

70th Annual Meeting

**Georgia Entomological Society**



**March 29<sup>th</sup> – 31<sup>st</sup>, 2006**

***Holiday Inn  
Jekyll Island, Georgia***

**GEORGIA ENTOMOLOGICAL SOCIETY  
PRESIDENT  
2005-2006**



**ROBERT McPHERSON**

Welcome to beautiful and tranquil Jekyll Island for our 70<sup>th</sup> meeting of the Georgia Entomological Society. We have a program filled with a vast array of entomological topics and special recognitions, thanks to our President-elect and Program Chair John All and also to Terry All. We will be honoring an outstanding and deserving scientist, Gary A. Herzog, as our 2006 GES Founder Honoree. I personally want to thank Max Bass for his enthusiastic approach to preparing the Founder's Lecture. We will also be recognizing two truly worthy GES members, Wayne Gardner and Lance Peterson, with the prestigious Fellow of GES title. Our special topics symposium includes presentations on GMO's, pesticide resistance monitoring, and pollen impacts on thrips-borne tospoviruses. The Pesticide Industry Panel will cover recent advances and modifications in the industry. Then comes the always enlightening and educational student competitions and the regular member papers and posters. The Recognition Luncheon and the evening Reception are also meeting highlights not to be missed. So, relax, enjoy, and learn, and once again WELCOME to Jekyll Island.

Bob McPherson is currently Professor of Entomology and REI Coordinator at the UGA Tifton Campus. He joined the UGA faculty in 1987 with a 100% research appointment, and has been located at the Tifton campus since his arrival. His primary research responsibilities center around developing insect pest management programs for soybeans and tobacco. He and his wife Shelby reside in Tifton. They have five children (now adults), with three sons, Michael, Matthew and Patrick, living in Atlanta, one daughter, Emily, residing in Greeley, CO, and their youngest son, Joseph, is a senior at UGA in Athens.

**SCHEDULE OF EVENTS**

**Wednesday March 29, 2006**

GES Golf Tournament	11:00 am, The Lakes at Laura S. Walker State Park, east of Waycross. Stormy Sparks
Entomology Run/Walk	Meet in Holiday Inn Lobby at 4:00 pm Organizer: John All
Executive Committee	7:30 – 8:30 pm

**Thursday, March 30, 2006  
Holiday Inn, Colony Hall**

7:30 – 8:30 am	Registration & Coffee, Colony Hall
7:30 – 8:30 am	Poster Set Up, Colony Hall
8:30 – 5:00 pm	Poster Displays, Colony Hall
8:00 – 8:30 am	Welcome and Announcements, Colony Hall
8:30 – 9:00 am	2006 Founders Lecture
9:00 – 9:30 am	Industry Panel
9:30 – 9:50 am	Break
9:50 – Noon	Symposium – Contemporary Topics in Integrated Pest Management
Noon – 1:30 pm	Luncheon & Photo Salon (recognition of 2006 Fellows), Holiday Inn Restaurant
1:30 – 2:20 pm	Contributed Papers
2:20 – 3:00 pm	Ph.D. Student Paper Competition
3:00 – 3:20 pm	Break
3:20 – 4:50 pm	M.S. Student Paper Competition
6:30 – 7:30 pm	Reception & Student Award Recognitions, Colony Hall
Dinner on your own	

**Friday, March 31, 2006  
Holiday Inn, Colony Hall**

7:30 – 8:30 am	Registration & Coffee, Colony Hall
8:00 – Noon	Poster Displays, Colony Hall
8:00 – 8:30 am	Invitational Paper, History of Entomology in Georgia
8:30 – 9:40 am	Contributed Papers
9:40 – 10:00 am	Break
10:00 – 11:10 am	Contributed Papers
11:10 – Noon	Business Meeting
Noon	Adjourn

**GEORGIA ENTOMOLOGICAL SOCIETY  
2006 FOUNDER HONOREE**



**GARY A. HERZOG**

Dr. Gary Herzog (1947-2001) was born to the late Carl Herzog and Leona Herzog on February 2nd 1947, in Slaton, Texas, where he grew up on the family farm. Gary has an older brother, Don, and a younger sister, Kay. Gary received his B.S. degree at Texas Tech and then served two years in the army before entering Graduate School at the University of Arkansas. Working at U Ark at the time was a beautiful young lady named Ann Burdette. She later became Mrs. Gary Herzog. Dr. Herzog and Ann moved to Tifton, Georgia, in 1977 and Gary began his career at the University of Georgia as a Research Cotton Entomologist.

During his tenure at Tifton, Gary presented 129 scientific papers, 57 invitational papers, and assisted with 144 in-service training sessions. He held 69 national or regional offices during his career, plus served as Chairman of the Cotton Insect Research and Control Conference for 10 years. Gary also served as President of the Southeastern Branch of the ESA and was on the Governing Board of the ESA. Dr. Herzog published 37 refereed scientific papers, including 7 book chapters. He also produced 64 abstracts and proceedings, 153 Experiment Station and Extension Publications, and numerous popular press articles. While at UGA, Dr. Herzog received approximately 3.1 million dollars in grant funds due to his national and international reputation. A new research farm was purchased for the UGA Tifton Campus in the mid-1990's from Dr. Herzog's grant funds. Gary Herzog loved farming. His greatest joy was driving a tractor and being in the field. His academic achievements were many, although he would consider his greatest achievement to have been providing useful information to the cotton farmer. Gary and Ann Herzog were active members of the First United Methodist Church of Tifton. They have two sons, Greg, a medical student at Augusta, and Scott, a student at Athens.

**GEORGIA ENTOMOLOGICAL SOCIETY  
2006 FOUNDER LECTURER**



**MAX H. BASS**

Dr. Max H. Bass retired as Interim Resident Director of the University of Georgia's Coastal Plain Experiment Station and Interim Associate Director of the University of Georgia's Experiment Station System on September 1, 1996. He received his B.S. Degree at Troy University, where he graduated first in his class. He received his M.S. and Ph.D. Degrees from Auburn University and started his professional career there in 1960. In 1970 he became Auburn's youngest full professor. Concurrently he served as a member, then Vice President and finally President of the Auburn City Board of Education until 1980.

Dr. Bass came to Georgia in 1980 and served as Head of The Department of Entomology at The UGA Coastal Plain Experiment Station from November 1980 until January 1992, at which time he became Research Leader of Entomology. On March 1, 1995, he became Interim Resident Director of the UGA/CPES. During his career Max produced 120 scientific publications including one book and three book chapters. He served as major professor for 34 successful graduate students, who now hold responsible positions in academic and industrial fields throughout the United States. Over the years Max taught courses in general zoology, environmental conservation, general entomology, insect morphology, insect embryology, field entomology, insect toxicology, chemical control of insects, and applied systems of insect control. His research was in the fields of fire ant biology and control, cotton insects, forage legume insects, white fringed beetles, soybean insects, peanut insects, and vegetable insects. After retirement he served on the Tift General Hospital Ethics Board and the Tift County Board of Tax Assessors. Dr. Bass's wife, Merle, was a professor of mathematics at Abraham Baldwin College in Tifton, Georgia (retired 12/31/98.) They have four daughters-- Susan, a Radiation Technologist in Charlotte, NC; Nancy, a Physician in Huntsville, AL; Jennifer, a Business Woman in Las Vegas, NV; and Joan, a High School Counselor in Atlanta, GA. The Basses now reside in Auburn, Alabama.

## GEORGIA ENTOMOLOGICAL SOCIETY FOUNDERS' LECTURE SERIES

The Georgia Entomological Society recognizes significant and selfless contributions to science and the GES by means of the GES Founders' Lecture Series, a program that the society began in 1990. The Founders' Lecture serves to honor the individual to whom the lecture is dedicated, and additionally serves to recognize a scholar/researcher of the Society who has contributed significantly and historically to the advancement of our science and/or whose research is at the cutting edge of his/her subdiscipline.

1990 Founder and Lecturer  
Theodore L. Bissell, presented by W. Louis Tedders

1991 Founder and Lecturer  
Horace O. Lund, presented by Preston E. Hunter

1992 Founder and Lecturer  
Hamlin H. Tippins, presented by Wayne A. Gardner

1993 Founder and Lecturer  
U. Eugene Brady, Jr., presented by C. Wayne Berisford

1994 Founder and Lecturer  
Cedric R. Jordan, presented by T. Don Canerday

1995 Founder and Lecturer  
Clifford M. Beckham, presented by Herb Womack

1996 Founder and Lecturer  
Oliver I. Snapp, Sr., presented by Carroll E. Younce

1997 Founder and Lecturer  
T. Don Canerday, presented by Max H. Bass

1998 Founder and Lecturer  
Loy W. Morgan, presented by Max H. Bass

1999 Founder and Lecturer  
William Franklin Turner, presented by Dan L. Horton

2000 Founder and Lecturer  
Preston E. Hunter, presented by Raymond Noblet

2001 Founder and Lecturer  
Harry O. Yates, III, presented by James L. Hanula

2002 Founder and Lecturer  
Alton N. Sparks, presented by Beverly Sparks

2003 Founder and Lecturer  
James H. Oliver, Jr., presented by Richard L. Osburn

2004 Founder and Lecturer  
Sturgis McKeever, presented by Frank E. French

2005 Founder and Lecturer  
Herbert H. Ross, presented by J. Bruce Wallace

2006 Founder and Lecturer  
Gary A. Herzog, presented by Max H. Bass

## 2006 FELLOWS OF THE GEORGIA ENTOMOLOGICAL SOCIETY

Two members of the Society are recognized as Fellows of the Georgia Entomological Society at this meeting. Such recognition is reserved for individuals who have made significant contributions in entomological teaching, research, extension, or administration.

### WAYNE GARDNER



Wayne Gardner joined the faculty of the University of Georgia in 1979. He has been assigned to the Griffin Campus Unit in the Department of Entomology for his entire career with UGA. His research has focused on development and implementation of insect pest management programs for a variety of cropping/plant systems including small grains, forages, sorghum, corn, soybeans, turfgrasses, pecans and others. His expertise is in the integration of microbial control, especially the entomogenous fungi, into IPM systems. Most recently, Wayne was asked to lead the state's applied research program with the red imported fire ant, *Solenopsis invicta*. Much of his effort in this program is in classical biocontrol of this invasive pest. He continues to collaborate on several projects dealing with the use of *Beauveria bassiana*, *Metarhizium anisopliae* and several entomogenous nematodes to control soil-inhabiting stages of the pecan weevil, *Curculio caryae*. He has been major advisor to 15 graduate students and postdoctoral associates.

Dr. Gardner has served in a number of administrative roles within the Department of Entomology and the College of Agricultural & Environmental Sciences. He has served as the administrative coordinator for the Griffin Campus Entomology Unit since 1991. He also was Acting Assistant Director of the Georgia Agricultural Experiment Stations in 1998 and 1999, and the inaugural Coordinator of the Georgia Center for Urban Agriculture from 1998 to 2001. He currently serves as the Faculty Coordinator of the UGA Research & Education Garden on the Griffin Campus.

Wayne also has been active in professional society activities including the Society for Invertebrate Pathology, the Georgia Entomological Society, and the Entomological Society of America. He served on the ESA Governing Board (2001-2004), as President of the Georgia Entomological Society (2004-2005), and as President of the Southeastern Branch of ESA (2005-2006). He has served as Editor of *The Journal of Entomological Science* since 1993.

## LANCE PETERSON



Lance G. Peterson retired from Dow AgroSciences in February of 2000, with the title of Advisor in Research and Development, after 32½ years of service in developing safe and environmentally friendly pest management systems for agriculture. During that tenure, he held a variety of research development, regulatory and management responsibilities throughout the United States, Africa, Latin America and Asia. His research involvement has included the discovery investigation of insect hormone mimics and insect chitinase inhibitors as insect control systems,

developing nematode management techniques in a number of crops, field research to control termites in both urban and crop situations, developing fungicide programs for numerous crop diseases, and herbicide research and development. His major research assignment prior to retirement was the development of spinosad into IPM systems for insect management.

Dr. Peterson also has served as an Adjunct Professor with the Auburn University Department of Entomology, a Guest Member of the Graduate Faculty of Florida A & M University, and a member of the University of Florida Graduate Faculty. Lance served on the Graduate Committees of two PhD and one M.S. candidates. He also served as an Industry Consultant to the University of Georgia, Department of Plant Pathology. He is the author or co-author of 23 scientific publications.

Lance is a member of the Entomological Society of America, the Georgia Entomological Society (Past- President, 2000-2001), and the Florida Entomological Society (Past-President). He is a past member of the American Peanut Research & Education Society and several Plant Pathology Societies. In addition, he has served on a number of Georgia Entomological Society standing committees over the years including, Awards and Recognition, GES Scholarship, Site Selection, Nominations, Resolutions, Industry Panel, and judge for the U. E. Brady and O. I. Snapp Awards. In 2001, Dr. Peterson prepared the *Georgia Entomological Society Operating Guidelines*, which continues to be a very useful tool for the officers and committee chairs of the GES.

## FELLOWS OF THE GEORGIA ENTOMOLOGICAL SOCIETY

<b>1991</b> James H. Oliver, Jr	<b>2002</b> Richard B. Chalfant
<b>1992</b> Preston E. Hunter	<b>2003</b> Ronald D. Oetting
<b>1993</b> Alton N. Sparks	<b>2004</b> Frank E. French
<b>1994</b> J. Bruce Wallace	<b>2005</b> C. Wayne Berisford
<b>1995</b> Harry O. Yates, III	<b>2005</b> Daniel V. Hagan
<b>1998</b> Sturgis McKeever	<b>2006</b> Wayne Gardner
<b>2000</b> Rudolph T. Franklin	<b>2006</b> Lance Peterson
<b>2001</b> W. Joe Lewis	

Thursday, March 30, 2006

## OPENING SESSION HOLIDAY INN, COLONY HALL

*President Robert McPherson, presiding*

7:30 – 8:30 am	<b>Registration and Coffee</b> , Colony Hall
8:00 – 8:30 am	<b>Welcome and Announcements</b> , Colony Hall
8:30 – 5:00 pm	<b>Poster Displays</b> , Colony Hall
8:30 – 9:00 am	<b>GES 2006 Founders' Lecture</b> Honoring Gary A. Herzog Presented by <i>Max Bass</i>
9:00 – 9:30 am	<b>Industry Panel</b> Moderator: <i>Steve Brown</i>
9:30 – 9:50 am	<b>Break</b>
9:50 – Noon	<b>Symposium – Contemporary Topics in Integrated Pest Management</b> Moderator: <i>John All</i>
9:50	<b>Development and Use of Bt Cotton.</b> <i>L. B. (Bo) Braxton</i> (Dow AgroSciences, Tallahassee, Florida)
10:15	<b>Development and Use of YieldGard Corn in the Corn Belt and the South.</b> <i>Todd DeGooyer</i> (Monsanto Company, St. Louis, Missouri)
10:40	<b>Current and Future Prospects for Soybean Resistance to Defoliating Insects.</b> <i>Shuquan J. (Joe) Zhu</i> , John N. All, H. Roger Boerma, Wayne A. Parrott, and David R. Walker, (University of Georgia, Athens)
11:05	<b>Status of Pyrethroid Resistance in Tobacco Budworm and Bollworm Populations in Georgia and Throughout the South.</b> <i>Gregory Payne</i> (University of West Georgia, Carrollton), Philip Roberts and John Ruberson (University of Georgia, Tifton)
11:30	<b>Why is a Vegetable Entomologist Worried About Pine Trees?</b> <i>David G. Riley</i> (University of Georgia, Tifton)
Noon – 1:30 pm	<b>Luncheon and Photo Salon</b> , Holiday Inn Restaurant (recognition of 2006 Fellows) Moderator: <i>Stormy Sparks</i>

<b>Thursday, March 30, 2006</b> <b>HOLIDAY INN, COLONY HALL</b>	
<b>CONTRIBUTED PAPER SESSION</b> Moderator: <i>Kris Braman</i>	
1:30	<b>Taking Entomology on the Road.</b> <i>Linda A. Smyth</i> (Middle GA Clean Cities Coalition, Macon)
1:40	<b>Monitoring Thrips Vectors in Flue-Cured Tobacco Using Yellow Sticky Traps.</b> <i>Robert M. McPherson</i> and Stanley K. Diffie (University of Georgia, Tifton)
1:50	<b>ACCESS-CURCURLIONOIDEA: A Weevil Database For Biosecurity and IPM Decision Making.</b> <i>Tobin Northfield</i> , R. F. Mizell, III, Stephanie Bloem, and Margaret Rotstein (University of Florida-IFAS, Quincy)
2:00	<b>Functional Response of Generalist Predators to Common Turfgrass Pests.</b> <i>Kris Braman</i> (University of Georgia, Griffin)
2:10	<b>Cultural Controls for House Flies in Caged Layer Houses.</b> <i>Nancy C. Hinkle</i> , Bruce Webster, Sid Thompson, and Bill Merka (University of Georgia, Athens)
<b>PH.D. STUDENT PAPER COMPETITION</b>	
2:20	<b>Estimating the Potential Fecundity of <i>Rhyacionia frustrana</i> (Comstock 1880) (Lepidoptera: Tortricidae).</b> <i>James D. Young</i> and C.W. Berisford (University of Georgia, Athens)
2:30	<b>The CR12-MPED Fragment from the Cadherin-Like Protein Bt-R<sub>1</sub> Enhances Cry1A Toxicity to Lepidopteran Larvae.</b> <i>Jiang (John) Chen</i> , Gang Hua, Juan Luis Jurat Fuentes, Mark R. Brown, and Michael J. Adang (University of Georgia, Athens)
2:40	<b>Systematics of the Endomychidae: The Influence of Natural History and on the Evolution of a Mycophagous Beetle Family.</b> <i>F.W. Shockley</i> (University of Georgia, Athens)
2:50	<b>Effects of Parasitism on Honey Bee Pollination Efficacy and Foraging Energetics.</b> <i>Amanda M. Ellis</i> and Keith S. Delaplane (University of Georgia, Athens)
3:00 – 3:20 pm	<b>Break</b>

<b>M.S. STUDENT PAPER COMPETITION</b> Moderator: <i>Wayne Gardner</i>	
3:20	<b>Predatory Potential and Performance of Heteropteran Predators on Fall Armyworm-Resistant and Susceptible Turf.</b> <i>Shimat V. Joseph</i> and S. Kristine Braman (University of Georgia, Griffin)
3:30	<b>Anti-Insect Defensive Behaviors of Equines after West Nile Virus Infection.</b> <i>Linsey R. Cozzie</i> and William S. Irby (Georgia Southern University, Statesboro)
3:40	<b>The Biology of the Corethrellidae of the Southeastern U.S.: Host Attraction and Host Selection.</b> <i>Jeremy V. Camp</i> and William S. Irby (Georgia Southern University, Statesboro)
3:50	<b>Effects of Fire on the Ectoparasites of Small Mammals in Longleaf Pine (<i>Pinus palustris</i>) Habitats.</b> <i>Todd N. Nims</i> (Georgia DNR Wildlife Resources Division, Social Circle), Lance A. Durden, C. Ray Chandler, and Oscar J. Pung (Georgia Southern University, Statesboro)
4:00	<b>Evaluation of <i>LastCall</i><sup>TM</sup> NPTM for Control of Nantucket Pine Tip Moth in Loblolly Pine Plantations.</b> <i>Jessica Beck</i> , C. Wayne Berisford, and Mark Dalusky (University of Georgia, Athens)
4:10	<b>Preference and Behavior of Water Lily Aphids (<i>Rhopalosiphum nymphaeae</i>) on Native and Invasive Species of Lemnaceae.</b> <i>M. Cameron Storey</i> and Alan Harvey (Georgia Southern University, Statesboro)
4:20	<b>Community of Arthropods in the Webs of the Social Spider <i>Anelosimus studiosus</i>.</b> <i>Sarah Mock</i> and Alan Harvey (Georgia Southern University, Statesboro)
4:30	<b>Ectoparasites of Road-Killed Mammals in Southeastern Georgia.</b> <i>Marquita T. Holmes</i> , Alena E. Aviles, and Lance A. Durden (Georgia Southern University, Statesboro)
4:40	<b>The Response of Ground Beetles to Group Selection Harvesting in a Southeastern Bottomland Hardwood Forest.</b> <i>Mike Ulyshen</i> , Jim Hanula, and Scott Horn (USDA Forest Service, Athens, GA), John Kilgo (USDA Forest Service, New Ellenton, SC), and Chris Moorman (North Carolina State University, Raleigh)
6:30 – 7:30 pm	<b>Reception &amp; Student Award Recognitions</b> Colony Hall <b>Dinner on your own</b>

<b>Friday, March 31, 2006 HOLIDAY INN, COLONY HALL</b>	
7:30 – 8:30 am	<b>Registration and Coffee</b> , Colony Hall
8:00 – Noon	<b>Poster Displays</b> , Colony Hall
8:00 – 8:30 am	<b>Invitational Paper, History of Entomology in Georgia</b> , <i>Marianne Robinette</i> and Ray Noblet (University of Georgia, Athens)
<b>CONTRIBUTED PAPER SESSION</b> Moderator: <i>David Buntin</i>	
8:30	<b>Effect of Seeding Rate and Gaucho Seed Treatment on Aphid and BYD Incidence and Yield of Winter Wheat.</b> <i>G. D. Buntin</i> (University of Georgia, Griffin) and R. D. Lee (University of Georgia, Tifton)
8:40	<b>Molecular Markers for Identification of the Parasitoids and Hyperparasitoids of Some Homopterous Insects.</b> <i>Shaaban Abd-Rabou</i> (Plant Protection Research Institute, Dokki, Giza, Egypt)
8:50	<b>The Importance of Confinement Behavior in Limiting the Number of Would-Be Symbionts in Honey Bee Colonies.</b> <i>James D. Ellis</i> and Keith S. Delaplane (University of Georgia, Athens)
9:00	<b>Bugwood Network 2006.</b> <i>G. Keith Douce</i> , David J. Moorhead, Charles T. Barger and Christopher W. Evans (University of Georgia, Tifton)
9:10	<b>Morphological and Physiological Responses of Corn Seedlings to Brown and Southern Green Stink Bug Feeding.</b> <i>Kedong Da</i> and Xinzhi Ni (USDA-ARS, Tifton), David Buntin (University of Georgia, Griffin), and Steve Brown (University of Georgia, Tifton)
9:20	<b>Collaborating with Libraries to Educate the Public about IPM.</b> <i>L.P. Guillebeau</i> and G.V. Pettis (University of Georgia, Athens)
9:30	<b>Summary of Early Season Thrips Control Trials in Georgia Cotton.</b> <i>Phillip Roberts</i> , John Ruberson, Russ Ottens, and David Griffin (University of Georgia, Tifton)
9:40 – 10:00 am	<b>Break</b>

<b>CONTRIBUTED PAPER SESSION (Continued)</b>	
10:00	<b>Spatial and Temporal Patterns of Maize Weevil Pre-Harvest Infestation in Corn Fields.</b> <i>Xinzhi Ni</i> and Kedong Da (USDA-ARS, Tifton), Steve Brown (University of Georgia, Tifton), Matthew Krakowsky (USDA-ARS, Tifton), Dewey Lee and Anton Coy (University of Georgia, Tifton), and David Buntin (University of Georgia, Griffin)
10:10	<b>Management of Coastal Forests and Forest Insect Pests.</b> <i>Rebecca S. Effler</i> (Island Forest Research Lab, Sapelo Island, Georgia)
10:20	<b>Evaluation of Mating Disruption as a Tool for Managing Lesser Peachtree Borer in Middle Georgia Peaches.</b> <i>Dan Horton</i> (University of Georgia, Athens) and Ted E. Cottrell (USDA-ARS, Byron, Georgia)
10:30	<b>Parasitic Arthropods of Sympatric Woodrats and Cotton Mice with Emphasis on Ectoparasites of Medical/Veterinary Importance.</b> <i>Lance A. Durden</i> , Craig W. Banks, and Andrew N. Quesada (Georgia Southern University, Statesboro)
10:40	<b>Density and Dispersal of Stink Bugs in Farmscapes in Georgia.</b> <i>Glynn Tillman</i> (USDA-ARS, Tifton)
10:50	<b>Ticks of the Black Bear, with Recent Data for the Florida Subspecies.</b> <i>Todd N. Nims</i> (Georgia DNR Wildlife Resources Division, Social Circle) and Lance A. Durden (Georgia Southern University, Statesboro)
11:00	<b>Sublethal Effects of Insecticides on the Parasitoid <i>Trichogramma pretiosum</i>.</b> <i>John R. Ruberson</i> and Melissa D. Thompson, (University of Georgia, Tifton), Mark R. Abney (North Carolina State University, Raleigh), and Phillip M. Roberts (University of Georgia, Tifton)
11:10 – Noon	<b>Business Meeting</b>
Noon	<b>Adjourn</b>

**POSTER DISPLAYS**

**THURSDAY, MARCH 30 - FRIDAY, MARCH 31, 2006**  
**HOLIDAY INN**  
**COLONY HALL**

Posters will be on display continuously from 8:30 am to 5:00 pm on Thursday, March 30, and from 8:00 am to noon on Friday, March 31. Authors are asked to stand with posters from 9:30 – 9:50 am on Thursday and from 9:40 – 10:00 on Friday.

**STUDENT POSTER COMPETITION**

SP-1	<b>Development of an Action Threshold for <i>Spodoptera exigua</i> in Tomatoes.</b> James E. Taylor and David G. Riley (University of Georgia, Tifton)
SP-2	<b>A Preliminary Study of House Fly Dispersal in Rural Georgia.</b> Aubree Roche and Nancy Hinkle (University of Georgia, Athens)
SP-3	<b>The Handsome Fungus Beetles (Coleoptera: Endomychidae) of Great Smoky Mountains National Park: A Contribution to the GSMNP Beetle ATBI.</b> F.W. Shockley (University of Georgia, Athens)
SP-4	<b>An Evaluation of Fruit-Boost™ in Enhancing Honey Bee Pollination of Seedless Watermelons.</b> Amanda M. Ellis and Keith S. Delaplane (University of Georgia, Athens)
SP-5	<b>Risk Adverse Evaluation of Insect Vulnerability in Value Added Traits in Elite Soybean Germplasm.</b> Michelle Samuel-Foo, John N. All, H. Roger Boerma, and David Walker (University of Georgia, Athens)
SP-6	<b>Seed Yield and Insect Resistance of Near-Isogenic Soybean Lines with Major and Minor Insect QTLs.</b> Caleb Warrington, John All, Shuquan J. Zhu and H. Roger Boerma (University of Georgia, Athens)

**REGULAR POSTER DISPLAYS**

DP-1	<b>Flea Beetle Dispersal and Taxonomic Insights from DNA Sequence of <i>Altica spp.</i> Host-Specific Collections.</b> T. M. Jenkins and S. K. Braman (University of Georgia, Griffin), and G. V. Pettis (University of Georgia, Athens)
DP-2	<b>Integrated Pest Management, Pesticides and Insects: Georgia Resident's Perspectives.</b> Gretchen V. Pettis and L. Paul Guillebeau (University of Georgia, Athens)
DP-3	<b>Greenhouse and Field Evaluations of WideStrike™ Cotton Trait Efficacy under Variable Infestations of the Corn Earworm, <i>Helicoverpa zea</i>, During 2003-2005.</b> J. N. All (University of Georgia, Athens) and L. B. Braxton (Dow AgroSciences, Indianapolis, Indiana)
DP-4	<b>Management of <i>Bemisia tabaci</i> Strain 'Q' in Georgia Greenhouses.</b> Monica Townsend and Ronald Oetting (University of Georgia, Griffin)
DP-5	<b>Investigating the Impact of Chinese Privet Invasion on Insect Communities.</b> Scott Horn and James L. Hanula (USDA Forest Service, Athens)
DP-6	<b>Advances in Screening of Soybean Breeding Lines and Varieties for Stink Bug Resistance.</b> Robert M. McPherson, Phillip Roberts, and Glenn Buss (University of Georgia, Tifton)
DP-7	<b>How Small Hive Beetle (<i>Aethina Tumida</i>) Density Affects Beetle Oviposition in Bee Brood and Subsequent Removal of Brood by European Honey Bees (<i>Apis mellifera</i>).</b> James D. Ellis and Keith S. Delaplane (University of Georgia, Athens)
DP-8	<b>Release of Predatory Mites for Control of Pecan Leaf Scorch Mite.</b> Jim Dutcher (University of Georgia, Tifton)
DP-9	<b>Insect Images: Developing a Comprehensive Collection of Entomology Images.</b> G. Keith Douce, David J. Moorhead, Charles T. Bargeron, and Christopher W. Evans (University of Georgia, Tifton)



## OFFICERS AND COMMITTEE ASSIGNMENTS OF THE GEORGIA ENTOMOLOGICAL SOCIETY

### OFFICERS AND EXECUTIVE BOARD 2005-2006

President	<i>Robert McPherson</i>
President-Elect	<i>John All</i>
Past President	<i>Wayne Gardner</i>
Secretary-Treasurer	<i>Paul Guillebeau</i>
Historian	<i>Nancy Hinkle</i>

### JOURNAL OF ENTOMOLOGICAL SCIENCE

Editor	<i>Wayne Gardner</i>
Associate Editor	<i>G. David Buntin</i>
Business Manager	<i>Susan Thornhill</i>

### 2006 LOCAL ARRANGEMENTS COMMITTEE

<i>G. David Buntin</i> , Chair	Jim Dutcher
Alton N. Sparks, Jr.	Terry All

### PROGRAM COMMITTEE

<i>John All</i> , Chair	Phillip Roberts
Paul Guillebeau	Terry All
Dan Horton	Danny Fendley

### INSECT SURVEY

<i>Phillip Roberts</i> , Chair	G. Keith Douce
Nancy Hinkle	Glynn Tillman
Robert McPherson	Wayne Berisford

### AWARDS AND RECOGNITION

<i>Robert McPherson</i> , Chair	John All
Steve Brown	

### STUDENT AFFAIRS

<i>S. Kris Braman</i> , Chair	Chip Hancock
Darold Batzer	Floyd Shockley
Dan Hagan	John Ruberson

### NOMINATIONS

<i>Jim Dutcher</i> , Chair	Jim Hanula
Wayne Gardner	Ray Noblet

### AUDIT

<i>Nancy Hinkle</i> , Chair	John Ruberson
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### SITE SELECTION - 2007

<i>Dan Horton</i> , Chair	Detsy Bridges
Gretchen Pettis	

### GES SCHOLARSHIP

<i>Wayne Gardner</i> , Chair	Jim Hanula
Jim Dutcher	

### O. I. SNAPP AWARD (NON-STUDENT PAPER)

<i>Jim Hanula</i> , Chair	Jim Dutcher
Scott Horn	

### T. L. BISSELL AWARD (M.S./B.S. STUDENT PAPER)

<i>Phillip Roberts</i> , Chair	David Riley
Gretchen Pettis	

### C. M. BECKHAM AWARD (PH.D. STUDENT PAPER)

<i>Dan Horton</i> , Chair	John Ruberson
Nancy Hinkle	

### U. E. BRADY AWARD (STUDENT POSTER)

<i>Keith Douce</i> , Chair	Robert McPherson
Tracie Jenkins	

### PHOTO SALON

<i>Alton N. Sparks, Jr.</i> , Chair	Will Hudson
John Ruberson	Jim Dutcher

### RESOLUTIONS

<i>Alton N. Sparks, Jr.</i> , Chair	Xinzhi Ni
Keith Delaplane	Joe Williamson

### INDUSTRY PANEL

Steve Brown, Chair	John Altom, Valent
Herb Young, Bayer	Gerald Harrison, Amvac
Keith Griffith, Chemtura	Tony Estes, CerexAgri

### MEMBERSHIP AND COMPUTER RESOURCES COMMITTEE

<i>David Riley</i> , Chair	James Taylor
Scott Horn	Stan Diffie
David Shapiro-Ilan	Jeremy Camp

### OPERATING GUIDELINES COMMITTEE

<i>Lance Peterson</i> , Chair	John All
Wayne Gardner	Jim Hanula
Robert McPherson	

### SPORTING EVENTS (GOLF AND RUN/WALK)

<i>Stormy Sparks</i> , Golf	<i>John All</i> , Run/Walk
Phillip Roberts	

**PRESIDENTS OF THE  
GEORGIA ENTOMOLOGICAL SOCIETY**

1937	C. H. Alden	1974	Rudolph T. Franklin
1938	C. H. Alden	1975	Horace O. Yates, III
1939	Theodore L. Bissell	1976	Jerry E. Payne, Sr.
1940	P. M. Gilmer	1977	V. Rodney Coleman
1941	C. H. Alden	1978	R. H. Prestage
1942	M. M. Murphey, Jr.	1979	R. B. Henderson
1944	P. W. Fattig	1980	James O. Howell
1946	Oliver I. Snapp	1981	Alton N. Sparks
1948	W. H. Clarke	1982	U. Eugene Brady, Jr.
1949	Horace O. Lund	1983	Richard F. Nash
1950	J. C. Alden	1984	W. Louis Tedders, Jr.
1951	G. G. Rohwer	1985	Herbert Womack
1952	W. G. Bruce	1986	John B. O'Neil
1953	William F. Turner	1987	J. Larry Zettler
1954	W. E. Blassingame	1988	James H. Oliver, Jr.
1955	F. E. Allison	1989	Louise G. Henry
1956	Cedric R. Jordan	1990	William L. Tietjen
1957	H. E. Johnson	1991	Jerry A. Payne
1958	Clifford M. Beckham	1992	James R. Collins
1959	H. Laudani	1993	T. Don Canerday
1960	J. W. Maxwell	1994	Michael A. Mullen
1961	O. K. Fletcher, Jr.	1995	Keith H. Griffith
1962	W. W. Wells	1996	Frank E. French
1963	E. W. Beck	1997	Robert E. Lynch
1964	Loy W. Morgan	1998	Sandy Newell
1965	Hamlin H. Tippins	1999	James D. Dutcher
1966	H. L. Pollard	2000	James E. Carpenter
1967	H. D. Purswell	2001	Lance G. Peterson
1968	J. W. Kilpatrick	2002	Daniel V. Hagan
1969	Preston E. Hunter	2003	James L. Hanula
1970	R. B. Comoly	2004	G. David Buntin
1971	R. Davis	2005	Wayne A. Gardner
1972	L. M. Redlinger	2006	Robert McPherson
1973	John B. O'Neil		

**MEETINGS OF THE  
GEORGIA ENTOMOLOGICAL SOCIETY**

<b>Meeting Dates</b>	<b>Location</b>
2 April 1937	Agricultural Experiment Station, Experiment
1 April 1938	Georgia Institute of Technology, Atlanta
28-30 Oct. 1938	Okefenokee Swamp, Fargo
6 May 1939	Georgia State College for Women, Milledgeville
14 October 1939	Agricultural Experiment Station, Experiment
6 April 1940	Emory University, Atlanta
7 November 1940	Agricultural Experiment Station, Experiment
5 April 1941	Wesleyan College, Macon
4 April 1942	Emory University, Atlanta
21 March 1944	Piedmont Hotel, Atlanta
29 March 1946	Agricultural Experiment Station, Experiment
10 April 1948	Baldwin Hall-UGA, Athens
30 April 1949	Jekyll Island Hotel, Jekyll Island
3-4 March 1950	American Legion, Fort Valley
9-10 March 1951	Abraham Baldwin Agricultural College, Tifton
7-8 March 1952	Savannah Hotel, Savannah
6-7 March 1953	Hotel Dempsey, Macon

**Meeting Dates**

12-13 March 1954  
 4-5 March 1955  
 8-9 March 1956  
 19-20 March 1957  
 5-7 March 1958  
 4-5 March 1959  
 30-31 March 1960  
 8-9 March 1961  
 20-22 March 1962  
 20-22 March 1963  
 26-27 March 1964  
 9-11 March 1965  
 23-25 March 1966  
 21-23 March 1967  
 19-21 March 1968  
 18-20 March 1969  
 17-19 March 1970  
 16-18 March 1971  
 15-17 March 1972  
 28-30 March 1973  
 13-15 March 1974  
 19-21 March 1975  
 17-19 March 1976\*  
 16-18 March 1977  
 15-17 March 1978  
 21-23 March 1979\*  
 19-21 March 1980  
 18-19 March 1981  
 24-26 March 1982  
 23-25 March 1983  
 21-23 March 1984  
 20-22 March 1985  
 24-26 March 1986\*  
 18-20 March 1987  
 23-25 March 1988  
 22-24 March 1989  
 28-30 March 1990  
 27-29 March 1991  
 25-27 March 1992  
 24-26 March 1993  
 23-25 March 1994\*  
 29-31 March 1995  
 27-29 March 1996  
 16-17 April 1997  
 16-17 April 1998  
 14-16 April 1999  
 6-7 April 2000  
 4-6 April 2001\*  
 3-5 April 2002  
 2-4 April 2003  
 31 March - 2 April 2004  
 30 March - 1 April 2005  
 29-31 March 2006

**Location**

Ida Dunlap Little Library -UGA, Athens  
 Radium Springs Hotel, Albany  
 Manger Hotel, Savannah  
 Rock Eagle 4-H Club Center, Eatonton  
 King and Prince Hotel, St. Simons Island  
 Radium Springs Hotel, Albany  
 New Chemistry Building-UGA, Athens  
 Wanderer Motel, Jekyll Island  
 Radium Springs Hotel, Albany  
 Holiday Inn, Pine Mountain  
 Corsair Motel, Jekyll Island  
 Downtown Holiday Inn, Atlanta  
 Stuckey's Carriage Inn, Jekyll Island  
 Manger Hotel, Savannah  
 Elks Club, Albany  
 Stuckey's Carriage Inn, Jekyll  
 Downtowner Motor Inn, Albany  
 DeSoto Hilton, Savannah  
 King and Prince Hotel, St. Simons Island  
 Macon Hilton Hotel, Macon  
 Holiday Inn, Athens  
 King and Prince Hotel, St. Simons Island  
 DeSoto Hilton, Savannah  
 Downtowner Motor Inn, Albany  
 King and Prince Hotel, St. Simons Island  
 Quality Inn, Hilton Head Island, SC  
 Ramada Inn West, Macon  
 Rural Development Center, Tifton  
 History Village Inn & Conference Center, Athens  
 Downtowner Motor Inn, Albany  
 Buccaneer Motor Lodge, Jekyll Island  
 Rural Development Center, Tifton  
 Sheraton Resort & Country Club, Savannah  
 Quality Inn- Buccaneer, Jekyll Island  
 Georgia Southern Col., Statesboro  
 Univ. of Georgia, Athens  
 Unicoi Lodge & Conference Center, Helen  
 Callaway Gardens, Pine Mountain  
 Clarion Resort Buccaneer, Jekyll Island  
 Georgia Center for Continuing Ed., Athens  
 Sheraton Charleston Hotel, Charleston, SC  
 Merry Acres Motel, Albany  
 Holiday Inn-Midtown, Savannah  
 Unicoi State Park, Helen  
 Buccaneer Motor Lodge, Jekyll Island  
 Rural Development Center, Tifton  
 Georgia Center for Continuing Education, Athens  
 Georgia Mountain Center, Gainesville  
 Georgia Southern University, Statesboro  
 Holiday Inn, Jekyll Island  
 Callaway Gardens, Pine Mountain  
 Georgia Center for Continuing Education, Athens  
 Holiday Inn, Jekyll Island

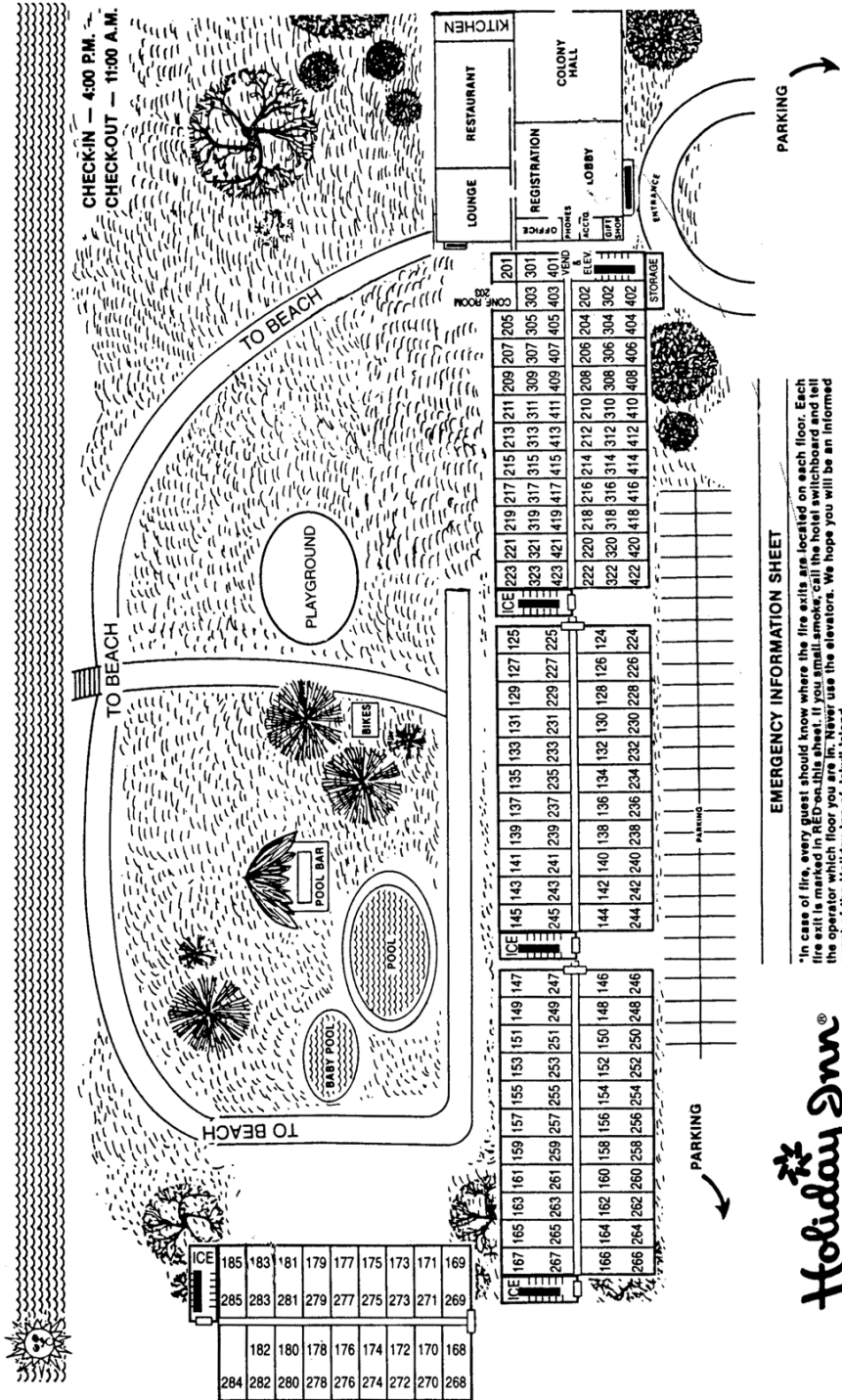
\*Joint meeting of the Georgia Entomological Society and the South Carolina Entomological Society

## NOTES

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## SPEAKER SCHEDULE

Abd-Rabou, Shaaban	Friday 3/31	8:40 am
Bass, Max	Thursday 3/30	8:30 am
Beck, Jessica	Thursday 3/30	4:00 pm
Braman, Kris	Thursday 3/30	2:00 pm
Braxton, L. B.	Thursday 3/30	9:50 am
Buntin, David	Friday 3/31	8:30 am
Camp, Jeremy	Thursday 3/30	3:40 pm
Chen, John	Thursday 3/30	2:30 pm
Cozzie, Linsey	Thursday 3/30	3:30 pm
Da, Kedong	Friday 3/31	9:10 am
DeGooyer, Todd	Thursday 3/30	10:15 am
Douce, Keith	Friday 3/31	9:00 am
Durden, Lance	Friday 3/31	10:30 am
Effler, Rebecca	Friday 3/31	10:10 am
Ellis, Amanda	Thursday 3/30	2:50 pm
Ellis, James	Friday 3/31	8:50 am
Guillebeau, Paul	Friday 3/31	9:20 am
Hinkle, Nancy	Thursday 3/30	2:10 pm
Holmes, Marquita	Thursday 3/30	4:30 pm
Horton, Dan	Friday 3/31	10:20 am
Joseph, Shimat	Thursday 3/30	3:20 pm
McPherson, Robert	Thursday 3/30	1:40 pm
Mock, Sarah	Thursday 3/30	4:20 pm
Ni, Xinzhi	Friday 3/31	10:00 am
Nims, Todd	Thursday 3/30	3:50 pm
Nims, Todd	Friday 3/31	10:50 am
Northfield, Tobin	Thursday 3/30	1:50 pm
Payne, Gregory	Thursday 3/30	11:05 am
Riley, David	Thursday 3/30	11:30 am
Roberts, Phillip	Friday 3/31	9:30 am
Robinette, Marianne	Friday 3/31	8:00 am
Ruberson, John	Friday 3/31	11:00 am
Shockley, F. W.	Thursday 3/30	2:40 pm
Smyth, Linda	Thursday 3/30	1:30 pm
Storey, Cameron	Thursday 3/30	4:10 pm
Tillman, Glynn	Friday 3/31	10:40 am
Ulyshen, Michael	Thursday 3/30	4:40 pm
Young, James	Thursday 3/30	2:20 pm
Zhu, Shuquan	Thursday 3/30	10:40 am



## JEKYLL ISLAND RESTAURANTS AND LOUNGES

Legend: B- Breakfast, L-Lunch, D-Dinner

### Bennigan's at the Beach

Buccaneer Beach Resort  
85 S. Beachview Dr.  
B/L/D

### Oceanside Grill & Café

Oceanside Inn & Suites  
711 Beachview Dr.  
B/L/D

### Blackbeard's Seafood Restaurant

N. Beachview Dr.  
L/D

### Remington's Restaurant & Loggerhead Lounge & Café

Holiday Inn Beach Resort  
100 S. Beachview Dr.  
B/L/D

### At the Jekyll Island Club Hotel:

#### Cafe Solterra

Riverview Dr.  
B/L/D

#### SeaJay's Waterfront Cafe & Pub

Jekyll Harbor Marina  
1 Harbor Rd.  
L/D

#### Courtyard at Crane

Crane Cottage  
Riverview Dr.  
L/D

#### Surf Steakhouse

Villas By the Sea  
1175 N. Beachview Dr.  
B/D

#### The Grand Dining Room

371 Riverview Dr.  
B/L/D

#### Vincent's Pub

371 Riverview Dr.  
Bar

#### Riptides Lounge

Villas By the Sea  
Resort Hotel & Conference Center  
1175 N. Beachview Dr.  
D

#### Capital Steak & Seafood House

Jekyll Oceanfront Clarion Resort  
975 N. Beachview Dr.  
B/L/D

#### Zachry's Seafood House

Shopping Center  
44 Beachview Dr.  
L/D

#### Latitude 31

Jekyll Historic Marina  
1 Pier Rd.  
L/D

#### Zach's Eats and Treats

Shopping Center  
44 Beachview Dr.  
B/L

#### Morgan's Grill Golf Clubhouse

Capt. Wyllly Rd.  
B/L

**Name tags are required to gain admission to paper/poster sessions, business meetings, luncheon and reception**

**Please be considerate of speakers and meeting participants; turn off the ringer on cell phones and pagers before entering the meeting rooms.**

