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The American Phytopathological Society

# AMERICAN PHYTOPATHOLOGICAL SOCIETY **SOUTHERN DIVISION** **NEWSLETTER**

## DECEMBER 2003

### DATES TO REMEMBER

#### January 15, 2004

- ☞ Deadline for room reservations at the Adam's Mark Hotel and Double Tree Hotel Tulsa.

#### February 13, 2004

- ☞ Deadline for SDAPS Vice President and Councilor ballots to Bob McGovern (pages 1-2, 9).

#### February 15-17, 2004

- ☞ 81<sup>st</sup> Annual SDAPS Meeting, Tulsa, OK.

### 81<sup>ST</sup> SDAPS MEETING

The 81<sup>st</sup> annual meeting of the American Phytopathological Society, Southern Division, will be held February 15-17, 2004, in Tulsa, OK. We will meet with the Southern Association of Agricultural Scientists (SAAS).

The suggested hotel for SDAPS attendees is the Adam's Mark Hotel, 100 East 2<sup>nd</sup> Street, Tulsa, OK, 74103, Phone: 918-582-9000, Fax: 918-560-2232, <http://www.adamsmark.com/tulsa/index.asp>. (\$96/night for single room or \$110/night for double room). **Adam's Mark Reservations should be made by calling 1-800-444-2326 and asking for the Southern Association of Agricultural Scientists group rate.**

Alternatively, reservations can be made at the Double Hotel Tulsa - Downtown, 616 West 7th Street, Tulsa, OK, 74127, Phone: 918-587-8000, Fax: 918-587-3001. **Doubletree Reservations should be made by calling 1-918-587-8000 and asking for the Southern Association of Agricultural Scientists group rate.**

For more meeting information, see the SAAS web page: <http://www.saasinc.org/TulsaHotellInfo.asp>.

**Deadline for room reservations at both hotels is January 15, 2004.**

### MEETING REGISTRATION

**REMINDER: Registration fees at the SDAPS meeting MUST be paid by check (preferred) or cash. Credit cards CANNOT be processed.** Registration will be held on-site: Sunday, February 15, 8:00 a.m. to 4:00 p.m., Monday, February 16, 8:00 a.m. to 4:00 p.m., and Tuesday February 17, 8:00 a.m. to 2:00 p.m. The SAAS registration fee is \$40.00 for faculty and \$5.00 for students. There will also be a separate SDAPS registration fee.

### VOTE FOR VICE PRESIDENT COUNCILOR

The **Vice President** is responsible for program development for the annual meeting and for membership and will become President Elect upon completion of their term of office. The candidates are **Richard Raid** and **Craig Rothrock**.

**Richard Raid** is a Professor of plant pathology with the University of Florida, Institute of Food and Agricultural Sciences. Raid has a dual research and extension appointment and has worked with vegetable and sugarcane producers on improved methods of plant disease control, emphasizing integrated systems. He served as Editor-in-Chief of Fungicide and Nematicide Tests and is a Senior Editor for Plant Health Progress. Raid has also served as chair/vice chair for a number of APS committees, including the Chemical Control, New Fungicide and Nematicide Data, Pathogen Resistance, and Youth Programs committees. He

currently oversees a large school gardening initiative in Florida, known as Students SOAR (Sharing Our Agricultural Roots).

**Craig Rothrock** is a professor of plant pathology with the University of Arkansas. His responsibilities include research on the ecology and control of soilborne pathogens on row crops, including cotton, soybean, rice and wheat. Rothrock's instructional activities have included Principles of Plant Pathology and a portion of the courses Ecology and Epidemiology and Diseases of Economic Crops. He has served as feature and senior editor of Plant Disease and as a member of the APS Teaching, Soil Microbiology and Root Diseases, and Integrated Pest Management committees, and the Ad Hoc Committee on Publication for Communicating with External Audiences of the APS. Rothrock also serves on the SDAPS Outstanding Plant Pathologist Committee.

The **Councilor** serves a 3-year term as the representative of our division on the APS council. The councilor is a member of the Annual Meeting Site Selections and Nominations Committees of the Society. The councilor serves as the liaison between the council of the parent society and the officers and members of the division. The candidates are **Gerald Holmes** and **Mani Skaria**.

**Gerald Holmes** is an associate professor and extension plant pathologist with North Carolina State University. His extension responsibilities include disease management in vegetable crops. Holmes teaches a graduate-level course (Plant Disease Principles, Diagnosis and Management) designed for county educators, industry personnel, and non-plant pathology graduate students. He has served as a section editor of B&C Tests and a member of a number of APS committees including the Postharvest Pathology, Illustrations, and Extension committees.

**Mani Skaria** is a professor of plant pathology with Texas A&M University. His responsibilities include research and extension work in foliar and soil-borne fungal pathogens, virus and viroids, bacteria, nematode, and postharvest diseases of citrus. In addition, he has been involved in team teaching graduate courses and continuing education. He developed a microbudding technique for rapid production of grafted citrus trees and has been studying the occurrence and management of mold growth in building environments. Skaria has served on the Joint Committee of Women in Plant

Pathology and Cultural Diversity, Environmental Quality and Plant Health Committee, and Tropical Plant Pathology Committee of the APS (Chair).

## PAYMENT FOR ABSTRACTS

**Abstract fees, if paid by the deadline (November 14, 2003) were \$45.00, \$50.00 if more than 30 days late, and \$55.00 if paid at the meeting.** Payments for abstracts should be **sent directly to the SDAPS secretary/treasurer**, NOT to the President Elect. **Send your invoice (page 8) plus check made payable to "SDAPS"** (NOT payable to APS) to Bob McGovern, University of Florida 1453 Fifield Hall, Gainesville, FL 32611-0680. **Please use the invoice on page 9 so that payments can be matched with abstracts.**

Do **NOT** send purchase orders or direct vouchers because they require extra handling and postage. An abstract fee credit for papers not presented at the meeting can be used for the next SDAPS meeting. RECEIPTS for abstracts may be requested at the meeting but they cannot be mailed in advance.

**DIGITAL PRESENTATIONS SHOULD BE SAVED IN POWERPOINT FORMAT ON COMPACT DISKS (CDs - CD-R/RW). A 35mm SLIDE PROJECTOR WILL ALSO BE AVAILABLE.**

## SOUTHERN DIV. OFFICERS

### President

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## COMMITTEES

**Archives**

Christopher A. Clark (LA)

**Finance**

TBA

**Graduate Student Awards**

Barbara J. Smith (MS)  
 Albert K. Culbreath (GA)  
 Others TBA

**Program**

D. Michael Benson, Chair (NC)

**Outstanding Plant Pathologist**

Steven Kammerer - Industry (FL), Chair  
 Craig Rothrock - Teaching (AR)  
 John L. Sherwood - Administration (GA)  
 Anthony P. Keinath - Research (SC)  
 Larry W. Barnes (TX)

**Resolutions**

John L. Sherwood - (GA)

**Local Arrangements**

John P. Damicone

**REMEMBER TO SEND YOUR VOTE  
 FOR V.P. AND COUNCILOR TO BOB  
 MCGOVERN**

**Southern Division American Phytopathological Society  
2004 Meeting Program  
Adam's Mark Hotel  
Tulsa, OK**

**Sunday afternoon: February 15, 2004**

12:00-4:00 p.m.      **Registration** (Second Floor Lobby)

1:20-1:30      **Welcome** -- John Damicone, SDAPS President, (Oklahoma Room)

Contributed papers -- Melinda Sullivan, N. Carolina State University, Raleigh, presiding, (E. Cantonwine assisting)

1:30-1:45      **Fungicide management of fruit diseases of strawberry in Louisiana and Mississippi.** B.J. SMITH (1), R.J. Constantin (2), J.P. Quebedeaux (2), D.E. Wedge (3). (1) USDA-ARS, Poplarville, MS 39470; (2) Louisiana State University, Hammond Research Station, Hammond, LA; (3) USDA-ARS, University, MS.

1:45-2:00      **Relationships between weather factors and sorghum ergot severity in the Texas Panhandle.** F. WORKNEH and C.M. Rush. Texas Agricultural Experiment Station, Bushland, TX 79012.

2:00-2:15      **Comparing disease assessments methods for late season foliar diseases of wheat.** K. STEDDOM (1), M. McMullen (2), B. Schatz (3), and C.M. Rush (1). (1) Texas Ag. Exp. Sta., Bushland, TX 79012. (2) Dept. of Plant Path., NDSU, Fargo, ND 58105. (3) NDSU, Carrington, ND 58421.

2:15-2:30      **Effect of seed size on uniformity of growth of hydroponically grown wheat seedlings.** T.B. Trent (1), R.M. HUNGER (2), B. Olson (2), and M. Payton (3). (1) Heifer International, Little Rock, AR, (2) Department of Entomology and Plant Pathology, and (3) Department of Statistics, Oklahoma State Univ., Stillwater, OK 74078.

2:30-2:45      **Effect of bird cherry-oat aphids and barley yellow dwarf virus on winter wheat.** T.B. Trent (1), R.M. HUNGER (2), K. Giles (2), T. Royer (2), and M. Payton (3). (1) Heifer International, Little Rock, AR, (2) Department of Entomology and Plant Pathology, and (3) Department of Statistics, Oklahoma State University, Stillwater, OK 74078.

2:45-3:00      Break

Contributed papers - Emily Cantonwine, University of Georgia, Tifton, presiding (M. Sullivan, assisting)

3:00-3:15      **Foregut morphology of *Anasa tristis*, the vector of the causal agent of cucurbit yellow vine disease, *Serratia marcescens*.** A.C. WAYADANDE (1), J. Fletcher (1), B. Bruton (2), S. Pair (2), and F. Mitchell (3). (1) Dept. of Entomology and Plant Pathology, Oklahoma

State University, Stillwater, OK, 74078; (2) USDA-ARS, SCARL, Lane Oklahoma, 74555; (3) Texas Agricultural Experiment Station, Stephenville, TX 76401.

- 3:15-3:30 **The suitability of tall fescue selections containing novel strains of *Neotiphodium coenophialum* as hosts for plant-parasitic nematodes.** A.C. THOMAS (1), T.L. Kirkpatrick (2), and C.P. West (3). (1) SAU, Magnolia, AR 71753; (2) SWREC, Hope, AR 71801; (3) UofA, Fayetteville, AR 72701.
- 3:30-3:45 **Potential management approaches for the sting nematode in bermudagrass sod production.** N.R. WALKER(1), H. Zhang (2), and D.L. Martin(3), (1) Dept. Entomology & Plant Pathology, (2) Dept. Plant & Soil Science, (3) Dept. Horticulture & Landscape Architecture, Oklahoma State University, Stillwater, OK 74078.
- 3:45-4:00 **Increases in the incidence of snap bean seedling diseases associated with preplant incorporation of S-metolachlor.** C.H. CANADAY<sup>1</sup> and J.E. Wyatt<sup>2</sup>, Dept. of Entomology and Plant Pathology<sup>1</sup> and Dept. of Plant Sciences<sup>2</sup>, The University of Tennessee, Knoxville, TN 37901.
- 4:15-5:00 SDAPS Executive Committee Meeting (Boardroom)
- 4:00-6:00 **SAAS Opening and General Session and Symposium** (Doubletree Hotel - Windsor )  
"Interdisciplinary Perspectives on Crop Biotechnology"
- 6:30-8:30 **SAAS Reception** (Doubletree Hotel - International Ball Room)  
Sponsored by Southern Farm Bureau Life Insurance Co. Jackson, Mississippi and Affiliates

### **Monday, February 16, 2004**

8:00-11:30 am **Registration** (Second Floor Lobby)

8:25 **Announcements** – John Damicone, SDAPS President, (Oklahoma Room)

Student presentations -- Barbara Smith, SDAPS Past-President, presiding (Oklahoma Room)

- 8:30-8:45 **Recovery of *Tilletia indica* teliospores from regulated fields in Texas.** H.W. MAPLES, J.M. Stein, C.M. Rush. Texas Agric Exp Stn, Bushland, TX 79012
- 8:45-9:00 **Integrated disease management of early leaf spot of peanut.** E. G. CANTONWINE and A. K. Culbreath, Univ. of Georgia, Dept. of Plant Pathology, Tifton, GA 31793
- 9:00-9:15 **Development of standardized techniques for screening natural product fungicides.** M. ABRIL (1), K.J. Curry (1), D.E. Wedge (2), and B.J. Smith (3). (1) University of Southern Mississippi, Hattiesburg, MS; (2) USDA-ARS, University, MS; and (3) USDA-ARS, Poplarville, MS.

- 9:15-9:30 **The effect of variety rotation on races of *Phytophthora parasitica* var. *nicotianae*.** M.J. SULLIVAN, T.A. Melton, and H.D. Shew. Dept. of Plant Pathology, NC State University, Raleigh, NC 27695
- 9:30-9:45 **Genetic variability of beet soilborne mosaic virus within a field.** E. VILLANUEVA, F. Workneh, and C.M. Rush. Plant Pathology, Texas Agricultural Experiment Station, Bushland TX 79012
- 9:45-10:00 Break
- 10:00-10:15 **Evaluation of fungicide combinations for reduction of *Fusarium* infection in caladium tubers.** R. SINGH and R. J. McGovern. University of Florida, Plant Pathology Department and Plant Medicine Program, Gainesville, FL 32611.
- 10:15-10:30 **The influence of new breeding lines and plant age on peanut rust (*Puccinia arachidis*).** S.K. GREMILLION, A.K. Culbreath, J.W. Todd, Univ. of Georgia, Coastal Plain Expt. Stn., Tifton, GA, and R. Pitman, USDA-ARS, Georgia Expt. Stn., Griffin, GA, Dr. T.A. Kucharek, Univ. of Florida, Gainesville, FL
- 10:30-10:45 **The effects of soil moisture on soil electrical conductivity measurements for estimating soil texture in the field.** W.S. MONFORT (1), and T.L. Kirkpatrick (2). (1) Dept. Plant Pathology, University of Arkansas, Fayetteville, 72745; (2) Dept. Plant Pathology, University of Arkansas, Hope, AR 71801.
- 10:45-11:00 **Development of effective strategies for control of spring dead spot in bermudagrass.** E.L. BUTLER and L.P. Tredway. Dept. Plant Pathology, North Carolina State Univ., Raleigh, NC 27695.
- 11:00-11:15 **Remote detection and differentiation of *Wheat streak mosaic virus* and nitrogen deficiency** D. JONES, K. Steddom, and C. M. Rush. Texas Agric. Exp. Stn., Bushland.
- 11:15-11:30 **Effects of full and reduced fungicide programs on foliar and soilborne diseases of peanut (*Arachis hypogaea*).** J.E. WOODWARD, T.B. Brenneman, and R.C. Kemerait. Dept. Plant Pathology, Univ. of Georgia, Coastal Plain Experiment Station, Tifton, GA 31793.
- 11:45am-1pm **Graduate Student Luncheon** (Tulsa Ballroom North), by invitation only
- 1:25-4:40 **Symposium** (Oklahoma Room)  
 “The Changing Face of Agriculture and Crop Protection”
- 1:25-1:30 **Introduction.** Mike Benson, SDAPS President Elect  
 The role of ag-chem companies in leading the change --

- 1:30-1:50 **Demographics and markets in the changing face of agriculture.** Roger Kaiser, Bayer Crop Science, Research Triangle Park, NC
- 1:50-2:20 **Strategies for managing fungicide resistance.** Roger Kaiser, Bayer Crop Science, Research Triangle Park, NC
- 2:20-2:50 **New chemistries that activate host resistance.** Gary Cloud, Syngenta Crop Protection, Tallahassee, FL
- 2:50-3:10 Break
- 3:10-3:40 **Integration of biocontrol in the new agriculture.** Don Kenney, Gustafson, Dallas, TX
- 3:40-4:10 **The role of extension in leading the changing face of agriculture and crop protection.** Frank Louws, North Carolina State University, Raleigh
- 4:10-4:40 **Opportunities for graduates in the changing face of agriculture and crop protection.** Panel of symposium speakers
- 4:45-6:00 **SDAPS Department Heads** (Oklahoma Room)
- 6:00-9:00 **SDAPS Social** (cash bar) and **Southern Division deBary Bowl** (Tulsa Ballroom North)

**Tuesday, February 17, 2004**

8:00-10:00 am **Registration** (Second Floor Lobby)

8:25 **Announcements** – John Damicone, SDAPS President, (Oklahoma Room)

Contributed papers -- Tim Brenneman, SDAPS Vice-President, presiding (Oklahoma Room)

- 8:30-8:45 **Detection and quantification of *Beet Necrotic Yellow Vein Virus* in soil with real-time quantitative PCR.** K.L. MAXSON-STEIN, J.M. Stein, C.M. Rush. Texas Agricultural Experiment Station, Amarillo, TX, 79106.
- 8:45-9:00 **Using real-time PCR to quantify resistance in sugar beets to *Beet Necrotic Yellow Vein Virus*** K.L. MAXSON-STEIN, C.M. Rush, Texas Agricultural Experiment Station, Amarillo, TX 79106.
- 9:00-9:15 **The use of real-time PCR to quantify the number of *Tilletia indica* teliospores in soil.** J.M. STEIN, K.L. Maxson-Stein, and C.M. Rush, Texas Agricultural Experiment Station, Amarillo, TX 79105.
- 9:15-9:30 **The expression of polygalacturonase-inhibiting protein activity as a function of cantaloupe fruit maturation and fruit tissue origin.** W.W. FISH. USDA-ARS-SCARL, Lane, OK 74555.

- 9:30-9:45 **Regulation of coronatine in *P. syringae* pv. *tomato* DC3000.** A. SREEDHARAN and C.L. Bender Department of Entomology and Plant Pathology, Stillwater, OK 74078
- 9:45-10:00 Break
- 10:00-10:15 **Growth of loblolly pines measured 14 years after screening for fusiform rust resistance.** C.H. WALKINSHAW, USDA Forest Service, 2500 Shreveport Highway, Pineville, LA 71360.
- 10:15-10:30 **Integrated management of bacterial spot of pepper in Oklahoma.** J. P. DAMICONE and M. A. Trent. Dept. of Ento. and Plant Path., Okla. State Univ., Stillwater, OK 74078
- 10:30-10:45 **Effect of delayed initiation and early-termination of fungicide programs on pecan scab.** T. B. BRENNEMAN, Department of Plant Pathology, Univ. of Georgia, Tifton, GA 31794.
- 10:45-11:00 **Dimethomorph and phosphites for control of Phytophthora root rot in ornamentals and Fraser fir.** D. M. BENSON (1), J. R. Sidebottom (2), and C. Y. Warfield (1). North Carolina State University, (1) Dept. of Plant Pathology, (2) Dept. of Forestry, Raleigh, NC 27695
- 11:00-12:00 **SDAPS Business Meeting**, John Damicone, SDAPS President, presiding (Oklahoma Room)

**SOUTHERN DIVISION, APS  
BALLOT**

Place this ballot in a sealed envelope, *sign* the outside, and RETURN BY **February 10, 2004**, to:

Robert J. McGovern  
SDAPS Secretary-Treasurer  
University of Florida-IFAS  
Plant Pathology Department  
and Plant Medicine Program  
1453 Fifield Hall  
Gainesville, FL 32611-0680

✓ Ballot for VICE PRESIDENT:     Richard Raid                       Craig Rothrock

✓ Ballot for Councilor:             Gerald Holmes                       Mani Skaria

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**INVOICE**  
(For direct payment only)

Date: \_\_\_\_\_ Your Check No.: \_\_\_\_\_

For publication of abstract in *Phytopathology* ..... \$55.00

First Author: \_\_\_\_\_

Title: \_\_\_\_\_

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Remit to:        Robert J. McGovern,  
                     SDAPS Secretary-Treasurer  
                     University of Florida-IFAS  
                     Plant Pathology Department  
                     1453 Fifield Hall  
                     Gainesville, FL 32611-0680

**Please use this invoice. Send a check made payable to "SDAPS" to the treasurer. Deadline for receipt of payment is February 15, 2004.** RECEIPTS for abstracts will be provided at the meeting for those requesting them.

The SDAPS Newsletter is available on the SDAPS web site at:  
[http://www.cals.ncsu.edu/plantpath/SD\\_APS/SouthernAPS.html](http://www.cals.ncsu.edu/plantpath/SD_APS/SouthernAPS.html)

## SDAPS DUES

SDAPS dues are \$5.00 for members and associate members (excluding retired plant pathologists who are considered honorary members) and \$3.00 for student members. Dues may be sent to the SDAPS Secretary/Treasurer or paid with your APS dues.



Robert J. McGovern, Secretary-Treasurer  
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