

CURRICULUM VITA

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EDUCATION

Middle Tennessee State University, Murfreesboro, Tennessee, B.S., December, 1981,
Major: Biology.

Tennessee Technological University, Upper Cumberland Biological Station at Tech-Aqua,
Smithville, Tennessee, 1982, 22 quarter hours of field biology towards M.S.(below).

Middle Tennessee State University, Murfreesboro, Tennessee, M.S., August, 1984, Major:
Biology, Thesis title: "Scanning Electron Microscopic Study of Cuticular Features of
Selected Arachnida Taxa". Major Advisor: Charles R. McGhee.

Auburn University, Auburn, Alabama, Ph.D., December, 1990, Major: Entomology,
Dissertation title: "Comparative Larval Morphology of the Genus *Culicoides* Latreille
(Diptera: Ceratopogonidae) in North America". Major Advisor: Gary R. Mullen.

PROFESSIONAL AND WORK EXPERIENCE

Belmont University - Assistant Professor, Department of Biology, August, 1991-97
Associate Professor, Department of Biology, August, 1997-2003
Professor, Department of Biology, August, 2003 - present

Courses Taught at Belmont University:

BIO 1000: Seminar in Biology
BIO 1010: Biological Sciences
BIO 1010: Biological Sciences: Biodiversity
(paired with ENG 2100 Writer's Affiliate)
BIO 1010: Biological Sciences: Biodiversity
(linked cohort course with COM 1100: Fundamentals of Speech in 2006;
2008-2010)
BIO 1120: Principles of Biology II (Zoology; 1992-2005)

BIO 1120: Principles of Biology II (co-taught with Darlene Panvini)
 (linked cohort course with ENL 2990: Evolution and Environmental
 Literature in 2006-07; with HIS 1200: The Wild West 2008-2009)

BIO 1120: Principles of Biology II (both linked and unlinked sections since 2010;
 continued link with The Wild West and initiated link with Old Testament History
 in 2011)

BIO 2110: Medical Terminology (Blackboard)

BIO 2200: Conservation of Natural Resources (1992-1997)

BIO 2400: Zoology

BIO 3015: Science and Faith – A False Dichotomy? Junior Cornerstone Seminar

BIO 3250: Comparative Anatomy of the Vertebrates

BIO 3500: Comparative Vertebrate Anatomy Laboratory (began in 2011)

BIO 3550: Comparative Anatomy of Vertebrates Lecture (began in 2011)

BIO 3600: Histology Laboratory

BIO 4250: General Embryology

BIO 4440: Histology

BIO 4630: Entomology

BIO 3700: Biological Research I

BIO 4700: Biological Research II

BIO 3200: Parasitology

BIO 3990: Survey of Animal Welfare (Honors Seminar)

BIO 3990: History of Biology (Studies Abroad course)

BIO 3990: Summer Scholars Biology Research

BIO 4710: Senior Seminar

CAS 3000: Undergraduate Research in Biology

EDU 4250S: Secondary Science Education

EDU 5470: Internship Science Methods Block Course

EDU 4000C: Professional Development School Elementary Science Methods

ENV 3550: Research in Environmental Studies

ENV 4500: Senior Capstone in Environmental Studies

HON 1610: Freshman Honors Tutorial

HON 2310: Analytics: Science Models (Science & Faith theme; 2006, 2009)

HON 2350: Sophomore Honors Tutorial

HON 3260: Honors Seminar: Science and Religion

HON 3350: Junior Honors Tutorial

HON 4350: Senior Honors Tutorial

SCI 5050: Science for Elementary Educators

SCI 8500: Science: Principles and Practice (Belmont Bridge Program)

Auburn University, Extension Entomology Specialist for Vegetable Crops, Department of Entomology and Alabama Cooperative Extension Service: May, 1991 - July, 1991. Supervisor: J.W. Brewer.

Auburn University, Research/Teaching Associate, Department of Entomology, January, 1991 - April, 1991. Supervisor: G.R. Mullen. Entomology 514: Aquatic Insects.

Auburn University, Graduate Teaching Assistant, Substitute Lecturer (ENT 200, 304, 502), Departments of Zoology and Entomology, January, 1986 - June, 1987; September, 1988 - June, 1989; March, 1990 - December, 1990.

BIO 101: Principles of Biology.
BIO 112: Animal Biology.
BIO 105: Perspectives in Biology.
ENT 304: General Entomology.
ENT 502: Economic Entomology.
ENT 404: Insects Affecting Man and Animals.
ENT 200: Insects.

Auburn University, Graduate Research Assistant, Department of Entomology, September, 1985 - December, 1985; September, 1987 - June, 1988; June, 1989 - March, 1990. Project: "Biting Flies Affecting Man and Animals". Supervisor: G.R. Mullen.

Auburn University, Alabama Cooperative Extension Service, Arthropod Identification and Control, June - September, 1986 - 1988. Supervisors: Patricia P. Cobb, Gene R. Strother, Ron H. Smith, John C. French, John R. McVay, and Steve L. Brown.

Middle Tennessee State University, Graduate Teaching Assistant/Laboratory Instructor, Department of Biology, 1982 - 1984.

Biology 100: Topics in Biology.
Biology 111: General Biology (Zoology).
Biology 112: General Biology (Botany).

Tennessee Baptist Convention, Student Summer Missionary/Camp Iron Bell, Ellington, New York, 1981.

Empire Pencil Company, Shelbyville, Tennessee, Summer Shipping Clerk, 1978-1980.

RESEARCH INTERESTS

Morphology, taxonomy, and ecology of biting flies and other insects of medical and veterinary importance with emphasis on the immature stages; collection of mammalian ectoparasites, particularly ticks from white-tailed deer; field collections of ticks at sites of confirmed or suspected clinical cases of Lyme Disease; field and laboratory studies of tick repellents from botanical sources; field investigations of biting midges as vectors of Bluetongue and Epizootic Hemorrhagic Disease viruses of cattle and white-tailed deer; field investigations of mosquitoes as vectors of West Nile virus and other arboviruses; field and laboratory investigations of conenose bugs as vectors of Chagas disease in middle Tennessee; enhancement of the Sentricon® (Dow AgroSciences) termite elimination system; morphology, taxonomy, and ecology of the Arachnida.

COLLEGE ACTIVITIES (Undergraduate and Graduate Schools)

Gamma Beta Phi Society (MTSU)	Baptist Student Union (MTSU); president, 1980-1981)
Sigma Club (MTSU Male Honor Society, president, 1982-1983)	F. S. Arant Entomology Club (AU) (president, 1986-1987)
Kappa Delta Pi Educational Honor Society (MTSU)	Auburn Arachnological Working Group (1985-1991)
Beta Beta Beta Biological Honor Society (MTSU)	Assisted with High School Agricultural Honors Program -Alabama (1987-1990)
MTSU Baptist Student Union Alumni Association president, 1989-90	Intramural sports: softball (AU)

CHURCH ACTIVITIES

Royal Ambassador Director - First Baptist Church, Murfreesboro (1993-present)	Concord Baptist Association Royal Ambassador Director (1995-2002)
Insect presentations – First Baptist Church, Murfreesboro, Vacation Bible Schools	Camping/Retreats Committee Chair, First Baptist, Murfreesboro Christian Life Center Steering Committee (1994-95)
Church Council member, First Baptist Church, Murfreesboro (1995-2000)	Fifth Grade Sunday School Teacher, First Baptist Church, Murfreesboro (1992-1999)
Choir member, First Baptist Church, Murfreesboro (1993-2000)	Third Grade Sunday School Teacher, First Baptist Church, Murfreesboro (1999-2001)
Fourth Grade Sunday School Director, First Baptist Church, Murfreesboro (2001-2010)	Contemporary Worship Team PowerPoint/Mediashout! projectionist, First Baptist Church, Murfreesboro (2001–present)
Genesis & Intelligent Design Jan. Bible Study-Immanuel Baptist-Portland (2002)	Upward Basketball 5 th -6 th grade coach (Nov. 2006-Feb. 2007)
Member of Pre-School/Children’s Minister Search Committee (2007)	Chair, Christian Life Center Steering Committee, First Baptist Church, Murfreesboro (2007-2011)
Member of Contemporary Worship Planning Team (2009-present)	Audio/video booth volunteer at Missions Jam 2010 for 300 middle Tennessee children, First Baptist Church, Murfreesboro, October, 2010-11
Member of Missions Committee, First Baptist Church, Murfreesboro (2011-2013 – Chair of Committee in 2013))	Wrote Advent devotional, Dec. 5, 2012, for First Baptist Church, Murfreesboro Advent Booklet
Audiovisual/Lead teacher, Children’s Sunday School Gospel Project Curriculum (2012 – present)	

COMMUNITY ACTIVITIES

Lieutenant Commander, Murfreesboro Camp 33, Sons of Confederate Veterans (1995-1997)	Insects & Disease in the War Between the States presentation, Manchester Camp, Sons of Confederate Veterans (1996)
Insects & Disease in the War Between the States presentation, Murfreesboro Camp 33, Sons of Confederate Veterans (1995)	Insects & Disease in the War Between the States presentation, Nashville Chapter 1, United Daughters of the Confederacy (1996)
Insects & Disease in the War Between the States presentation, Friends of Stones River Battlefield Association (1996)	Insects & Disease in the War Between the States presentation, Lebanon Camp, Sons of Confederate Veterans (1997)
Insects & Disease in the War Between the States presentation, Friends of Stones River Battlefield Association (1998)	Insects & Disease in the War Between the States presentation, McGavock Camp, Sons of Confederate Veterans (2001)
Commander, Murfreesboro Camp 33 Sons of Confederate Veterans (1997-2000)	Chaplain, Murfreesboro Camp 33, Sons of Confederate Veterans (2000-present)
Confederate Memorial Day Address, Evergreen Cemetery, Murfreesboro, (2002)	Secretary, Community School Alumni Association (1993)
Vice-President, Community School Alumni Association (1994)	President, Community School Alumni Association (1995-2000)
Insects & Disease in the War Between the States presentation, Murfreesboro Camp no. 33, Sons of Confederate Veterans (2005)	Insects & Disease in the War Between the States display & interpretation, Oaklands Historic Mansion's Victorian Fair, (2006, 2007)
Insects & Disease in the War Between the States presentation, Sam Watkins (Columbia Camp, Sons of Confederate Veterans (April 15, 2008)	Insects in Victorian Art presentation and Activities at Belmont Mansion's Twilight Party, June 22, 2008.
Insects & Disease in the War Between the States presentation, Murfreesboro Camp, Sons of Confederate Veterans (July 8, 2008)	Member, Murfreesboro Camp 33, Sons of Confederate Veterans 2012 National Reunion Committee (2009-2012)
Insects & Disease in the War Between the States presentation, S.A. Cunningham, Shelbyville Camp, Sons of Confederate Veterans (May 10, 2012)	"Insects & Disease in the War Between the States" presentation, Egbert J. Jones Camp #357, Sons of Confederate Veterans, Huntsville, Alabama (November 1, 2012)
Installed 56 Sentricon Termite Colony Elimination in-ground stations at the Historic Sam Davis Home in Smyrna after soliciting a donation of the stations from Dow Agro-Sciences (April 20, 2013)	"B.F. Cheatham – an extraordinary life" presentation to Murfreesboro Camp no. 33, Sons of Confederate Veterans (February 12, 2013)
"Insects & Disease in the War Between the States" presentation, Sgt. William A. Hamby Camp no.1750, Sons of Confederate Veterans, Crossville, Tennessee (September 19, 2013)	Insects & Disease in the War Between the States presentation, Murfreesboro Camp 33, Sons of Confederate Veterans (February 11, 2014)
Insects & Disease in the War Between the States presentation, Robert H. Hatton Camp 723, Sons of Confederate Veterans (February 27, 2014)	"B.F. Cheatham – an extraordinary life" presentation, Robert H. Hatton Camp 723, Sons of Confederate Veterans (March 27, 2014)

BELMONT UNIVERSITY ACTIVITIES

Insect Presentations/Courses for Children at Area Schools and Organizations

Beetles, Bugs, and Butterflies Summer Day Camps for Elementary School Children (1992-present)	Insect program - Smyrna Public Library Summer Reading Program (1992)
Insect programs - Smyrna Elementary School 4th grade (1992- 2003)	Insect program - Lavergne Public Library Summer Reading Program (1993)
Insect program - MacMurray Middle School 7th grade (1994)	Insect program - Smyrna Cub Scout Pack (1993)
Insect program - Critter Creek Webelos Scout Day Camp (1994)	Insect program - Mitchell-Neilson Primary School Kindergarten, 1 st & 2 nd Grade Classes (1996, 1998, 1999, 2003, 2004, 2006)
Insect programs - Charlotte Park Elementary School Second, Third, & Fourth Grades (three visits - 1996)	Insect program - Cottage Cove After School Program, Nashville (1997)
Insect program - Fairview Elementary Fourth Grade (1997)	Insect program - David Youree Elementary School Third & Fourth Grades (Smyrna, 1998)
Insect programs - Aiken Elementary School Second Grade (1998-2001)	Insect & Spider programs - Bradley Elementary School Kindergarten class (1997-1998)
Insect program - Warner Elementary School WERAP Program (1998)	Invertebrate programs - St. Paul's Christian Academy (1998)
Spider program – Homer Pittard Campus School (Murfreesboro) First Grade class (1998)	Insect program - Fairview Elementary School Kindergarten (1998)
Insect program – Bedford County Home School Association (2000)	Insect program - Westwood Elementary School Third Grade classes (2000)
Pillbug program – Homer Pittard Campus School Third Grade classes (2000)	Four Insect Programs for 2 Franklin Road Academy classes at Belmont University (2001)
Spider program - Community Elementary School (Unionville, 2001)	Insect program - Una Elementary School Fourth Grade classes (2002)
Bugs I View Insect program to 80 Girl Scouts Day Camp at the Warner Parks (2001)	Insect program - Fall-Hamilton Enhanced Option School Kindergarten (July, 2002)
Insect programs to 6 Kindergarten classes at Granbery Elementary School (May, 2003, 2004)	Insect Program to 3 Kindergarten classes at Mt. View Elementary School (April, 2004)
Insect program to 2 Kindergarten classes at Homer Pittard Campus School (March, 2005)	Insect Programs to 5 Kindergarten classes at Shayne Elementary School (May of 2005, 2006, 2007, 2008, 2009)
Arthropods and Disease in the War Between The States program to the Oaklands Mansion Front Porch Past Times Day Camp (June, 2005)	Termite Trails Exhibit at Tennessee Critters Event at the Bicentennial Capital Mall (April 7, 2006; May 11, 2007-10:00 a.m. – 2:00 p.m)
Arthropods & Disease during the War Between The States Living History exhibit at the Oaklands Mansion Victorian Fair (May, 2006;	Insect Program to Warner Enhanced Option Elementary School Pre-Kindergarten classes (2006, 2007)

June, 2007)	
Insect table at the Adventure Science Center During their Robotic Insect Exhibit (Sat., Aug. 26, 2006, 10:00 a.m. – 2:00 p.m.)	Insect Communication Program to a Second Grade class at Homer Pittard Campus School (Aug. 18, 2006)
Insect Program about the Smithsonian Institution’s Insect Zoo to two Fifth Grade classes at Homer Pittard Campus School (Sept.14, 2006)	Termite and Insects around the home table at the Tennessee Entomological Society’s Insect Festival for children (Oct., 2006)
Insect Program/Collecting Trip to 2 First Grade Classes, Park Avenue Elementary School (June 26, 2007)	Two Insect Programs to 150 first graders at Haywood Elementary School (Sept. 5, 2007)
Taught Sixth Grade lesson about the scientific Method using pillbugs and judged projects About termite research, Homer Pittard Campus School, (August 24 & 28, 2007)	Taught Sixth Grade lesson on Ecology and led Food Chain game , Homer Pittard Campus School, (August 31 & Sept. 4, 2007)
Taught Home School Science Discoveries microscopy lesson to 15 children & their parents (February 15, 2008).	Beetles, Bugs, and Butterflies Summer Day Camps for children entering grades 1-3 at The Discovery Center in Murfreesboro (July 31-Aug. 4, 2006; July 28-Aug.1, 2008)
Insect Program to a Second Grade class at Homer Pittard Campus School (October 13, 2008)	Taught Home School Science Discoveries “Arthropods & You” lesson to 15 children & parents (December 19, 2008)
Taught Home School Science Discoveries microscopy lesson to children & their parents at (February 20, 2000).	Winter Insect Program to children and adults At Beaman Park Nature Center (Saturday, Feb. 21, 2009)
Insect/Science Career Program to 16 K-4 Children in Carter-Lawrence after school Program, April 14, 2009	Interacted with children & parents at the Adventure Science Center’s “Scientists on Site” “Would you like to build a blood-sucking bug?” Saturday from 9:00-3:00 p.m., March 26, 2010
"Termite Trails" interactive exhibit at Insect Festival for 126 home schooled children at the Tennessee Entomological Society annual meeting, Knoxville, October 7, 2010	Taught Home School Science Discoveries animal dissection laboratory to 18 children & parents (April 8, 2011)
Taught Home School Science Discoveries laboratory, What’s Alive in a Sample of Water?” to 24 children and parents (March 23, 2012)	Insect program to two groups of 125 children, Pre-K through grade 4 at Kirkpatrick Full Option Elementary School (October 4, 2012)
Taught Home School Science Discoveries laboratory, “Experiments in Animal Behavior” to 14 children and parents (November 30, 2012)	Taught Home School Science Discoveries laboratory, What’s Alive in a Sample of Water?” to 15 children and parents (May 10, 2013)
Taught Home School Science Discoveries laboratory, “Experiments in Animal Behavior I – Betta fish” to 7 children and parents (May 14, 2013)	Taught Home School Science Discoveries laboratory, “Experiments in Animal Behavior II- Pillbugs”to 14 children and parents (May 17, 2013)
Insect/Arachnid program to 100 children and parents at Spring Hill PublicLibrary for summer reading program (July 2, 2013)	Insect program to ten 4-5 year-old children at McHendry United Methodist Church’s Pre-School (August 9, 2013)

Insect/Arachnid program to 75 Cub Scouts and their parents at Granbery Elementary School, Nashville (September 17, 2013)	Insects and Disease in the War Between the States display and interpretation, Sam Davis Home Heritage Days (9:00 a.m. – 1:00 p.m., September 26-27, 2013; September 25-26, 2014)
Insect program to 30 Scouts and parents at Wilson Elementary School, Murfreesboro (April 24, 2014)	Insect program to a First Grade class at Gower Elementary School, Nashville (April 30, 2014)
Insects and Disease in the War Between the States display and interpretation, Sam Davis Home Days on the Farm (9:00 a.m. – 1:00 p.m., May 15-16, 2014)	Interactive insect/display program at the Friends of Warner Parks' Children's Picnic at The Warner Parks Nature Center – 11:00 a.m. – 2:00 p.m. (June 7, 2014)
Beetles, Bugs, and Butterflies Summer Day Camps for Elementary School Children at Cheekwood Botanical Garden and Museum of Art 9:00 a.m. – 12:00 p.m.; 1:00 – 3:00 p.m. (June 9-14, June 16-20, July 14-18, 2014)	Insects and Disease in the War Between the States display and interpretation, School of the Soldier summer day camp, Sam Davis Home – 10:00-11:00 a.m. (June 24, 2014)
Insect Communication program to 40 pre-Schoolers at the Creative Youth Enrichment Center in Nashville - 10:15-11:00 a.m. (August 8, 2014)	Insects and Disease in the War Between the States display and interpretation, Family Day – Health and Medicine, Sam Davis Home – 1:00-4:00 p.m. (August 24, 2014)
Insect/Arachnid program to 75 Cub Scouts and their parents at Granbery Elementary School, Nashville (October 21, 2014)	Taught Home School Science Discoveries laboratory, "Experiments in Animal Behavior I – Betta fish" to 24 children and parents (November 18, 2014)

Other Science-Related Activities

Tennessee Science Olympiad Staff "Metric Estimates" exam (1992-93)	Belmont University Family Day Biology lecture (1991-92)
Judge, Wharton Middle School Science Fair (1994)	Entomology Judge, International Science and Engineering Fair, Nashville (1992)
Medical Entomology programs -summer staff Warner Parks Nature Center (1993- 1998)	"Insects of the Night" Instructor Warner Parks Nature Center (July of 1993-2004; 2008-present) (images from the 2013 20th anniversary event)
Insect program - Montgomery Bell State Park (1995)	African insect program - Aiken Elementary School 1st grade (1995)
Judge, Mt. Juliet Christian Academy Science Fair (1996,1998,2000,2002,2004)	Insect program - Radnor Lake Natural Area (1996)
Judge, Sumner Academy Science Fair (1997)	Insect Program - Friends of Radnor Lake Radnor Lake Nature Center (1997)
Insect Exhibit - Shelby Bottoms Greenway Grand Opening (1997)	Periodical Cicada program - Middle Tennessee Scout Leaders (MTSU) (1998)
Insect Exhibit - The Nature Conservancy of Tennessee Annual Meeting at the Warner Parks	Tennessee Academy of Science Speaker to TSU Molecular Biology Summer Institute (1999)
Tennessee Academy of Science Judging	Judge, Nolensville Elementary Science

Coordinator/Biology Judge, Middle Tennessee Science/Engineering Fair (2000-2005)	Fair Fourth grade projects (2002)
Belmont University DMA Media Tour for The Sentricon Colony Elimination System at The Belmont Mansion (2000)	Loaned Insects to the Smithsonian/Orkin Insect Safari traveling exhibit (2001-2005)
Collected Lone star ticks (filmed on leg!) for Discovery Channel program about the disease Ehrlichiosis (2002)	Supplied Insect Aspirators for Warner Parks Nature Center Workshop for Secondary Science Teachers (2001)
Led Nocturnal Insect walk for Tennessee Educators of Aquatic and Marine Sciences Convention, Henry Horton State Park (April, 2005)	Spoke about Belmont Biology undergraduate research to Metro Parks and Recreation Comm. At Vaughn's Gap Field Station of the Warner Parks (August, 2005)
Supplied termites and equipment to the Adventure Science Center for Science Educational activities (2006)	Led workshop introducing statistical analysis of Populations using periodical cicadas for 100 middle school students at Central Middle School (Murfreesboro) at "Scientists and Society" – June 10, 2008
Gave presentation "Insects of the Night: a Summer Nocturne" to 60 evening visitors at the Head of the Sequatchie Resource Management Area of the Cumberland Trail State Scenic Trail State Park (June 29, 2009)	Participated in a "Bioblitz" at Beaman Park focusing on insects and salamanders after an invitation – October 24, 2009
Beetles, Bugs & Butterflies exhibit at Warner Parks Nature Center 35 th Birthday Celebration (Saturday, October 25, 2008-9:00 a.m.-3:00 p.m.)	Participated in a "Bioblitz" at Beaman Park focusing on insects and salamanders after an invitation – March 20, 2010
Attended professional development workshop, "Scientists on Site", a part of the NSF-funded Portal to the Public at the Adventure Science Center – Dec. 14, 2009 (8:30 a.m.-4:00 p.m.)	Hosted EPA Webinar, "Greening University Campuses" with TDEC personnel at Belmont University- reserved space, ordered lunch, led Campus tour highlighting Belmont Sustainability initiatives – September 16, 2010
Identified insects at Centennial Park for Metro Parks & Recreation – May 13, 2010	Interacted with area science teachers as a "Scientists on Site" with a table entitled, "Would you like to build a blood-sucking bug?" at the Adventure Science Center's "Science Night Out" - 5:00-8:00 p.m., Friday, March 26, 2010
Taught 4 hour course, "The World of Invertebrates: Pollinators, Predators, Pests and Parasites" to 16-30 adults in the Tennessee Naturalist program at Owl's Hill Nature Center September 18, 2010/September 17, 2011/September 15, 2012/September 14, 2013/September 13, 2014	Participated in a "BioBlitz" at Beaman Park focusing on insects and salamanders after an invitation – April 2, 2011
Led "Don't Let the Bed Bugs Bite" discussion as a part of the Adventure Science Center's Science Café series at FIDO Café – 7:00-8:30 p.m. on October 21, 2010	Led "The Cicada Invasion" discussion as a part of the Adventure Science Center's Science Café series at FIDO Café – 7:00-8:30 p.m. on May 19, 2011

Set up display and led six 30 minute tours for employees of Nissan Americas Headquarters wetland in Franklin at their Earth Day Festival on April 20, 2011	Gave presentation about insects and led a hike at Radnor Lake State Natural Area for 13 students with disabilities in Nashville's Friends Life program on August 16, 2011
Led two 30 minute tours for employees of Nissan Americas Headquarters wetland in Franklin on May 20, 2011	Gave a program "Insects Everywhere" and led a one hour hike "Spineless Walk: Insects, Arachnids and Invertebrates" at Hiketoberfest 2011 at Signal Mountain on the Cumberland State Scenic Trail on October 9, 2011
Attended professional development workshop for Science Communication Fellows at the Adventure Science Center – August 27, 2011 (9:30 a.m.-2:00 p.m.)	Interacted with the public at a "Scientist of Site" a table entitled, "Do you Think you Can Stop a Tick in its Tracks?" at the Adventure Science Center on Saturday, April 14, 2012 10 am- 3 pm and Saturday, October 20, 2012 from 11 am – 2 pm
Set up display and led three 30 minute tours for employees of Nissan Americas Headquarters wetland in Franklin as an Earth Day emphasis on April 20, 2012	Participated in a "BioBlitz" at Beaman Park focusing on insects after an invitation –July 21, 2012
Directed a laboratory at Belmont, "Life at a Small Scale" for 11 students with disabilities in Nashville's Friends Life program on August 9, 2012	Invited participant in a Video Conference Call with a panel of other Portal to the Public scientists in Seattle, Washington – March 28, 2013- 3:00-4:30 p.m.
Gave "Migration of the Monarchs" lecture to a professional development teacher workshop sponsored by the Vanderbilt University Center for Latin American Studies at a Cheekwood Botanical Garden (September 29 & October 3, 2012	Participated in a "BioBlitz" at Beaman Park focusing on the animals and plants of its Barrens after an invitation – April 20, 2013
Invited participant at an Adventure Science Center Study Group Session facilitated by Thinc Design- Saturday, April 6, 2013 – 1:00-6:00 p.m.	Gave a Citizen Science presentation entitled: "Dragons and Damsels:The Lives of Odonates" to a group of parents, children and staff at the Discovery Center at Murfree Spring in Murfreesboro, then participated in a walk at their wetland (from 2:00 – 3:30 p.m. on Sunday, October 6 th)
Gave the presentation "Spiders are Arachnids!" to a group of parents and children at the Adventure Science Center on Saturday, October 19, 2013 as a part of their Spooky Science Days	Invited by the Warner Park Nature Center staff to give a spider presentation at the Warner Park Nature Center's 40 th Anniversary Celebration from 11:00 a.m. to 3:00 p.m. on October 26 th
Gave the presentation "Spiders are Arachnids!" to a group of parents and children and worked a Scientist on the Spot table about spiders from 10:00 a.m. – 4:00 p.m. at the Adventure Science Center on Saturday, July 12, 2014 as a part of their Charlotte's Web Day	

Service to Belmont Student Organizations and Programs

Beta Beta Beta Biological Honor Society Faculty Advisor (1992- present)	Beta Beta Beta Biological Society: Harpeth River Project stream sampling (1993-1996)
Belmont Clean Earth Campaign (Recycling) Coordinator (1994 - present)	Belmont Faculty Faith & Academic Discipline Seminar (1995)
Beta Beta Beta Biological Honor Society: assisted Kim Faison and SAACS Students with a 12 th Ave. South “Science Saturday” (1999)	Convocation Program about Belmont’s Recycling Program (Kennedy Hall, 2004)
Joint Convocation Program with Dr. William Bailey of Psychology: “Nature vs Nurture” (Wheeler Humanities Building, 2004)	Assisted with Explorations in Environmental Studies water quality investigation for high School sophomores and juniors- October, 2005
Assisted the ONE Club with cardboard Recycling during Move In Day, August, 2006	Forensic Entomology presentation during “CSI Week”, April 10, 2007
Panel member for Faith-Informed Environmental Science Convocation with Darlene Panvini and John Niedzwiecki on November 11, 2009 (sponsored by the Office of Spiritual Development and the School of Sciences)	Showed LIFE: Insects film and led discussion following it at ONE Club Convocation on April 19, 2011
Shared “Fireside Chat” career experiences and led question & answer session for Belmont’s Kennedy Hall residents with Provost Thomas Burns on October 11, 2011 and with two other people from the Nashville community on October 18, 2012	

Belmont Promotional Activities

Science Lecturer, Brentwood High School Career Day (1996, 2001, 2003)	Science Lecturer, Freedom Middle School Career Day (2001)
MDA Lock-Up Participant (Belmont University 1997)	Biology Lecturer, Belmont Minority Weekend (2001, 2002, 2004)
Helped organize and participated in the SoS Explorations programs for home schooled children (2008-2009)	Led “Microscopes” SoS Explorations Program 15 homeschooled children, (Feb., 2009)
Led “Arthropods and You” SoS Explorations Program for 15 homeschoolers (Dec., 2008)	Presented: “Darwin as a Person”, Movie Clips & Discussion during Darwin Week (Feb., 2009)
Led BIO 3250 Comparative Anatomy students to teach 2 home schooled children about shark anatomy in “Sharks and You” SoS Explorations program (Nov., 2009)	Led BIO 2400 students to teach 18 home school children about the value of animal dissection in “What Can We Learn from Animal Dissection” April 18, 2011.

COMMITTEE/OTHERSERVICE AT BELMONT UNIVERSITY

Library Committee (1992-93)

School of Sciences Brochure Committee (1992-93)
Opportunity Admissions Review Committee (1992-93)
Fall Faculty Workshop Planning Committee (1993)
Graduate Programs Study Committee, Chairman, (1994)
Studies Abroad Council (1995, 1999-2003)
School of Sciences Vision Committee (1995)
Co-Director of School of Sciences Student Exchange Agreement with Saint Petersburg State Technical University (Russia) (1995)
Graduate Education Committee of Len Brosky (1995)
Graduate Education Committee of Debbie Kleckner (1995)
Graduate Education Committee of Pamela Hoar (1995)
Graduate Education Committee of Carol Brown (1995)
Graduate Education Committee of Sabrina Lum (1996-99)
Graduate Education Committee of Shannon Sanford (1996-98)
Graduate Education Committee of Cynthia Milligan (1998-99)
Presidential Faculty Achievement Award Planning Committee (1996)
Alfred Leland Crabb Writing Award Committee (1996-98)
University Travel Evaluation Committee (1996-97)
Academic Appeal Committee (Summer, 1997)
Internal Review Board Member (1996-1998)
Faculty Affairs Council- School of Sciences Representative (1997-99)
Teacher Education Council (1999-2014)
College of Arts and Sciences Curriculum and Catalog Committee (1999-2001)
BIO 101 Course Representative to General Education Triad of Consensus (2000, 2001, Fall of 2002)
Faculty Development Team School of Science Representative (2000–2001)
Presidential Faculty Achievement Award Committee (2001-2003)
Chair, Biology Faculty Search Committee for Botanist/Ecologist position (2001-2002)
Belmont University Affiliate Coordinator for the Biology Department's affiliation with the Gulf Coast Research Laboratory (2002–2008)
School of Science Senator to the Belmont University Faculty Senate (May, 2004 – May, 2006)
Honors Thesis Committees of Erica McVay, Julia Wicke, Shanna Harris, Amber Manzel, Stephen Carlson, Jill Neblett, Tara McDonough, Ashley Newsome and Parth Majudar
School of Sciences Speakers Committee (2008-present)
Department of Biology External Affairs Committee (2008-present)
School of Sciences Service Learning Committee (2010-present)
Summer School Review Team (2010)
College of Arts & Sciences Catalog & Curriculum Committee (2010-2012)
College of Arts & Sciences Search Committee for a Chemistry/Science Education faculty position (2013-2014)
At-Large Senator of the Faculty Senate (2014-present)
Belmont STEM Advisory Council (2014-present)
CSM Planning Team (2014-present)

COMMITTEE/OTHER SERVICE TO OTHER UNIVERSITIES AND SCIENTIFIC ORGANIZATIONS

Auburn University, Entomology Department Head Search Committee (1987)
Auburn University, Entomology Student Recruitment Committee (1988-1990)
Auburn University, Entomology Program Development Committee (1990)
Meharry Medical College Institutional Animal Care and Use Committee (1992-2007)
Tennessee Entomological Society, Awards Committee, Chairman (1992-93, 95-96)
Tennessee Entomological Society, Publicity Committee, Chairman (2000–2008)
American Veterinary Medical Association Site Visit Accreditation Team, Public Member, Veterinary Technology Program, Columbia State Community College (1995)
Zoology Section Chair, Tennessee Academy of Science (1996)
Meeting Coordinator, Tennessee Academy of Science Executive Committee (1996-97)
President-Elect, Tennessee Entomological Society (1996-97)
President, Tennessee Entomological Society (1997-98)
President-Elect, Tennessee Academy of Science (1998)
President, Tennessee Academy of Science (1999)
Local Arrangements Committee, Signage Sub-Committee Chair, Entomological Society of America Annual Meeting, December, 1997, Opryland Delta Convention Center
Local Arrangements Committee Chair, Tennessee Academy of Science Annual Meeting, November, 2000, Belmont University
Chair, Tennessee Academy of Science Nominating Committee (2000-2001)
Tennessee Academy of Science Judging/Awards Coordinator for the Middle Tennessee Science and Engineering Fair (MTSEF) at Vanderbilt University (2000-2005)
Tennessee Academy of Science, Elected Treasurer, (2003-present)
Member, Southeastern Branch, Entomological Society of America, Member Awards Committee (2004-2007)
Judge, Ph.D. Student Poster Competition, 2007 meeting of the Southeastern Branch, Entomological Society of America (March, 2007)
Member-at-Large, Tennessee Entomological Society (2006-2008)
Elected Secretary, Tennessee Entomological Society (2008–present)
Faculty Advisor to alumna Bridget Shariat - Research Project for OD program at Virginia Polytechnic Institute and State University (2009-2010)
Interim Zoology Section Chair, Journal of the Tennessee Academy of Science (July, 2010 – present)
Elected Treasurer, Tennessee Mosquito and Vector Control Association (2011-present)
Charter Member and Website Group Administrator, Nashville Chapter of the

American Scientific Affiliation (June, 2013 – present)

HONORS AND AWARDS

Boy's State representative (High School)	Charles Holland Biology Department Scholarship (MTSU)
Youth in Government participant (High School)	Association of Southeastern Biologists Travel Award (MTSU)
Best All Around Award (High School)	Cum Laude B.S. graduate (MTSU)
Varsity Letter, Basketball (High School)	J.G. Parchment Tech-Aqua Scholarship (MTSU)
Gamma Sigma Delta Agricultural Honor Society (Auburn University)	Sigma XI Associate Membership (Auburn)
Henry and Myrtle Good Outstanding Ph.D. Student Award (Auburn University)	Entomology Graduate Student Travel Award (Auburn University)
Lighten Up our Campus with Recycling Award (1995)	Promotion to Associate Professor and awarded Tenure (1997)
Lighten Up our Campus with Cicada Day Award (1998)	Finalist for 1998 Belmont Presidential Faculty Achievement Award
Finalist for 1999 Belmont Presidential Faculty Achievement Award	Elected Fellow of the Tennessee Academy of Science (1999)
Co-Recipient of 2001 Belmont Presidential Faculty Achievement Award	Elected as a F21 Representative of Project Kaleidoscope (Science Reform) (1999)
Promotion to rank of Professor (BU -2003)	Nominee for Chaney Distinguished Professor (BU-2003)
Tennessee Environmental Education Assoc. Environmental Educator of the Year Award (2004)	Nominated by Belmont University for the Tennessee Science Teachers Association's Science Educator of the Year Award (2005)
Awarded a Sabbatical Leave for Fall Semester, 2007	Nominee for Chaney Distinguished Professor (BU-2008)
Chosen by Belmont Baseball player Jamie Ritchie to be honored with a Player's Choice Award at the Evansville game on April 3, 2013	Recipient of a Faith-Informed scholarship from the College of Arts and Sciences to join the American Scientific Affiliation and attend the 2013 ASA annual meeting at Belmont
Recipient of the Tennessee Science Teachers Association Science Teacher of the Year Award for Higher Education (11/8/2013)	Elected to the Board of Trustees of the Sam Davis Memorial Association (2/13/2014); Co-Chair of the Buildings and Grounds Committee 2014- present.

HOBBIES AND INTERESTS

Photography, hiking, genealogy, archaeology, collecting arthropods, giving insect/arachnid talks to groups of elementary students, youth, and adults, spelunking, history of biology/entomology.

TECHNICALSKILLS

- Scanning electron microscopy
- Transmission electron microscopy

- Photomicrography
 - Photographic and darkroom techniques
 - Spanish/Russian translation
 - Arthropod identification and control
 - MediaShout! presentation software
 - Histological techniques
 - Microsoft Word, Excel, Access, PowerPoint & MovieMaker
 - MicroGrade, Netscape Composer, FileMaker Pro
 - Quicken, FileZilla, Komposer
- Black and white prints of scanning electron photomicrographs and color slides are on file with the Biological Photo Service; some have been used in college-level biology textbooks.

PROFESSIONAL MEMBERSHIPS

- Tennessee Academy of Science
- Tennessee Entomological Society
- Ceratopogonidae Information Exchange
- American Scientific Affiliation
- American Arachnological Society
- Entomological Society of America
- Tennessee Mosquito and Vector Control Association

MEETINGS HOSTED

- 1995 Biting Fly Workshop, NaCoMe Conference Center, Pleasantville, Tennessee, May 16-19.
- 2000 Tennessee Academy of Science Local Arrangements Committee Chair, Belmont University, November 16-17.

EDITORIAL/WEBMASTER RESPONSIBILITIES

“Ceratopogonidae Information Exchange” International Biannual Newsletter and Website (<http://www.belmont.edu/Science/Biology/cienews/cie.htm>), Editor (August, 2000 – present)

INVITED PRESENTATIONS

North American *Culicoides* Revisited: Taxonomic Implications. Biting Fly Workshop, Mississippi State University, Starksville, Mississippi, May 19, 1993

Comparative Larval Morphology of the Genus *Culicoides* in North America: Taxonomic Implications. Ceratopogonidae Symposium, Third International Congress of Dipterology, University of Guelph, Guelph, Ontario, Canada, August 15-19, 1994.

Natural History Excursions - Annual Conference of Tennessee Environmental Education Association, September, 1994.

Arthropods of Medical Importance in the Southeastern United States. Senior Seminar, Tennessee Technological University, Cookeville, Tennessee, October 23, 1996.

Co-Presenter of the “Naturalist Intelligence” at Belmont University’s Multiple Intelligences Workshop, February 22, 1997.

Guest Lecture, "Science in the Elementary School" to Teaching Methods class, Fisk University, Nashville, Tennessee, February 24, 1997.

Arthropods of Medical Importance in the Southeastern United States. Undergraduate Honors Seminar, Austin Peay State University, Clarksville, Tennessee, March 27, 1997.

"Thinking like a Natural Scientist" - Belmont University Honors Orientation Class, October, 1997.

Guest Lecture, "World Hunger and the Environment" convocation-credit co-presentation with Michelle Tooley during Belmont University's Hunger/Homelessness week emphasis, November, 1997-present.

"Environmental Conditions in Metro Nashville" - Belmont University's Environmental Sociology Class, February, 1998.

"How Useful are Immature Ceratopogonids as Taxonomic Resources? the Case for All-stage Descriptions". Annual meeting of the Biting Fly Workshop, Blackwater Falls State Park, Davis, West Virginia, June 12-15, 1998.

"Biology of Hearing" Presentation to 30 K-3 teachers at the TSU/NSF Foundations of Physical Science Summer Institute, June, 2000.

"Aquatic Insects" Inservice Instructor to Owl's Hill Nature Center Staff, July, 2000.

"Southern Tick-Associated Rash Illness" Presentation to the Lyme Disease Network of Middle Tennessee, September, 2002.

"Interpreting Tennessee's Arthropods" to Tennessee State Parks Seasonal Interpretive Ranger Inservice, Fall Creek Falls State Park, May, 2004.

"Belmont University's Recycling Program: An Uphill Experience" to the Tennessee Recycling Coalition at their annual meeting, October, 2004.

"Why Chocoholics Should Not Be Entomophobics: Biting Midges as Pollinators of the Cacao Plant" to Dr. Kim Faison's Freshman Seminar, "Ways of Knowing: the Dark Side of Chocolate", September 13, 2005.

"Belmont University and its Environmental Record" to Dr. Judy Skeen's Ecojustice and Religion class, September 16, 2005.

"Native Insects and Native Plants – Endless Forms Most Beautiful" to the Tennessee Native Plant Society at Fall Creek Falls State Park, September 19, 2008.

"Controlling Termites using the Sentricon System" to Dr. Darlene Panvini's ENV 1110 class (spring semester, 2008; Feb. 18, 2009)

“Insects of the Night – A Summer Nocturne” to 60 evening visitors to the Head of the Sequatchie Valley State Park, June 29, 2009. (<http://www.friendsofthecumberlandtrail.org/special-events/summer-spectacular-butterflies-and-fireflies-light-your-days-and-nights/>)

“Native Insects and Native Plants – Endless Forms Most Beautiful” to the Middle Tennessee Perennial Plant Society at Cheekwood Botanic Gardens, Nashville, July 21, 2009.

“Belmont Goes Green” as a Sharing Campus Success panelist at the Summit for Campus Sustainability – Tennessee Valley Universities Investing in a Clean Energy Future”, Middle Tennessee State University, Murfreesboro, October 2, 2009.

“Beetle-Juice: Eating Insects” – Personal/Professional Growth Convocation sponsored by the Wright Hall Resident Assistants. Belmont University, November 30, 2009.

“Got Science?” Scientists on Site Saturday at the Adventure Science Center; “Would You Like to Build a Blood-Sucking Bug?” activity table; March 27, 2010; 9:30 a.m.–3:30 p.m.

MANUSCRIPT/BOOK CHAPTER REVIEWS

“Comparative Study of Mouthparts of Predaceous Midges of The Tribe Palpomyiini (Diptera: Ceratopogonidae) from the Eastern United States” by McKeever et al. (1995) for Proceedings of the Entomological Society of Washington.

“Effect of Temperature on Infection of Greater Wax Moth (*Galleria mellonella*) Larvae” by entomogenous nematodes from Tennessee soils” by Rueda et al. (1996) for the Journal of the Tennessee Academy of Science.

“Functional Morphology and Phylogeny of the Larval Feeding Apparatus in the Dasyheleinae and Forcypomyiinae/Diptera, Ceratopogonidae” by A.F. von Lieven (1998) for Deutsche Entomologische Zeitschrift.

“New Records for *Aedes albopictus* from Tennessee” by Jim Moore (1998) for Entomological News.

“Seasonal Abundance of the Free-living Stages of the Lone Star Tick (*Amblyomma americanum*) in Cumberland County, Tennessee” by Reid Gerhardt (1998) for the Journal of the Tennessee Academy of Science.

“Complete Descriptions of Two New Species of *Culicoides* (Diptera: Ceratopogonidae) from Desert Mountain Ranges in Southern California” by Mark Breidenbaugh and Bradley Mullens (1998) for Proceedings of the Entomological Society of Washington.

“A Revision of the Patagonian Biting Midges of the Genus *Paradasyhelea* Ingram and Macfie (Diptera: Ceratopogonidae)” by Gustavo Spinelli and William Grogan (2002) for Proceedings of the Entomological Society of Washington.

“Ground-inhabiting Ants Collected in a Mixed Hardwood Southern Appalachian Forest in Eastern Tennessee” (2002) by M.M. Gibbs, P.L. Lambdin, J.F. Grant and A.M. Saxton for the

Journal of the Tennessee Academy of Science.

“The Lost Section of the Tennessee Academy of Science” (2003) by James X. Corgan for the Journal of the Tennessee Academy of Science.

“New Species of Central American *Culicoides* Latreille (Diptera: Ceratopogonidae) with a synopsis of species from Costa Rica” (2003) by Gustavo Spinelli and Art Borkent for Proceedings of the Entomological Society of Washington.

“*Austroconops* Wirth and Lee, a Lower Cretaceous genus of biting midges yet living in Western Australia: a new species, first description of the immatures and discussion of their biology and phylogeny (Diptera: Ceratopogonidae) (2003) by Art Borkent and Douglas Craig. American Museum of Natural History.

“Insect Species Associated with Eastern Hemlock in the Great Smoky Mountains National Park and Adjacent Areas” (2005) by L. Buck, P. Lambdin, D. Paulsen, J. Grant and A. Saxton for the Journal of the Tennessee Academy of Science.

“A new species of the biting midge genus *Dasyhelea* Keiffer from the Bahamas (Diptera: Ceratopogonidae)” (2005) by William L. Grogan and Julia A. Wieners for the Proceedings of the Entomological Society of Washington.

“A new synonym of the biting midge, *Culicoides bottimeri* Wirth, with a re-description, new distribution records and seasonal activity data (Diptera: Ceratopogonidae) (2005) by Robert A. Phillips, William L. Grogan and Bradley A. Mullens for Zootaxa.

“A new species and new record of biting midges of the genus *Dasyhelea* Kieffer from Morelos and Jalisco, Mexico (Diptera: Ceratopogonidae) (2005) by Heron Juerta and William L. Grogan for the Proceedings of the Entomological Society of Washington.

“Diversity of ground-dwelling insects in a mixed hardwood southern Appalachian forest in eastern Tennessee. (2007) by M.M. Gibbs, P.L. Lambdin, J.F. Grant and A.M. Saxton for the Journal of the Tennessee Academy of Science.

“First report of infestations of *Culicoides paraensis* (Diptera: Ceratopogonidae) in Cities of the Itapocu River Valley, Southern Brazil. (2007) Entomological News.

“A new species of predaceous midge from Costa Rica (Diptera: Ceratopogonidae)” (2007) by Borkent et al. Proceedings of the Entomological Society of Washington.

“New Records of Ceratopogonidae (Diptera) From South Carolina, With Notes on Their Biology” (2007) by Dustin A. Swanson and William L. Grogan, Jr. Entomological News.

“First Report of *Atrichopogon (Meloehalea) oedemerarum* Stora, 1939 (Diptera: Ceratopogonidae) from the Neotropical Region.” (2007) by Andrea Tothova. Zootaxa.

“A Comparison of the Agar and a New Centrifuge Sugar Flotation Technique for the Extraction of Immature Ceratopogonid Life Stages From Salt Marsh Soils”. (2008) by Daniel Kline.

Russian Entomological Journal.

- “Valentina Matveevna Glukhova” (2008) memorial paper by Andre A. Przhiboro and Natalia K. Brodskaya for the Russian Entomological Journal.
- “Forensic Entomology” (2008) Chapter by William L. Krinsky for the second edition of Medical and Veterinary Entomology, Gary R. Mullen and Lance Durden, editors. Elsevier Press.
- “First Description of the Male of *Notiohelea* Grogan and Wirth (Diptera: Ceratopogonidae)” (2008) by Gustavo R. Spinelli, Pablo I. Marino, and Art Borkent for Proceedings of the Entomological Society of Washington.
- “Biting midges of the genus *Culicoides* in South Carolina zoos,” (2008) by Mark P. Nelder, Dustin A Swanson, Peter H Adler, William L Grogan for the Journal of Insect Science.
- “New Records of Biting Midges of the Genus *Culicoides* Latreille (Diptera: Ceratopogonidae) for Spain and Catalonia Autonomous Community (NE Spain), With Notes on Their Biology and Veterinary Importance.” (2008) by V. Sarto i Monteys, J.C. Delécolle, J.O. Moreno-Vidal and M. Pinna. for the Proceedings of the Entomological Society of Washington.
- "Species diversity and seasonal abundance of *Culicoides* (Diptera: Ceratopogonidae) in northwestern Argentina" (2008) by C. A. Veggiani Aybar*, M. J. Dantur Juri*, M. S. Lizzaralde de Grosso* and G. R. Spinelli for Medical and Veterinary Entomology.
- “A new Nearctic species of *Atrichopogon* (*Meleohelea*) and a redescription of *A. (M.) chilensis* Ingram & Macfie (Diptera: Ceratopogonidae)” (2009) by Andrea Tóthová, Gustavo R. Spinelli & Pablo I. Marino for Zootaxa.
- “Redescription of the immature stages of *Forcipomyia* (*Phytohelea*) *bromelicoa* (Lutz) (Diptera: Ceratopogonidae)” (2009) by Pablo Marina, Maria Ronderos and Gustavo Spinelli for Aquatic Insects.
- “Catalog of the New World Biting Midges North of Mexico (Ceratopogonidae: Diptera)” (2009) by Art Borkent and William L. Grogan, Jr. (52 pages) for Zootaxa.
- “Biodiversity of the Insect Fauna Within the Unique Sinking Pond Habitat in Middle Tennessee” (2010) by J. Vlach, P. Lambdin, C. Dilling, J. Grant, D. Paulsen and G. Wiggins for the Journal of the Tennessee Academy of Science.
- “New State and County Records of Biting Midges from Pennsylvania (Diptera: Ceratopogonidae)” (2011) by L. J. Hribar and W.L. Grogan, Jr. for the Journal of the Pennsylvania Academy of Science.
- “Two New Species of the Predaceous Midge Genus *Amerohelea* Grogan and Wirth from Argentina (Diptera: Ceratopogonidae).” (2011) by Ana L. Gaddi, Gustavo R. Spinelli and William L. Grogan, Jr. for the Proceedings of the Entomological Society of Washington.

“The Ant (Hymenoptera: Formicidae) Fauna of the Cedar Glades and Barrens of the Central Basin of Tennessee”. (2012) by JoVonn Hill for the Journal of the Tennessee Academy of Science.

"Spatio-temporal distribution patterns of biting midges of the genus *Culicoides* in Salta province, Argentina," (2012) by Cecilia Adriana Veggiani Aybar, María Julia Dantur Juri, Mirta Santana, Mercedes Sara Lizarralde de Grosso, Gustavo Ricardo Spinelli. Journal of Insect Science.

“Further Biting Midges (Ceratopogonidae: Diptera) in Canadian Cretaceous Amber" (2012) by Art Borkent. The Canadian Entomologist.

“Status of *Tadarida brasiliensis cynocephali* (Brazilian or LeConte's Free-tailed Bat) in Tennessee and Surrounding States” (2012) by Andrew N. Barrass. Journal of the Tennessee Academy of Science.

“Distribution of a Non-Native Gecko (*Hemidactylus turcicus*) in Tennessee” (2013) by Eric J. Nordberg. Journal of the Tennessee Academy of Science.

“Biting Flies (Culicidae, Ceratopogonidae, Tabanidae) of the Prairie Ecozone” (2013); a chapter by Tim J. Lysyk and Terry D. Galloway in Volume III of Arthropods of Canadian Grasslands: Biodiversity and Systematics. Biological Survey of Canada, Hector Carcamo and Donna Giberson, Eds.

“The Giant Water Bug, *Belostoma lutarium*: An Ideal System for Studies of Ecology, Evolution and Behavior”. (2014) by Patrick Hicks and Hope Klug. Journal of the Tennessee Academy of Science.

“The Pupae of the Biting Midges of the World (Diptera: Ceratopogonidae), With an Analysis of the Phylogenetic Relationships Among Genera” (2014) by Art Borkent. Zootaxa3879 (1):1–327.

“Surface Morphology of Dorsal Scales of Red Cornsnakes (*Pantherophis guttatus*) and Gray Ratsnakes (*Pantherophis spiloides*) from Middle Tennessee”. (2015) by Brian T. Miller, Abby Drumwright, Herschell Parker, and Joyce L. Miller. Journal of the Tennessee Academy of Science.

BOOK REVIEW

Review of Journey to the Ants by B. Holdobler and E. O. Wilson in Bios, A Quarterly Journal of Biology; 66 (4): pp. 212-213 (1995).

BOOK FOREWORD

Wrote the Foreword for Aquatic Biodiversity in Latin America: Volume 4: Neotropical

Ceratopogonidae (Insecta: Diptera) by Art Borkent and Gustavo Spinelli. Pensoft Publishers – Sofia, Moscow. June, 2007.

TEXTBOOK REVIEWS

Chapter Review of Zoology, 5th Edition. 2001. for the publisher, McGraw Hill (2000).

Accuracy Review of Cord Biology, 1st Edition. 2000. Globe Fearon *for* Tennessee Department of Education (July, 2002).

Accuracy Review of Human Body Systems (Student and Teacher Guides). 2000. National Science Resource Center *for* Tennessee Department of Education (July 2002).

Three Accuracy Review Verifications of texts for the Tennessee Department of Education (March, 2003)

Two Chapter Reviews of Zoology, 7th Edition. 2007 for the publisher, McGraw Hill (2007).

Acknowledged in the Preface for corrections submitted for Elementary Science Methods – A Constructivist Approach, 5th Edition. David J. Martin. 2009, Wadsworth/Cengage Learning.

MEDIA COVERAGE

The Tennessean, "Tiny World Often Overlooked", June 26, 1992.

The Tennessean, "Entomology Class Doesn't Bug Kids", June 17, 1993.

The Tennessean, "Taking wing for 2,000 miles- Monarchs head south to Mexico", October 25, 1993.

The Tennessean, "Fire Ants Give New Meaning to Picnic Pests", May 13, 1994.

The Tennessean, eight telephone interviews leading to 8 articles about the 13-year (periodical) cicada emergence, April-June, 1998.

Financial Times, London, "Nashville is visited by 'locust' plague", May 19, 1998.

The Nashville Scene, "Old red eyes is back", interviewed on the Belmont campus by Michael Sims who authored the article.

The Tennessean, "Along Came a Spider", interviewed by telephone and faxed information, July 13, 1999.

The Tennessean, "New Technology Helps Rid the Hermitage of Termites", interviewed by telephone, April 24, 2002.

Shelbyville Times-Gazette, entomology consultant to "Scraps of Poplin" column,

1994 – 2006 (Mr. Dick Poplin passed away).

The Tennessean, “Don’t give ticks a chance to catch on this fall”, interviewed by telephone by Larry Woody, Sept. 24, 2006.

The Tennessean, “Faux mosquito scares, annoys”, telephone interview by Anne Paine, May 1, 2008.

The Tennessean, “If ants march in, avoid the urge to spray”, telephone interview by Jenny Upchurch, May 12, 2009.

The Tennessean, Davidson A.M., “Forget to sign up for camp?MBA, Harpeth Hall, Belmont, others have some open spots”, June 17, 2009; e-mail interview by Angela Patterson, June 3, 2009.

The Tennessean, “Cicadas’ noisy rattle starts early in Middle Tennessee”, telephone & email interview by Anne Paine, June 30, 2010.

The Tennessean, “Autopsy to be performed on girl who died day after spider bite”, telephone & email interview by Nicole Young, September 3, 2010.

The Washington Post, “A life of service, wherever the need: Army captain who 'just impressed people' is buried at Arlington”, October 22, 2009; telephone interview by Yamiche Alcindor, October 20, 2009.

The Tennessean, “Cicadas bring back the buzz”, telephone interview by Andy Humbles, May 10, 2011 Video interview by Tennessean videographer (<http://www.tennessean.com/videonetwork/937328445001/Cicadas-begin-to-emerge-from-13-year-slumber>) later picked up by the [Huffington Post](#) and [USA Today](#).

The Tennessean, “Ms. Cheap: Warner Park Nature Center program teaches about insects”, telephone and email interview by Ms. Cheap (Mary Hance). July 24, 2013. http://www.tennessean.com/article/20130725/COLUMNIST0401/307250013/Ms-Cheap-Warner-Park-Nature-Center-program-teaches-about-insects?gcheck=1&nclick_check=1

The Nashville Ledger, “School-based camps: From crime scenes to stolen bases”, Volume 37, No. 5; telephone interview by Brad Schmidt, February 1, 2013.

Discovery News, “the Cicadas Are Coming...Hungry?” telephone interview by Tim Wall, April 3, 2013. (<http://news.discovery.com/earth/how-to-hunt-a-cicada-smorgasbord-during-the-swarmageddon-130403.htm>)

1380 AM WIZO radio, Interview about Belmont’s Biology Department’s involvement in monitoring the Bordeaux Landfill Borrow Pit site and about my Beetles, Bugs, and Butterflies summer classes.

650 AM WSM radio, Interviews about the 13-year (periodical) cicada emergence
Two studio interviews; two telephone interviews; May, 1998.

650 AM WSM radio, Interview about indoor foggers/bombs for pest insect control, March, 1999.

650 AM WSM radio, Interview about my use of the Sentricon termite colony elimination system at the Belmont Mansion, April, 2000.

90.3 FM WPLN radio, studio interview about the 13-year (periodical) cicada emergence, May, 1998.

92.9 FM The Mix radio, telephone interview about crane flies, 17-year cicadas and ticks, May, 2008.

95.9 FM/1270 AM WQKR Portland, Tennessee - Women's Round Table telephone interview, May 17, 2011.

90.3 FM WPLN radio, office interview by reporter Bridgit Bowden towards a segment entitled: "2011 Cicada Invasion is an Opportunity for Scientists" that aired on Tuesday, May 31, 2011.

WSMV - Channel 4 News, Interview about the Asian Tiger mosquito, July, 1993.

WSMV - Channel 4 News, Two 13-year cicada interviews, first on the Belmont campus, second at my home in Murfreesboro, May, 1998.

WSMV – Channel 4 News, Interview about my use of the Sentricon termite colony elimination system at the Belmont Mansion, April, 2000.

WSMV – Channel 4 News, Interview about the effectiveness of mosquito repellent devices and Traps; West Nile virus and area mosquitoes, September, 2003.

WTVF - NewsChannel 5, Talk of the Town Show. Showed Joe Case insect specimens, photos, promoted my Beetles, Bugs, and Butterflies Summer Class, June 16, 1997.

WTVF – NewsChannel 5, Interview about my use of the Sentricon termite colony elimination system at the Belmont Mansion, April, 2000.

WKRN - Channel 2, Interview about the effect of El Nino on local arthropod abundance which aired in the Channel 2 SevereWeather one-hour special, April, 1998.

WKRN - Channel 2, 13-year cicada interview which aired during the 5:00 news, May, 1998.

WKRN - Channel 2, Black widow spiders in childrens' sandboxes and play areas. (requested that this idea be released to area media through Belmont's News & Information Officer) August, 2001.

WZTV – Fox 17 News, Interview about mosquito biology, repellents, West Nile Virus; August, 2002.

WZTV – Fox 17 News, Morning Show, Presented Fox/Belmont Teacher of the Week Award and promoted Beetles, Bugs and Butterflies; May, 2003.

WSMV – Channel 4 News, Interview about efficacy of mosquito repellents and elimination devices

Following a report of the first West Nile Virus case in the Nashville Area; August, 2003.

WTVF – News Channel 5, Interview about fall webworms; September, 2008.

WZTV– Fox 17 News, [Interview](#) by Skye Arnold about brood XIX of the periodical cicadas which aired on the 9:00 p.m. news; May 9, 2011.

WKRN - Channel 2, [Interview](#) by Todd Dunn about brood XIX of the periodical cicadas which aired on the 4:30 p.m. news, May 10, 2011.

WKRN – Channel 2, "Cicada School" [Interview](#) by John Dwyer before I led the discussion at the Cicada Invasion Adventure Science Center's Science Café at Fido Café in Hillsboro Village.

WSMV – Channel 4 News, e-mail contribution to: Middle Tennessee Cicadas Dying Soon Cicadas That Emerged Last Week To Stay Longer, aired on June 3, 2011.

MSNBC.COM – Interviewed by Mark Bryant by telephone and quoted in "Munching bugs: Tasty, popular and eco-smart":http://overheadbin.msnbc.msn.com/_news/2011/10/27/8481151-munching-bugs-tasty-popular-and-eco-smart

FOX NEWS – America Live program – television interview in segment about ticks and tick-borne diseases, August 20, 2013.

WKRN - Channel 2, Interview by Najahe Sherman about fire ants in Tennessee which aired on the 4:00 p.m. news, March 28, 2014.

WKRN - Channel 2, Interview by Nick Caloway about brown recluse spiders which aired on the 10:00 p.m. news, July 18, 2014.

POPULAR ARTICLES WRITTEN

"Muscles flex for zebra mussel influx" - description of Dr. Bruce Conn's Vaughn Science Lecture for the School of Sciences on October 27, 1994 in 1900 Belmont (1994-95) vol. 1(3): p. 9.

"Belmont biologists bank in Bordeaux" - description of the Biology department's involvement in a long-term environmental monitoring program at the Bordeaux landfill; Circle Magazine, Belmont University; Summer, 1996; vol. 35 (1). p. 5.

"13-year Periodical Cicadas" in March, 1998 issue of the Tennessee Nurseryman's Association Newsletter.

"Belmont Prepares for Return of 13-year Cicadas" column in March 20, 1998 issue (vol. 2 (6) of Belmont University's Belmont yoU.

"The trees are alive with the sound of...cicadas" Murfreesboro Sun, April 29, 1998.

“A Light-Hearted Look at No-see-ums”, May, 2000 issue of the Tennessee Conservationist.

“Chiggers Are a Fact of Life”, May/June, 2001 issue of the Tennessee Conservationist.

“Varied Scientific Concepts Deserve Study”, February, 2001 three star Letter to the Editor, The Tennessean.

"Ticks...All They Need is...Blood!", May/June, 2002 issue of the Tennessee Conservationist.

“M is for Mosquito”, May/June, 2003 issue (Vol. LXIX, No. 3) of the Tennessee Conservationist.

“Conenose Bugs: Look...But Don’t Touch”, May/June, 2004 issue (Vol. LXX, No. 3) of the Tennessee Conservationist.

“Insects of the Night: Warner Park Nature Center’s Celebration of Insects”, July/August, 2004 issue (Vol. LXX, No. 4) of the Tennessee Conservationist.

“Snake Tales or Science? The Most Unusual Story of Thankful Taylor”, May/June, 2005 issue (Vol. LXXI, No. 3) of the Tennessee Conservationist.

“Calls of the Night (Katydid)s”, coauthored with Bob English, May/June, 2006 issue (Vol. LXXII, No. 3) of the Tennessee Conservationist.

“Learn to Live With and Respect Horse Flies and Deer Flies”, July/August, 2006 issue (Vol. LXXII, No. 4) of the Tennessee Conservationist.

“Tennessee’s Threatened and Endangered Insects” coauthored with Andrea English, September/October, 2006 issue (Vol. LXXII, No. 5) of the Tennessee Conservationist.

“Managing Mosquitoes”, March/April, 2008 issue (Vol. LXXIV, No. 2) of the Tennessee Conservationist.

“Bees and Nature” coauthored with Dr. John Skinner, May/June, 2008 issue (Vol. LXXIV, No. 3) of the Tennessee Conservationist.

“What is Wrong with Science Instruction?” Reader View in “Science Trapped in a Fixed State” Topic in The Tennessean, January 30, 2009.

“Coexisting with Web Weavers”, September/October, 2009 issue (Vol. LXXV, No. 5) of the Tennessee Conservationist.

“Powerful Pollinators”, coauthored with Lisa Powers, March/April, 2010 issue (Vol. LXXVI, No. 2) of the Tennessee Conservationist.

“Creatures that Make Compost Work”, coauthored with Robert Wadley, May/June, 2010 issue (Vol. LXXVI, No. 3) of the Tennessee Conservationist.

“Forecast: Cicadas”, May/June, 2011 issue (Vol. LXXVII, No. 3) of the Tennessee Conservationist.

“Biocontrol: The Good, the Bad and the Ugly”, March/April, 2012 issue (Vol. LXXVIII, No. 2) of the Tennessee Conservationist.

“Stinging Caterpillars”, July/August, 2012 issue (Vol. LXXVIII, No. 4) of the Tennessee Conservationist.

“Scorpions in Tennessee”, September/October, 2012 issue (Vol. LXXVIII, No. 5) of the Tennessee Conservationist.

“Bugfest After Dark”. July/August, 2013 (Vol. LXXIX, No. 4) issue of the Tennessee Conservationist.

“Where to Go to See Things That Glow”, May/June, 2014 (Vol. LXXX, no. 3) issue of the Tennessee Conservationist.

“Tennessee’s Assassin Bugs”. July/August, 2014 (Vol. LXXX, no. 4) of the Tennessee Conservationist.

“Ants!” with Karen Vail, January/February, 2015 (Vol. LXXXI, no. 1) of the Tennessee Conservationist.

“13-Year Cicadas “Out West”, March/April, 2015 (Vol. LXXXI, no. 2) of the Tennessee Conservationist.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

Scanning electron microscopical study of cuticular features of selected arachnid taxa.
Association of Southeastern Biologists annual meeting, Memphis, Tennessee,
April 11-14, 1984.

Micromorphological descriptions of selected mite species from Middle Tennessee.
Tennessee Academy of Science annual meeting, Knoxville, Tennessee, November
16-17, 1984.

Micromorphological features of selected phalangid species [Arachnida: Phalangida(Opiliones)].
Association of Southeastern Biologists annual meeting, Murfreesboro, Tennessee,
April 10-13, 1985.

Recovery of *Culicoides* larvae (Diptera: Ceratopogonidae) from natural breeding sites in
Alabama. Southeastern Branch meeting of the Entomological Society of America, Raleigh,
North Carolina, January 25-28, 1988.

- Update of Lyme Disease in Alabama. 8th Annual Public Health Pests Conference, Montgomery, Alabama, March 3, 1988.
- Tick-borne borreliosis (Lyme Disease) in Alabama: human clinical cases. Alabama Academy of Science annual meeting, Auburn, Alabama, March 23-25, 1988.
- Comparative larval morphology of subgenera of the biting midge genus *Culicoides* (Diptera: Ceratopogonidae). National Conference of the Entomological Society of America, Louisville, Kentucky, December 4-8, 1988.
- The larvae of the *Culicoides guttipennis* Group (Diptera: Ceratopogonidae). Southeastern Branch meeting of the Entomological Society of America, Nashville, Tennessee, Jan. 30 - Feb. 2, 1989.
- Comparative morphology of the epipharynxes of North American *Culicoides* larvae (Diptera: Ceratopogonidae). Student Competition, Southeastern Branch meeting of the Entomological Society of America, Orlando, Florida, Feb. 4-8, 1990.
- Field investigations of Lyme disease in Alabama. Alabama Pests and Pesticides Conference, Auburn, Alabama, Feb. 27-28, 1991.
- Field studies on the epizootiology of Lyme disease in Alabama. Southeastern Branch meeting of the Entomological Society of America, Orange Beach, Alabama, March 10-13, 1991.
- The larvae of North American *Culicoides* species: taxonomic implications. Southeastern Branch meeting of the Entomological Society of America, Orange Beach, Alabama, March 10-13, 1991.
- Philip Henry Gosse: an entomologist in frontier Alabama (1838). Tennessee Academy of Science, History of Science Section, Memphis State University, November 19, 1993.
- Philip Henry Gosse in Alabama, 1838. Tennessee Entomological Society Annual Meeting, Nashville, Tennessee, October, 1994.
- A History of Biology Course with a Travel Component. Joint Meeting of the Tennessee and Kentucky Academies of Science, Bowling Green, Kentucky, November, 1995.
- An Endoparasitic Snake? Rutherford County Medicine Meets the X-Files at the turn of the Twentieth Century. Tennessee Academy of Science Annual Meeting, Johnson City, Tennessee, November, 2002.
- Kentuckian Luke Pryor Blackburn's Yellow Fever Plot: 1865. Joint Meeting of the Tennessee Academy of Science and the Tennessee Science Teachers Association in Franklin, Tennessee, November, 2003.
- An Endoparasitic Snake? Rutherford County Medicine Meets the X-Files at the turn of the Twentieth Century. Ohio Valley History Conference Annual Meeting, Tennessee Technological University, Cookeville, Tennessee, October 2004.

British Surgeon John Hunter's Irish Giant Obsession, 1783. Tennessee Academy of Science Annual Meeting, Columbia State Community College, Columbia, Tennessee, November, 2004.

Urban Natural Areas as Living Laboratories for Universities. with Darlene Panvini and Denise Due-Goodwin (Vanderbilt University). 35th Natural Areas Association National Conference, Doubletree Hotel, Nashville, Tennessee, October 15, 2008.

Macroinvertebrate Diversity and Water Quality at a Trout Hatchery Stream Entering the Obey River, Clay County, Tennessee. Presented in the absence of student Andy Wicke at the 13th Symposium on The Natural History of Lower Tennessee and Cumberland River Valleys, Brandon Spring Conference Center, Land Between the Lakes, April 4, 2009.

POSTERS PRESENTED AT PROFESSIONAL MEETINGS/OTHER EVENTS

Comparative morphology of mouthparts of biting midge larvae (Diptera: Ceratopogonidae). Presented with Lawrence J. Hribar at the North American Benthological Society Annual Meeting, Tuscaloosa, Alabama, May 16-20, 1988.

Taxonomic potential of palatal sensilla of biting midge larvae (Diptera: Ceratopogonidae). Presented with Lawrence J. Hribar at the Alabama Academy of Science Annual Meeting, Birmingham, Alabama, March 22-25, 1989.

Arachnids as hosts for parasitic mites. Presented with Gary R. Mullen at the XI International Congress of Arachnology, Turku, Finland, August 7-12, 1989.

Acarine parasites of arachnids. Presented with Gary R. Mullen at the Southeastern Branch meeting of the Entomological Society of America, Orlando, Florida, February 4-8, 1990.

Magical Periodical Cicadas. Part of an exhibit about Brood XIX of the Periodical Cicadas viewed by approximately 2000 Middle Tennessee elementary schoolchildren at the Entomological Society of America's 1997 Insect Expo held on December 18th at Opryland's Delta Convention Center, Nashville.

Magical Periodical Cicadas. A display at the Children's Discovery House during April/May, 1998, Murfreesboro, Tennessee.

PUBLICATIONS (refereed)

Murphree, C. Steven. 1987. Two leaf litter phalangids from Short Mountain, Cannon County, Tennessee. Journal of the Tennessee Academy of Science, 62(4):93-94.

Murphree, C. Steven. 1988. Morphology of the dorsal integument of 10 opilionid species (Arachnida: Opiliones). Journal of Arachnology, 16(2):237-252.

- Murphree, C. Steven and G.R. Mullen. 1991. Comparative larval morphology of the genus *Culicoides* Latreille (Diptera: Ceratopogonidae) in North America with a key to species. Bulletin of the Society for Vector Ecology, 16(2):269-399.
- Hribar, Lawrence J. and C. Steven Murphree. 1987. *Heleidomermis vivipara* Rubtsov (Nematoda: Mermithidae) infecting *Culicoides variipennis* (Coquillett) (Diptera: Ceratopogonidae) in Alabama. Journal of the American Mosquito Control Association, 3(2):332.
- Hribar, L.J., G.R. Mullen, and C.S. Murphree. 1991. Checklist and bibliography of the mosquitoes (Diptera: Culicidae) of Alabama. Journal of the Alabama Academy of Science 62(4): 239-250.
- Shariat, B., Freimund, J.A., Wright, S.M., Murphree, C.S. and J. T. Thomas. 2007. *Borrelia* Infection Rates in Winter Ticks (*Dermacentor albipictus*) Removed from White-Tailed Deer (*Odocoileus virginianus*) in Cheatham County, Tennessee. Journal of the Tennessee Academy of Science 82(3-4).
- Thoms, E., Eger, J., Vargo, E., Riegel, C., Murphree, S. and P. Scherer. 2009. "Bugs, Baits, and Bureaucracy: Completing the first termite bait efficacy trials (quarterly replenishment of noviflumuron) initiated after adoption of Florida Rule, Chapter 5E-2.0311". American Entomologist 55(1) Spring, 2009. [PDF](#)

PUBLICATIONS (non-refereed)

- Murphree, C. Steven. 1984. Scanning electron microscopical study of cuticular features of selected arachnid taxa. Abstract. The ASB Bulletin, 31(2).
- Murphree, C. Steven. 1985. Micromorphological descriptions of selected mite species from Middle Tennessee. Abstract. Journal of the Tennessee Academy of Science, 60(2).
- Murphree, C. Steven. 1985. Micromorphological features of selected phalangid species [Arachnida: Phalangida (Opiliones)]. Abstract. The ASB Bulletin, 32(2).
- Murphree, C. Steven. 1985. A new species of *Nanorchestes* (Acarina: Nanorchestidae) from a Middle Tennessee cedar glade. Cover illustration. The ASB Bulletin, 32(3).
- Mullen, Gary R., Lawrence J. Hribar, and C. Steven Murphree. 1987. Lyme Disease: a new tick-related problem in Alabama. Highlights of Agricultural Research, 30(1), Spring, Alabama Agricultural Experiment Station, Auburn University.
- Murphree, C. Steven and Gary R. Mullen. 1988. Tick-borne borreliosis (Lyme Disease) in Alabama: human clinical cases. Journal of the Alabama Academy of Science, 59(3).
- Murphree, C. Steven. 1992. Radula of the Aquatic Snail, *Campeloma* (Mollusca: Gastropoda) Cover illustration. The ASB Bulletin, 39(3).

Mullen, Gary R. and C. Steven Murphree. 2001. Philip Henry Gosse (1810-1888). Highlights: The Art of Science, Auburn University Libraries. 10 pp.

FUNDED GRANT PROPOSALS

“Conducting Floristic/Faunal Inventories to Promote the Enhancement and Educational Use of the Nissan North America (NNA) Corporate Headquarters Wetland and Adjacent Stream, Williamson County, Tennessee.” With Darlene Panvini and John Niedzwiecki to Nissan North America (September, 2009). (Amount Funded: \$1640.55).

“Community Engagement in the Sciences.” With Darlene Panvini, Kim Daus, Andy Miller and Linda Jones to the Belmont University Teaching Center (September, 2010). (Amount Funded: \$325.00).

PERSONAL INFORMATION

Age: 54

Marital Status: Married, four children (11/20/89; 11/10/91; 05/02/95; 03/05/99)

Wife's name: Lisa Kay (Fannin) Murphree

Wife's occupation: Nursing Instructor, Middle Tennessee State University

Religious Affiliation: Southern Baptist