sympathy to Al Braun, Emeritus Professor of Plant Pathology, on the recent loss of his father at the age of 98 in Florida.

CLASSIFIEDS

FOR SALE: 35 mm Olympus OM-10 camera. Excellent condition. Contact Janet Thomas. Ext. 314.

FOR SALE: Portable air condition unit like new. Window type with side extensions. Ideal for bedroom or den. Welbilt 115 v. 9.5 amp. 10.50 watts, 6,000 BTU hour cooling. For more information, call Helmuth Reinhardt at Ext. 220. Value \$185. Will take best offer over \$100.

WANTED: Room or apartment needed for male IPM program employee for summer months. Please contact Linda or Tammy at Ext. 206.

WANTED: Student is looking for employees interested in car pooling from Seneca Falls to Geneva this summer. If interested, please contact Diane at Ext. 277.

WANTED: Used playpen in good condition. Contact Judy at Ext. 248.

Dr. Mohamed Abouzied, visiting scientist in Food Science, and his wife need an apartment or house, preferably furnished for the coming 10 months. If you know of a place for rent, please call Ext. 276.

WEATHER

		Max.	Min.	Rain, Melted Snow, etc.	Snow Sleet Hail	Snow, Sleet, Hail, Ice on gnd. (inches)
April	1	40	29	.19		
	2	53	38			
	3	52	30			
	4	51	38	.07		
	5	56	33	.03		
	6	55	35			
	7	52	37			
	8	68	48			
	9	67	49	.04		
	10	66	44	.32		
	11	53	37	.02		
	12	50	37	.01		
	13	56	37	.23		
	14	49	35	.03		
	15	51	36	.54		
	16	49	25	.07	.3	
	17	31	25	.01		
	18	47	31	tr.		
	19	56	33			
	20	66	46			
	21	63	40	.04		
	22	61	34			
	23	53	30			
	24	60	35			
	25	54	40	.10		
	26	54	36	.13		
	27	60	35			
	28	55	40	.15		
	29	49	43	1.45		
	30	56	44	.14		

WEATHER

		Max.	Min.	Rain, Melted Snow, etc.	Snow Sleet Hail	Snow, Sleet, Hail, Ice on gnd. (inches)
May	1	65	45	.01		
	2	64	47			
	3	71	52			
	4	77	48			
	5	69	52			
	6	83	58			
	7	63	40	.04		
	8	64	36			
	9	53	39	tr.		
	10	55	38			
	11	65	45	.01		
	12	71	43	.11		
	13	66	49	.18		
	14	56	44	.25		
	15	55	41	.02		
	16	58	41			
	17	68	42			
	18	74	50	.26		
	19	68	55	.28		
	20	63	43			
	21	70	52			
	22	71	57			
	23	81	56			
	24	86	58			
	25	85	57			
	26	67	46			
	27	63	45			
	28	65	49			
	29	67	49			
	30	74	57			
	31	84	63	.11		

Station Calendar

FOR WEEK OF APRIL 6, 1980



CALENDAR OF EVENTS

- April 7—10:00 a.m.—Tour—Yates County Youth/Day Care Center
7—4:00 p.m.—Conference Room, Food Science and Technology Laboratory—Seminar
8—10:30 a.m.—Staff Room, Jordan Hall—Seed and Vegetable Sciences Seminar
8—10:30 a.m.—348 Morrison Hall, Ithaca—College Department Heads Meeting
9—7:00 p.m.—Staff Room, Jordan Hall—Finger Lakes Stamp Club
10—10:30 a.m.—Staff Room, Jordan Hall—Seed and Vegetable Sciences Seminar
10—2:00 p.m.—Tour—Conservation of Natural Resources Class, Geneseo
10—3:00 p.m.—Room A133, Entomology-Plant Pathology Laboratory—Plant Pathology Seminar
10—3:30 p.m.—Staff Room, Jordan Hall—Seed and Vegetable Sciences Seminar
11—8:00 a.m.—Auditorium, Jordan Hall—American Society for Microbiology, Central New York Branch Meeting
11-12—Ithaca—College of Agriculture and Life Sciences Advisory Council

SEMINAR-FOOD SCIENCE

Date: April 7, 1980
Time: 4:00 p.m.
Place: Conference Room, Food Science and Technology Laboratory
Speaker: Dr. Joe H. Hotchkiss
Public Health Service Staff Fellow
Food and Drug Administration
Washington, D. C.
Subject: N-nitrosamines in alcoholic beverages

SEMINAR-SEED AND VEGETABLE SCIENCES

Date: April 8, 1980
Time: 10:30 a.m.
Place: Staff Room, Jordan Hall
Speaker: Dr. Michael R. Becwar
Colorado State University
(candidate for Assistant Professor position)
Subject: Resistance to temperature stress in plants and seeds

SEMINAR-SEED AND VEGETABLE SCIENCES

Date: April 10, 1980
Time: 10:30 a.m.
Place: Staff Room, Jordan Hall
Speaker: Dr. Ahmad Mosafar
Texas Technical University
(candidate for Assistant Professor position)
Subject: Specific anionic effects on germination and seedling growth of wheat

SEMINAR-PLANT PATHOLOGY

Date: April 10, 1980
Time: 3:00 p.m.
Place: Room A133, Entomology-Plant Pathology Laboratory
Speaker: Dr. Norman Luepschen
Professor of Plant Pathology
Colorado State University
Subject: Biology and control of *Cytospora* canker in Colorado

SEMINAR-SEED AND VEGETABLE SCIENCES

Date: April 10, 1980
Time: 3:30 p.m.
Place: Staff Room, Jordan Hall
Speaker: Dr. A. Ilinsky
Visiting scientist from Russia
Subject: Remote sensing of damage in fruits and vegetables

NOTE

Children's Tuition Scholarship applications for the 1980-81 Academic year or the Fall Term should be submitted **before** June 1, 1980.

The applications are available in the Geneva Personnel Office, X203.

COMMUNITY CHEST/RED CROSS DRIVE-1980

The Station Community Chest Drive has exceeded its goal of \$5800 by \$322. I want to thank all who contributed to the success of this campaign, those who contributed so

generously, and especially to the Department Representatives for their efforts.

There are still a few cards that have not been returned. I would appreciate it if we could get these in and wrap up this very successful drive by Monday, April 7. Thanks again.

Bob Lamb
Chairman

CPR COURSE

The first class in CPR (Cardiopulmonary resuscitation) has been completed, and the second class is filling up quickly. Anyone interested in being included in the second class, which will run April 24, April 29, and April 30 from 7-10 p.m. at DeSales High School should contact Gail Hyde at ext. 214. *Note the time change to 7-10 p.m.*, which is being done to accommodate those who have to get home and feed a family before attending the class. Anyone who did not complete the first class may attend the second class sessions to finish up the sections and take the exam.

A third class will be scheduled at a later date, probably in May.

BOOK MISSING

Doesburg, J. J. Pectic substances in fresh and preserved fruits and vegetables. Wageningen, IBVT communication no. 25. Please return to Reg Walter, FST.

Station Calendar

FOR WEEK OF APRIL 13, 1980



CALENDAR OF EVENTS

- April 13—Recreation Field—Wendell Roelof's Twilight League Practice
14-15—8:00 a.m.—Staff Room, Jordan Hall—U. S. Census Training Program
16—10:00 a.m.—Tour—Palmyra-Macedon School
16—3:00 p.m.—Room A133, Entomology-Plant Pathology Laboratory—Plant Pathology Seminar
17—3:30 p.m.—Staff Room, Jordan Hall—Plant Science Seminar
18—12:30 p.m.—Ithaca—Agricultural Circle, Annual Meeting and Luncheon, Dr. Robert R. Crout, Assistant Editor of the Lafayette Papers: "Lafayette in the Age of the American Revolution"—Greystone Inn
19—8:00 a.m.—Auditorium, Jordan Hall—Empire State Gladiolus Society Meeting

SEMINAR-PLANT PATHOLOGY

- Date: April 16, 1980
Time: 3:00 p.m.
Place: Room A133, Entomology-Plant Pathology Laboratory
Speaker: Dr. Yves Lespinase
Visiting Plant Pathologist from INRA Pomology Research Station
Anger, France
Subject: Apple breeding at Anger INRA research station. Selection for resistance to scab, mildew, and rosy apple aphid. Genetic studies: selfing and haploidy.

SEMINAR-PLANT SCIENCE

- Date: April 17, 1980
Time: 3:30 p.m.
Place: Staff Room, Jordan Hall
Speaker: Dr. Cyrus Samimy
Seed and Vegetable Sciences
(candidate for Assistant Professor position)
Subject: "Anomalous temperature dependence of seedling development in some soybean cultivars" and "Induction of secondary dormancy in *Rumex crispus* L. seeds and its removal by kinetin, ethephon, and gibberellic acid."

Station Calendar

FOR WEEK OF APRIL 20, 1980



CALENDAR OF EVENTS

- April 23—3:00 p.m.—Tour—Students from Cobleskill
23—4:00 p.m.—Staff Room, Jordan Hall—Geneva
Faculty Meeting
23—7:00 p.m.—Staff Room, Jordan Hall—Finger
Lakes Stamp Club
23—7:00 p.m.—Conference Room, Jordan Hall—
Cooperative Extension Meeting
24—2:00 p.m.—Tour—Foreign exchange students
from Cornell
24—3:30 p.m.—Staff Room, Jordan Hall—Plant
Science Seminar
25—3:15 p.m.—Room 310, Entomology—Plant
Pathology Laboratory—Entomology
Seminar

SEMINAR—PLANT SCIENCE

Date: April 24, 1980
Time: 3:30 p.m.
Place: Staff Room, Jordan Hall
Speaker: Dr. Weislaw Oleszek
Institute of Soil Science
and Plant Cultivation
Pulaway, Poland
Subject: Glycoalkaloids in Solonaceae

SEMINAR—ENTOMOLOGY

Date: April 25, 1980
Time: 3:15 p.m.
Place: Room 310, Entomology—Plant
Pathology Laboratory
Speaker: Dr. Rene Seyereisen
Subject: Regulation of ecdysone titers in *locusta*

NOTES

Marsh and McLennan, carrier for the automobile insurance available to Cornell employees has changed its name to William E. Mercer, Inc. (607-257-2160). If you have any questions regarding this insurance, contact them directly.

The Director's Office received a letter from the Geneva Chapter of the American Red Cross thanking Station employees who participated in the Blood Bank on April 1, 1980. Red Cross collected 202 pints of blood from 236 donors which is the largest amount collected at one time since 1969. The American Red Cross sends its most grateful thanks and appreciation not only for your blood but also for being so gracious and patient while waiting in the long lines.

We also wish to congratulate Experiment Station employees for their generous contributions to the United Way-Red Cross campaign once again this year. At last tally, the Station had raised \$6,334 for 110 per cent of its goal. This is truly giving your fair share to this fine organization. At a mid-report session Wednesday noon, the Educational Division of the Chest was able to report attaining 84 per cent of its goal, by far the division that was furthest toward its total goal in the entire Chest. Other institutions in the Educational Division include Hobart and William Smith Colleges, Lochland School, and the Public and Private schools. A special thanks go to Bob Lamb, Pomology and Viticulture, and to all his outstanding workers for conducting this highly successful campaign at the Station. Most importantly, however, is a special thank you to all those employees who gave so generously to the Chest.

Station Calendar

FOR WEEK OF APRIL 27, 1980



CALENDAR OF EVENTS

April 29—8:30 a.m.-2:30 p.m.—Staff Room, Jordan Hall—
Department Program Conferences
29-30—9:00 a.m.—Conference Room, Food Science
and Technology Laboratory—National Kraut
Packers Association Workshop
May 1—10:45 a.m.—Tour—CCFL
1—2:00 p.m.—Tour—CCFL
2—9:30 a.m.—Tour—CCFL

TELEPHONE NOTES

When making operator-assisted over-seas calls, please give your own telephone number to the operator rather than letting the operator use one of our trunk lines. This will simplify our identification of the caller. Thank you.

Joyce Batson

BEN CLARK RECOGNITION NIGHT

A party honoring Dr. B. E. Cark, who is retiring June 30 after 33 years of service at the Experiment Station, will be held at the Lionstone Restaurant on Friday evening, June 13. Persons wishing to attend may obtain reservation forms from departmental secretaries. Put the date in your calendar now. Since there will be limited seating at the restaurant, your early response will guarantee you a seat.

SHARED TRAVEL REQUEST

If anyone is planning on taking the statistics course at Cornell University on June 2-6 as recently mentioned in the Faculty notice, please let Des Dolan know at 244 so that transportation can be consolidated and shared.

SIGMA XI LECTURE

Sigma Xi is holding its annual dinner for members and their guests on Wednesday, April 30 at the Faculty Dining Room in Gulick Hall on the campus of Hobart and William Smith Colleges. A cash bar will be open from 5:45-6:15 p.m. with dinner being served promptly at 6:20 p.m. Cost of dinner is \$8.75, and the menu is fruit cup, London broil, tossed salad, beverage, dessert, and a dinner wine.

Speaker for the evening is Dr. F. Harvey Pough, Professor of Herpetology at Cornell University. His topic is, "Ecological Consequences of Reptilian Physiology: Is a Lizard a Good Model for a Dinosaur?" This lecture will be held in the Sanford Room of the Library on the campus of Hobart and William Smith Colleges.

Please make your reservations with C. Y. Lee at the Station (271) or Lois F. Nellis at Hobart and William Smith no later than Monday, April 28.

NOTICE

Construction on the storage shed next to the pavilion will begin shortly. During this period, lumber and other materials will be stored in the pavilion for protection from the weather. Station Club regrets any inconvenience this may cause individuals and groups using the pavilion. Remember, if you want to reserve the pavilion, please call Sue Dwyer at 244.

YEAR END CLEARANCE SALE

The Fruit Testing Association is planning on making high-quality nursery stock available to Station employees at a reduced rate of up to 50 per cent off the base price. This is a cash and carry sale. No replacements will be offered.

Orders will be taken by telephone (205) Wednesday, April 30, and may be picked up on Friday, May 2 after 5 p.m.