

**Joint Meeting of the  
Northeastern  
and  
Potomac  
Divisions  
American Phytopathological Society  
Program**

**October 17-19, 2001**

**Radisson Hotel & Conference Center  
Cromwell, Connecticut**

**Northeast Division Officers 2000-2001**

Bruce B. Clarke, President  
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**Local Arrangements 2000-2001**

Wade Elmer, Chairman  
Jim LaMondia  
Susanne Beck von Bodman

*University of Connecticut and the  
Connecticut Agricultural Experiment Station*

## Wednesday, 17 October

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- 8:30 AM-12:30 PM Forestry tour:  
Chestnut Blight Research & Dinosaur State Park  
Meet in lobby  
Tour leader: Sandra Anagnostakis
- 12:00-1:00 Lunch on your own
- 12:00-7:00 Registration – Room 101
- available at all times Speaker Preparation  
Room 103  
Key available at front desk  
(Please lock door and return key)
- 1:00-4:00 Extension Meeting  
Comfort Inn  
(across street from Radisson)  
Presiding: Cheryl Smith  
Secretary: Steve Johnson
- 4:00-5:00 Industry Meeting  
Comfort Inn  
(across street from Radisson)  
Presiding: Mike Agnew
- 5:00-6:30 Executive and Local Arrangements  
Committees — Room 352
- 6:00-6:30 Graduate Student Awards  
Committee Meeting —  
Room 105  
Key available at front desk  
(Please lock door and return key)
- 5:00-7:00 Dinner on your own
- 7:00-10:00 Social and  
Phytopathological Jeopardy Game  
Light snacks/drinks/cash bar  
Middlesex Room

## Thursday, 18 October

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- available at all times      Speaker Preparation  
Room 103  
Key available at front desk  
(Please lock door and return key)
- 7:30 AM – 12:00 Noon      Registration – Room 101
- 8:00-10:00      **Symposium: Sampling plant pathogens with an eye on impact, genetics and spatial structure  
Crown 1 and 2**  
Presiding: P. Oudemans  
Assisting: E. Weibel
- 8:00      INTRODUCTION AND SAMPLING FOR BIODIVERSITY  
Peter Oudemans, Rutgers University, NJ
- 8:30      STRATEGIES FOR INVESTIGATING SPATIAL STRUCTURE  
Sherri Morris, Bradley University, IL
- 9:00      SAMPLING FOR ANSWERS  
William Turechek, Cornell University, NY
- 9:30      A SAMPLING STRATEGY FOR DETERMINING SPATIAL & TEMPORAL PATTERNS IN PLANT PATHOGENS  
Andrew Jarosz, Michigan State University
- 10:00-10:30      Coffee Break—Crown Foyer
- 10:30-Noon      **Contributed Paper Session A:  
Molecular Biology/Fungal Diseases  
Crown 1**  
Presiding: R. Mulrooney  
Assisting: G. Towers
- 10:30      MOLECULAR PHYLOGENETIC ANALYSIS OF *FUSARIUM AVENACEUM* FROM LISIANTHUS. *F.A. Nalim*, D.M. Geiser, W.H. Elmer, R.J. McGovern and B.K. Harbaugh, Pennsylvania State University, The Connecticut Agricultural Experiment Station, and University of Florida
- 10:45      DEVELOPMENT OF A SCAR-PCR ASSAY TO DETECT *COLLETOTRICHUM COCCODES*, A BIOLOGICAL CONTROL AGENT OF VELVETLEAF.  
*A.L. Dauch*, A.K. Watson and S.H. Jabaji-Hare, McGill University
- 11:00      MOLECULAR CLONING OF THE GENE ENCODING CHITINASE FROM THE MYCOPARASITE *STACHYBOTRYS ELEGANS*.  
*D. Morissette*, G. Taylor, and S. Jabaji-Hare, McGill University

- 11:15 PURIFICATION AND PARTIAL CHARACTERIZATION OF A BETA-1,4-N-ACETYL-GLUCOSAMINIDASE FROM THE MYCOPARASITE *STACHYBOTRYS ELEGANS*.  
*G. Taylor, P. M. Charest and S. Jabaji-Hare, McGill University and Université Laval*
- 11:30 FUNGICIDAL CONTROL OF POWDERY MILDEW OF FLOWERING DOGWOOD IN DELAWARE. *R.P. Mulrooney and N.F. Gregory, University of Delaware*
- 11:45 FORMATION AND SURVIVAL OF ASCOMATA OF THE CUCURBIT POWDERY MILDEW. *N. Shishkoff and M.T. McGrath, Cornell University*
- 10:30-Noon **Contributed Paper Session B:  
Vegetable Diseases/Molecular Biology  
Crown 2**  
Presiding: S. Johnston  
Assisting: E. Weibel
- 10:30 EVALUATION OF VARIETAL RESISTANCE FOR CONTROL OF PHYTOPHTHORA BLIGHT OF PEPPERS. *S.A. Johnston, M. L. Fogg, W.L. Kline and S.A. Garrison, Rutgers University*
- 10:45 EVALUATION OF MEFENOXAM APPLICATION METHODS AND TIMING INTERVALS FOR CONTROL OF PHYTOPHTHORA BLIGHT OF PEPPER. *M.L. Fogg and S.A. Johnston, Rutgers University*
- 11:00 DETECTION OF THE ARBUSCULAR MYCORRHIZAL FUNGUS *GLOMUS INTRARADICES* USING SPECIES-SPECIFIC PCR PRIMERS. *B. Duval, M. Fillion, Y. Dalpé, M. St-Arnaud, C. Hamel, S.H. Jabaji-Hare, McGill University*
- 11:15 USE OF QUANTITATIVE REAL-TIME PCR TO MONITOR FUNGAL POPULATIONS IN SOIL. *M. Fillion, M. St-Arnaud, C. Hamel, and S.H. Jabaji-Hare, McGill University and I.R.B.V., Montreal*
- 11:30 ISOLATES OF *PHYTOPHTHORA INFESTANS* THAT INFECT *PETUNIA X HYBRIDA* AND *NICOTIANA BENTHAMIANA* ALSO PRODUCE INF1. *M.C. Rathbone, Cornell University*
- 11:45 QUINONE REDUCTION SYSTEMS OF THE BROWN ROT FUNGUS *GLOEOPHYLLUM TRABEUM*. *W. Qi and J. Jellison, University of Maine*
- 12:00-1:30 Lunch on your own
- 1:30-2:15 **MOLECULAR BIOLOGY KEYNOTE ADDRESS:**  
GENOMICS OF PLANT PATHOGENS: LEARNING THAT THEY ARE SMARTER THAN WE THOUGHT. Noel Keen, President of APS, University of California-Riverside—Crown 1 & 2  
Presiding: B. Clarke  
Assisting: E. Weibel
- 2:15-2:45 Coffee Break  
Crown Foyer

- 2:45-4:00     **Contributed Paper Session C:  
Disease Resistance and Control/Epidemiology  
Crown 1**  
Presiding: M.T. McGrath  
Assisting: M. Filion
- 2:45           Presentation has been cancelled.
- 3:00           EARLY BLIGHT RESISTANCE IN AN F1 DIPLOID HYBRID POTATO  
POPULATION OF *SOLANUM PHUREJA* X *S. STENOTOMUM*. R. Zhang,  
B.J. Christ, and K.G. Haynes, Pennsylvania State University and USDA/ARS  
Vegetable Lab, Beltsville, MD
- 3:15           RESPONSE OF BENTGRASS CULTIVARS TO DOLLAR SPOT UNDER  
DIFFERENT CULTURAL AND CHEMICAL MANAGEMENT PRACTICES.  
*J.N. Vaiciunas*, J.A. Murphy and B.B. Clarke, Rutgers University
- 3:30           EVALUATION OF FUNGICIDE ALTERNATIVES TO CHLOROTHALONIL  
AND RESISTANT CULTIVARS FOR MANAGING CUCURBIT POWDERY  
MILDEW. *M.T. McGrath*, Cornell University
- 3:45           EPIDEMIOLOGICAL SIGNIFICANCE OF *PHYTOPHTHORA* SPECIES IN  
RECYCLED IRRIGATION WATER TO ORNAMENTAL PRODUCTION. *C.*  
*Hong*, P. Kong, and P.A. Richardson, Virginia Tech
- 2:45-4:00     **Contributed Paper Session D:  
Ornamentals/Host-Parasite Interactions  
Crown 2**  
Presiding: M. Daughtrey  
Assisting: C. Labbé
- 2:45           SAMPLING OOMYCETES FROM VARIOUS SUBSTRATES AND HOSTS IN  
FLOWER PRODUCTION GREENHOUSES. *N. Shishkoff*, J. Knoedler and M.  
Daughtrey, Cornell University
- 3:00           SPECIES OF *PYTHIUM* ASSOCIATED WITH GREENHOUSE FLORAL  
CROPS IN PENNSYLVANIA. *G.W. Moorman*, S. Kang, D. Geiser, and S.H.  
Kim, Pennsylvania State University & PA Dept. of Agric.
- 3:15           SENSITIVITY OF *PYTHIUM* ISOLATES TO METALAXYL. *R.L. Wick* and  
M.B. Dicklow. University of Massachusetts
- 3:30           PATHOGENICITY OF *PHYTOPHTHORA* SPECIES ISOLATED FROM A  
RECYCLED WATER IRRIGATION SYSTEM IN VIRGINIA. *E.A. Bush*, C.  
Hong and E.L. Stromberg, Virginia Tech
- 3:45           QUORUM SENSING REGULATION EFFECTS SURFACE ATTACHMENT  
AND DISSEMINATION IN *PANTOEA STEWARTII* SUBSP. *STEWARTII*. *T.*  
*Minogue*, M. Koutsoudis, and S. Beck von Bodman, University of Connecticut

- 4:15-5:00 **Joint Business Meeting of the Northeastern and Potomac Divisions of APS – Crown 1 and 2**
- 5:00-6:00 NED Business Meeting-  
Crown 1
- 5:00-6:00 Potomac Business Meeting-  
Crown 2
- 6:00-6:30 **NED-APS Committee Chairs and Vice Chairs**  
Room 103
- 6:00-6:30 **Graduate Student Awards Committee**  
Room 105 (Key at front desk. Please lock door and return key).
- 6:30-7:15 **Social/Cash Bar** – Magician Ray Lizotte  
Nutmeg Room
- 7:15-9:00 **Banquet**  
Nutmeg Room

### Friday, 19 October

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- available at any time Speaker Preparation Room 103  
Key available at front desk.  
(Please lock door and return key)
- 8:30-11:30 **Contributed Paper Session E:  
Techniques/Host Factors/ Disease Management  
Middlesex Room**  
Presiding: W. Turechek  
Assisting: S. Lamoureux
- 8:30 FACTORS AFFECTING PHOTOSYNTHESIS REDUCTION AFTER OIL APPLICATION TO GRAPEVINE. *A. Baudoin* and T.K. Wolf, Virginia Tech
- 8:45 ISOLATION OF PLANT DEFENSE GENES EXCLUSIVE TO THE ARBUSCULAR MYCORRHIZAL SYMBIOSIS. *J.M. Lerner* and R.L. Wick, University of Massachusetts
- 9:00 ACIDIFIED ELECTROLYZED WATER (AEW) FOR SURFACE STERILIZATION OF TELIOSPORES. *M.R. Bonde* and S.E. Nester, USDA-ARS-FDWSRU
- 9:15 *COLLETOTRICHUM GLOEOSPORIOIDES* CAUSES SEVERE ANTHRACNOSE DISEASE ON PEPPER IN VIRGINIA. *S. Alexander* and J.K. Marvel, Virginia Tech

- 9:30 HOW INOCULUM CYCLING HAS CONTRIBUTED TO RE-EMERGENCE OF *PENICILLIUM EXPANSUM* AS A SIGNIFICANT POSTHARVEST PROBLEM IN APPLES. *D.A. Rosenberger, C.A. Ahlers, F.W. Meyer, and K.L. Van Camp, Cornell University*
- 9:45 CONTROLLING *PENICILLIUM EXPANSUM* IN APPLES WITH POSTHARVEST APPLICATIONS OF FLUDIOXONIL. *D.A. Rosenberger, F.W. Meyer, C.A. Ahlers, and K.L. Van Camp, Cornell University*
- 10:00-10:30 Coffee break
- 10:30 MEASURING CHANGES IN STRESS INDICATORS IN LIMED SUGAR MAPLE IN NORTH CENTRAL PENNSYLVANIA ON THE ALLEGHENY PLATEAU. *P.M. Wargo, R. Minocha, B.L. Wong, R.P. Long, S.B. Horsley and T.J. Hall, USDA Forest Service, Northeastern Research Station and PA Bureau of Forestry*
- 10:45 DISPLACEMENT OF THE *PHYTOPHTHORA INFESTANS* POPULATIONS IN TAIWAN. *K.L. Deahl, L.R. Cooke, L.L. Black, T.C. Wang, and R. Jones, USDA, Beltsville; Cooke-Queens University, UK; AVRDC, Taiwan, ROC*
- 11:00 A METEOROLOGICAL METHOD FOR DETERMINING THE RATE OF SPORE RELEASE FROM A SOURCE OF INOCULUM. *D.E. Aylor, Connecticut Agricultural Experiment Station*
- 11:15 PRELIMINARY GREENHOUSE EVALUATION OF *RAMULARIA CRUPINAE* FOR BIOLOGICAL CONTROL OF *CRUPINA VULGARIS*. *F. Eskandari and W.L. Bruckart, USDA-ARS, Ft. Detrick, MD*
- 8:30-11:30 **Contributed Paper Session F:  
Disease Management /Turf & Fruit Diseases  
Coach Room**  
Presiding: V. Philion  
Assisting: A. Dauch
- 8:30 EFFECT OF LEAF WETNESS FREQUENCY AND DURATION DURING SPRING ON THE TOTAL ASCOSPORE PRODUCTIVITY OF *VENTURIA INAEQUALIS*. *V. Philion, IRDA, St-Hyacinthe, Quebec*
- 8:45 SPATIAL AND TEMPORAL VARIABILITY OF *PHYTOPHTH-ORA*, SOIL PROPERTIES, AND YIELD WITHIN A COMMERCIAL CRANBERRY BED IN NEW JERSEY. *L. Pozdnyakova and P. Oudemans, Rutgers University*
- 9:00 EFFECTIVENESS OF PROHEXADIONE-CA (APOGEE 27.5DF) FOR SHOOT BLIGHT SUPPRESSION IN COMMERCIAL APPLE ORCHARDS. *K.S. Yoder, A.R. Biggs and J.L. Norelli, Virginia Tech, West Virginia University and USDA-ARS, AFRS, Kearneysville, WV*
- 9:15 DETECTION OF *GAEUMANNOMYCES GRAMINIS* VAR. *TRITICI* IN PLANTS AND FROM SOIL USING PCR. *I. Genowati, E.L. Stromberg, and G.H. Lacy, Virginia Tech*

- 9:30 IMPACT OF TEMPERATURE AND FUNGAL ISOLATE ON THE SUSCEPTIBILITY OF BENTGRASS CULTIVARS TO TAKE-ALL PATCH. *E. Weibel*, L. Tredway and B.B. Clarke, Rutgers University and University of Georgia
- 9:45 IMPACT OF LIMING AND NITROGEN ON THE SEVERITY OF SUMMER PATCH IN KENTUCKY BLUEGRASS. *G. Towers*, W. Hill, J. Heckman, B. Clarke and J. Murphy. Rutgers University
- 10:00-10:30 Coffee break
- 10:30 PRELIMINARY HOST RANGE STUDIES OF *COLLETOTRICHUM GLOESPORIOIDES* FOR BIOLOGICAL CONTROL OF RUSSIAN THISTLE. C. Cavin and *W.L. Bruckart*, USDA-ARS, Ft. Detrick, MD
- 10:45 THE CURRENT STATUS OF MUMMY BERRY ON BLUEBERRY IN NORTH AMERICA. *L. Wasilwa*, P.V. Oudemans and J.S. Lehman, Rutgers University and Otterbein College, Westerville, Ohio
- 11:00 RESERVOIRS OF *COLLETOTRICHUM ACUTATUM* IN DORMANT AND GROWING HIGHBUSH BLUEBERRY. *A. DeMarsay* and P.V. Oudemans, Rutgers University
- 11:15 INTEGRATING TRIFLOXYSTROBIN AND KRESOXIM-METHYL INTO APPLE DISEASE CONTROL PROGRAMS. *D. A. Rosenberger*, F.W. Meyer, C.A. Ahlers, and K.L. Van Camp. Cornell University
- 8:00-12:30 **Industry Seminar on Diseases of Herbaceous Perennials (by pre-registration only)**  
Connecticut Cooperative Extension and Northeast Division APS  
Crown 1 & 2  
Presiding: M. Brand  
Assisting: R. Hiskes & M. Rathbone
- 8:00 Registration, Coffee and Pastries
- 8:30 Nematode Diseases  
*Jim LaMondia*, CT Agricultural Experiment Station
- 9:00 Viral Diseases of Herbaceous Perennials  
*Ethel Dutky* and *David Clement*, University of Maryland
- 9:30 Fungicide Management  
*Rob Wick*, University of Massachusetts
- 10:00-10:30 Coffee Break: Visit Publication Table & See Diagnostic Samples
- 10:30 Management of Root Rots in Herbaceous Perennials  
*Wade Elmer*, CT Agricultural Experiment Station
- 11:00 Control of Powdery Mildew and Downy Mildew  
*Margery Daughtrey*, Cornell University

- 11:30 Insect Pest Management  
*Tim Abbey*, CT Agricultural Experiment Station
- 12:00 Weed Management  
*Todd Mervosh*, CT Agricultural Experiment Station
- 12:30 Adjourn—Pesticide Credits Available