

EDUCATION

1993 Ph.D. Entomology (Forestry), University of Wisconsin, College of Agriculture and Life Sciences, Madison, WI (UW-Madison)

1986 M.S. Silviculture and Forest Influences (Entomology and Soils), State University of New York – College of Environmental Science and Forestry, Syracuse, NY (SUNY-ESF-Syracuse)

1982 B.S. Forestry SUNY-ESF-Syracuse

PROFESSIONAL EXPERIENCE – In Brief, Detail of Activities Following

Since 2012 Dean, Director WV Agriculture and Forestry Experiment Station, and Professor, Davis College of Agriculture, Natural Resources and Design (<http://www.davis.wvu.edu/>), West Virginia University, Morgantown WV (WVU).

- Development of new Agricultural Sciences Building, \$100MM project, and other infrastructure projects (greenhouse, master-planning for redevelopment of buildings, equine facilities)
- Reorganized college academic programs and farm management system, added many new academic, field and Extension programs
- Record/innovative fundraising, enrollment, retention and communication approaches
- Developing new public-private partnership to attract new capital to college facilities
- Hired more than 75 new people – administrators, faculty and staff
- Brought new emphasis on economic development activities, valued-added experiences for undergraduates, and team science
- Managed significant declines in state budget support while growing college enterprises and entrepreneurial activities

1997-2012 **NC State, College of Natural Resources (<https://cnr.ncsu.edu/>)**, Department of Forestry and Environmental Resources; 2009-2012 as Associate Dean for Research and Professor; 2006-2009 as Assistant Dean for Program Development, Leadership Fellow with ACE and Associate Professor/Professor; 2004-2006 as Acting/Interim Associate Dean for Research and Extension, and Associate Professor; and 1997-2004 as Assistant/Associate Professor, and Director – Hardwood Research Cooperative

- Brought added-value thinking and activities to the Associate Dean for Research (and Extension) office, including significant international focus, including joint effort with University Pretoria, SA
- Created the Norman Borlaug Lecture and Award for Service to Society and Environment, jointly with NC State College of Agriculture and Life Sciences
- Co-Chair NC State Chancellor's International Planning Committee
- Diversity initiative with University of Puerto Rico for student exchanges with USFS funding
- Lead/co-Lead for NC Military Lands (Conservation) Program, USDOJ Climate Science Center, Strengthening Afghan Universities, Forestry Education in Israel project, Director (regional) Hardwood Research Cooperative, other
- Initiated Six Sigma Lean Office analysis to college business practices

1993-1997 Senior Research Scientist (Faculty of Forestry) and Director – Biomass Research Program (a regional partnership; The Salix Consortium, won \$13MM DOE grant), Visiting Assistant Professor (Faculty of Environmental and Forest Biology), and Faculty of Forestry International Coordinator, SUNY ESF-Syracuse

1991-1993 Consultant/Volunteer, Abidjan, Cote d'Ivoire, work with West African Rice Development Assoc., African Development Bank – Environmental & Social Policy Division (team work on Country Environmental Profiles for Cote-d'Ivoire, Kenya, The Gambia, and Zimbabwe), US Peace Corps (trainer on soil conservation), and USAID (evaluator of West Africa forestry sector paper).

1987-1991 Graduate Research Assistant (Ph.D. student), Thesis: Feeding Ecology of the Forest Tent Caterpillar on Hybrid Poplar Clones, Department of Entomology, UW-Madison

1987 (2 mo) Visiting Forest Entomologist, Studies of the pine bast scale, and field surveys, Volcani Center – Institute for Plant Protection, Department of Entomology, Bet Dagan, Israel

1985-1987 Faculty Research Assistant/Technical Specialist (forestry), Hybrid poplar plantation project, SUNY-ESF-Syracuse

1986 (2 mo) Forestry consultant, Tree pests and management, to United Nations – Food and Agricultural Organization at Burma Forest Research Institute, Yezin, Myanmar

1982-1987 Graduate Research Assistant (M.S. student), Thesis: Spruce Budworm Responses to Silvicultural and Site Treatments in Black Spruce in Northern Maine, Faculty of Forestry, SUNY-ESF-Syracuse

Other work SUNY-ESF forest/laboratory/teaching assistant; lumber mill, commercial greenhouse, and dairy farm worker; US Army ROTC Cadet; USDA - Soil Conservationist Trainee

PROFESSIONAL DEVELOPMENT

2016-2017 Senn Delaney (Heidrick & Struggles) executive organizational culture training, with senior leadership of WVU (<http://www.senndelaney.com/Default.aspx>)

2010-2011 Equal Opportunity Institute (60 hours of training), Office of Equal Opportunity and Center for Student Leadership, Ethics and Public Service, North Carolina State University, Raleigh, NC (NC State) (<https://oied.ncsu.edu/eoi/>)

2007-2008 ACE Leadership Fellow (full time, 1 year), American Council on Education (ACE), host institutions/work -- fall semester at University of Alaska-Fairbanks (Chancellor's Office), spring semester at East Carolina University (Chancellor, Provost and VC Research Offices), and occasional with leadership from Columbia University-Earth Institute (Agriculture and Food Security Center) (<http://www.acenet.edu/leadership/programs/Pages/ACE-Fellows-Program.aspx>). At East Carolina University, authored report for Chancellor on "Next Generation Shared-Governance for ECU," and sustained participation on the ECU "response team" to the University of North Carolina (UNC system) General Administration request for UNC campus strategic responses to the system's "UNC Tomorrow" report - responses were to capture institutional program, service and resource aspirations for the coming years in significant system-wide comprehensive planning exercise. At University of Alaska participated in development of materials for University of the Arctic (an international collaboration), and understanding connections of main campus with branch/remote campuses in system. With Columbia University Earth Institute focused on understanding international development initiatives, and functioning of quasi-independent research centers.

2003-2004 Natural Resources Leadership Institute (collaborative problem solving/conflict resolution/management), NC State (<https://www.ncsu.edu/nrli/>)

1991-1992 French language training, American Business School, Ltd., Abidjan, Cote d'Ivoire

HONORS

- Volunteer Service Award, NC Department of Cultural Resources/State Employees Combined Campaign, 2010
- Outstanding Teaching Award (College and University level recognitions), NC State, 2008
- President's Award for Public Service, SUNY ESF-Syracuse, 1996
- Member, Sigma Xi, The Scientific Research Society, 1989
- Outstanding Graduate Student, Wisconsin Arborist Association, 1989
- Henry Leuce Scholar Nominee for State University of New York system, 1987

DETAIL OF MAJOR ACCOMPLISHMENTS AT WVU

Since 2012 Dean, Director WV Agriculture and Forestry Experiment Station, and Professor, Davis College of Agriculture, Natural Resources and Design (<http://www.davis.wvu.edu/>), West Virginia University, Morgantown WV (WVU).

Context

West Virginia University is a comprehensive, Research I and highly engaged Land Grant institution (est. 1867) with current enrollment of ca. 32,000, ca. 50% women and 55% out-of-state students in a 3 campus system (Morgantown being the main campus with 95% of all students), doing about \$175MM in research, with a full academic medical center, and Extension Service in all 55 counties.

The WVU – Davis College of Agriculture, Natural Resources and Design consists of ca. 2000 undergraduate and 300 graduate students, 148 faculty, and 119 staff. The WVU Extension Service is administratively separate from the College, but very closely aligned and engaged, with many joint projects (several \$millions), events and shared faculty, staff and students. The College, each year, has state/federal appropriations of about \$15MM (State academic, Hatch, McIntire-Stennis, F&A, and Cooperative Extension), \$15MM in research/outreach expenses on about 200 active projects, intellectual property, fundraising of ca. \$2MM, and receipts from agriculture and timber sales of \$1MM, 7 farms (3600 acres total; beef, sheep, dairy, equine, agronomy, forage, tree fruit, organic, CSA, riparian/wetlands, agro-tourism), and 5 forests (9,000 acres; timber, preserve, recreation, sugarbush, wildlife, riparian/wetlands) - across three constituent schools and five academic divisions (departments) offering 27 undergraduate and multiple graduate degrees.

- 1) The School of Agriculture and Food; consisting of the Division of Animal and Nutritional Sciences, and Division of Plant and Soil Sciences

Agro-ecology/Agronomy, Animal Science, Applied and Environmental Microbiology, Biochemistry, Entomology/Plant Pathology, Environmental, Soil and Water Science, Davis-Michael Pre-Veterinary Scholars, Genetics and Developmental Biology, Horticulture, Human Nutrition and Foods, Dietetics, Reproductive Physiology, Physiology and Biotechnology (in process)

- 2) The School of Natural Resources; consisting of the Division of Forestry and Natural Resources, and the Division of Resource Economics and Management

Forest Resources, Energy Land Management, Recreation, Parks and Tourism, Wildlife and Fisheries, Wood Science and Technology, Agri-Business, Agricultural, Environmental and Natural Resource Economics, Environmental and Energy Resources Management, Energy Environments (in process), Adventure Recreation and Leadership (in process)

- 3) The School of Design and Community Development

Landscape Architecture, Design Studies, Interior Design, Fashion, Dress and Merchandising, Agricultural and Extension Education, Human and Community Development, Community and Environmental Planning (in process)

Among many individual research and outreach projects across the college, the following are the major groups of research initiatives –

- Appalachian Hardwood Center and Hardwood Research Trust
- Renewable Materials and Bioenergy Research Center
- Cooperative Fish and Wildlife Research Unit (USGS)
- Geospatial Research Unit (NRCS sponsored)
- Landscape Architecture and Community Planning outreach
- Conservation Partnership (with NRCS)
- International Culture Collection of Arbuscular and VA Mycorrhizal Fungi (NSF sponsored)
- Natural Resources Analysis Center
- Organic Research Farm
- Rumen Fermentation Profiling Laboratory
- Soil Test Laboratory
- Bull and Ram Test and Sale
- WV Small Ruminant Project
- WVU Natural History Museum, and Insect Zoo
- Embedded employees from US Fish and Wildlife Service, National Park Service, US Forest Service, WV Division of Wildlife and Fisheries

Infrastructure and Facilities Accomplishments at WVU

- Opened new Agricultural Sciences Building (engaged from design to completion), ca. \$100MM, 2016.
- Opened new state-of-the-art greenhouse facility, ca. \$9MM, 2012, and related outdoor gardens/orchards, with \$3MM partnership with US Forest Service.
- Prior to opening new Agricultural Sciences Building in 2016, maintained adequate use of aged former Agr Sci Bldg (now demolished, new quadrangle being developed).
- Redeveloped exterior and initiated addition of South Agriculture Sciences Building, ca. \$4MM, 2015.
- Initiated master-planning design, and fund raising efforts for addition/renovation Agriculture Annex Building (from 20K to 40k sq ft) to house the college's School of Design and Community Development, and to renovate Percival Hall for the college's Division of Forestry and Natural Resources (50K sq ft), anticipated ca. 40MM effort, begun 2016.
- Opened shared research facility for gas/liquid chromatography and spectroscopy, in collaboration with WVU Health Science Center.
- Negotiated new approach to use of the Food Animal Research Facility surgical units for WVU Health Sciences Center to be lead tenant, 2014.
- Awarded \$6.7MM from HR McQuain Charitable Trust to redevelop Equine Science and Management Center on the Ruby (formerly Reedsville) Farm, 2015; construction underway for new arena, education/living center, multi-use barn, outdoor areas, and new proposal being developed to secure Phase II funding for new teaching barn, ca. \$3MM.
- Re-energized management of forest properties, including annual mtg with stakeholders, fuller use of Westvaco Natural Resources Center on University Forest, 2016 continuing.

- Negotiated joint use of forest property by Division of Student Affairs - AdventureWV leadership, ropes and confidence courses, and infrastructure development including overnight accommodations, 2013 continuing.

Personnel and Organizational Initiatives at WVU

- Expanded college's Academic Affairs office to add capacity in retention/student success, recruiting, and value-added programming, including additional traveling recruiter and success coach.
- Reorganized college's Development, Alumni Relations, Events, Communications, and Marketing, into a single unified Office of Advancement under an Assistant Dean, added personnel in traveling development person, writer, and events.
- Reorganized College academic units from 5 independent units into 3 integrated schools, and promoting cultural shift to include more multi/trans-disciplinary effort in teaching, research and service missions.
- Hired 5 new academic unit leaders (=Division/School directors), and 4 new associate/assistant deans (Advancement, Research, Programs, Academics)
- Hired 28 natural science faculty.
- Hired 13 social science faculty.
- Hired 10 design faculty.
- Hired 13 office and administrative staff support personnel.
- Hired 9 farm full-time staff personnel.
- Reorganized College Farm (7) Administration and Operations into an integrated system for planning, budget, operations, animal care/use, expansion of research capacities.
- Increased start-up funding for new faculty, including Design faculty, from a maximum of about \$100K per person to current new record of \$325K per person (total of ca. \$1MM per year from provost's office).
- Hired college/experiment station statistician, new farm management staff (3), and anticipate hiring college environmental management specialist, GIS specialist, and print specialist in 2017-2018.

Budget and Fiscal at WVU

- Total college annual budget ca. \$30MM; have continued to grow and expand activities despite accommodating significant budgetary losses, as follows -
 - Lost ca. \$120K per year from McIntire –Stennis when redirected to 1890 Land Grant in WV.
 - Lost ca. \$400K in annual college operating from legislative cancellation of special line item support of college (farm maintenance, veterinarian position, landscape architect for outreach, small ruminants' projects, other).
 - Lost ca. \$2MM in annual college operating from central university funds given state budget reductions to university and other fiscal challenges.
- Weathered loss of special federal grants and other funding trends from external sources and yet continued to grow the research and service enterprises of the college and partners.

- Federal capacity funds (Hatch, McIntire-Stennis, Multi-State Hatch, Animal Health) total ca. \$4mm per year – steady.
- Total other external grants and contracts (principle sources USDA, USDOE, USDOJ, NSF/NIH, State agencies) total from \$6MM to \$12MM per year since 2012, totals down in 2016, but anticipate recovery in 2017 and beyond given new initiatives (see elsewhere in this c.v.) and new faculty efforts.
- Development/fundraising efforts highly successful, generate ca. \$230K in annual giving each year, and ca. \$2MM in other gifts. Achieved university goal of \$24MM for college fundraising 2 years ahead of schedule (first college to do so) as part of its \$1B capital campaign (ending 2017), and the college will end campaign more than 120% of goal, and continuing. College currently has \$29MM endowment, and provides more than \$400K in scholarships each year. In all categories of giving have increased the number of participants and prospects (e.g., from 120 annual gift donors in 2010, to 700 annual donors in 2017).

Administrative and Student Initiatives at WVU

- Teach WVUe191, WVU Freshman Seminar and Introduction to the Davis College (1 credit), 2017, ca. 100 students.
- Integrated and sought efficiencies between Office of Advancement and Office of Academic Affairs for multiple purposes in communications, marketing, events, student recruitment and development, since 2013.
- Publish twice-year color/glossy college magazine (up from 1 per year in 2011) (<http://www.davis.wvu.edu/about-davis-college/davis-magazine>), initiated weekly deans-e-news, expanded use of social media, many other communication activities.
- Publishing coffee-table book to celebrate college's (and university's) 150th anniversary, and many associated events during the year-long celebration, 2017.
- Redeveloped and launched new college website to better attract students and serve primary users, 2016.
- Multiple efforts/programs aimed at issues and opportunities related to diversity, civility, gender, veterans; including establishment of a veterans gathering room and VISTA coordinator, multiple diversity/civility listening sessions throughout the year, panel discussions, hiring efforts, climate and consciousness raising, training requirements and opportunities.
- Continual emphasis on safety, and related compliance and training, including laboratory safety, power tools/farm safety, animal care and use and human subjects, safe-workplace.
- Initiated more aggressive approach to international engagement, including part-time hire of China expert, and advancing activities worldwide in recruiting of students, exchanges and scientific cooperation.
- Sustained emphasis on nominating college faculty and students for significant local and national awards, with regular success.
- Initiating Davis-Michael (endowment funds) Sustainability Scholars Program to recruit excellent freshman into all academic units across the college, in an annual cohort of 12-16 students, that will advance each year as a cadre receiving value-added opportunities, and providing service back to the college, ca. \$50K expenses per year, 2017.

- Launched college's Young Innovators Program with funding from CW Benedum Foundation and Farm Credit Bank of the Virginias, ca. \$250K, to enable cohorts of students to learn and engage in a wide variety of entrepreneurial and design efforts, including competing in annual Business Plan Competitions, 2014-2018. This model has become integrated in university-wide innovators effort, and the college's entrepreneurship laboratory (est. 2013) helped lead the way to the university-wide Launch Lab for the same.
- Developed the Myles Family Forestry Initiative for undergraduates to participate in unique value-added activities while undergraduates (\$250K endowment); Linda Butler Organic Farm Internships (\$125K cask for 5 years), Coffindaffer Animal Science Farm Internships (\$100K endowment), Tschiderer Landscape Architecture Student Support Program (\$200K endowment), Nath Graduate Student Travel Fund in Agriculture Science (\$25K endowment), many others closed and in process.
- Initiated annual college Scholarship and Stewardship Banquet, and expanded college Honors Convocation, to better link recognitions with further development opportunities.
- Launched college Thank-A-Thon for donors, Alumni Football Tailgates, College/Extension reception at Annual Poultry Festival, ramped-up State Fair exhibits and displays (including dairy cows), conducted Legislative reception in state capital during session, others – all new since 2012.
- Developed college based 3+3 curriculum with WVU College of Law, exploring same with other WVU colleges.
- Launched and expanded inter-collegiate undergraduate Biochemistry degree, 2012, between college and the WVU Eberly College of Arts and Sciences, requiring new academic and administrative/fiscal coordination, first and only such successful effort on campus.
- Have developed new curricula including,
 - Inter-collegiate Biochemistry (BS),
 - Environmental, Soil and Water Sciences (BS; adapted from former Environmental Protection degree),
 - Energy Land Management (BS)
 - Environmental and Energy Resources Management (BS)
 - Revamped all majors in the Division (=Dept) of Plant and Soil Science, such as agro-ecology, microbiology, horticulture, etc.
 - In process for approval, new degrees in Genetics and Developmental Biology (BS), Environmental and Community Planning (BS), and Energy Environments (MS/PSM).
 - Planning for new degrees in Youth Leadership and Outreach, and consideration for new degrees in International Food Science, Natural Resources Management, and Veterinary Science and Technology.
- Developed new initiatives and incentives to promote online and summer off-campus entrepreneurial teaching, since 2016 have added 9 new online courses, including a graduate certificate in GIS, increasing revenues returned to the college.
- Seeking to employ an undergraduate value-added learning coordinator, to help administer the increasing portfolio of opportunities and gifts the college has, and in pursuit of the goal where every undergraduate (perhaps graduate student too) in the college has access at least once to ca. \$1K for any form of value-added activity (study abroad, research, service –learning and community engagement, language study, attend special meetings, etc.).
- Have fostered and maintained global links and opportunities for faculty and student travel and study, and return visits to WVU by students and scholars from abroad. New capacity at the

university level to serve international/global activities has prompted an upcoming effort in the college to be more engaged and proactive, and to further the links and recruiting efforts already underway in Brazil, Paraguay, Estonia, Italy, China, South Korea, Viet Nam, and others.

- Annually award ca. \$400K in grants and scholarships to undergraduate and graduate students.
- Total undergraduate enrollment in the college is ca. 2000 students, up 20% since 2011, first time freshman retention to sophomore year has improved from 62% to 72% since 2012 with a goal of achieving 80% in the college and supporting 90% retention university-wide, within a few years.

Research and Service Initiatives at WVU

- External review (2016) of Reymann Memorial Farm (1000 ac, Wardensville, WV) to assess best uses and ways to synergize a Chesapeake Bay Watershed location and home to beef cattle genetic testing and feed efficiency platform (and annual Bull Sale); led to new initiative with USDA NRCS to develop a national center of excellence on the relationship between feed efficiency in cattle production and environmental quality, and further investments/gifts from Grow-Safe Technologies, 2017.
- Initiated with WVU Eberly College of Arts and Sciences, and University Facilities Administration, the Falling Run (creek) Trail Project to link downtown campus to farm campus via hiking/biking trails in wooded connector corridor, using college faculty for design, training and interpretive efforts, and engaging thousands of students as part of their service requirements and interests (especially during freshman Welcome Week), \$140K investment from central university, since 2014.
- Initiated several new efforts to more deliberately link college capacities and service mission to state economic development – all continuing, began 2016 -
 - Appalachian GeoPark initiative to bring the international network of GeoParks to a three county area in southeast WV, in collaboration with US Geological Survey and WV Department of Commerce, active progress, led by Robert Burns.
 - Value-Added Wood Products Manufacturing Roundtable to bring together leaders from across the WV forestry and wood products sector to brainstorm and network on characteristics that hold back the expansion of wood products manufacturing in WV (which is ca. 85% forested, 3rd highest % in the nation).
 - Dairy Products Initiative to help WV Department of Agriculture and WV Department of Commerce to make known WV's capacities to host dairy manufacturing along its highway corridors (Rts 77 and 81) from the Mid-West and Northeast dairy farm rich regions, to the Southeast where consumer markets are expanding but dairy production is lagging.
 - K-12 School Revitalization Initiative through the college's Agriculture Education and Extension programs/curricula, and WVU Extension 4H and Youth programs, as inspired and with cooperation from the Roscoe, TX ISD, and with support from TAMU and TexasTech Agriculture Education and Extension programs; capturing the success of Roscoe TX in a K-12 single campus to change student expectations (beginning in 3rd grade), engage students in multiple value-added programming opportunities, and enable all high school students to complete an in-school Early College High School and graduate with an Associate's degree and/or 2 yrs of college credit (ca. 90% success among graduates to date); WV developing connections and partnerships to enable the Boone County – Van Schools to adapt and deploy this model.

- Pursued interest with Governor's Office, WV National Guard, and WV Treasurers Office in an initiative to develop WV Lands for Military Readiness, Training and Conservation; effort eclipsed by ongoing work by the WVNG; as inspired by the Military Lands and Sentinel Lands projects through NC State and TAMU.
- Academic and Applied Conservation initiative via broad partnerships with USDA Natural Resources Conservation Service, WV Department of Agriculture, WV Conservation Agency, WV Division of Natural Resources, WV Division of Forestry, WV Department of Environmental Protection, and others; to engage agencies with college faculty and students to accomplish innovative conservation activities and research, including significant projects related to stream restoration/mitigation (ca. \$2MM), Chesapeake Bay related (\$750K), testing long-term efficacy of BMPs (ca. \$1MM), projects related to livestock and water quality specifically (ca. \$300K), all since 2015.
- Redeveloping and expanding equine facilities (new barn, multi-purpose and education buildings, developed pastures, fencing, gateway and signage), in cooperation with WVU Extension, at the JW Ruby Research Farm, Reedsville, WV, via a gift from the Hazel Ruby McQuain Charitable Trust, Phase I ca. \$7MM to be completed 2018, Phase II ca. \$3MM proposal under consideration.
- Installation of new research feed mill on Stewartstown Road Farm, Morgantown, WV, ca. \$350K in gifts (equipment and engineering/installation), and \$100K in operating, expected opening 2017.
- Launching major new initiatives to develop Public-Private Partnerships for revitalization and investments in facilities and embrace of new forms of sponsorship.
 - Private investor capital to revitalize college Aqua-culture/Trout facility to develop a private business model for the investor and new teaching, research, demonstration and student employment opportunities for faculty and students, ca. \$5MM investment anticipated.
 - Private investor capital to construct a cheese/custard creamery on college farm, and convert an old farm house on college farm into an agriculture products store and environmental education center, to produce products for sale, and opportunities for faculty and students, ca. \$5MM investment anticipated.
 - Private investor capital to reconfigure college's Kearneysville Tree Fruit Research Farm into the WVU Agro-Tourism and Hospitality Learning Center, with continuing capacity in horticultural science and demonstration, but also many new opportunities for faculty and students in areas such as farm-to-table, events and restaurant, tourist cabins and B&B, food technology and processing/preparation, business management, conservation and agriculture and environmental education, and in conjunction WVU College of Business and Economics, and with WVU Hospitals an out-patient wellness and rehabilitation facility, and in conjunction with WVU Provost's Office a dormitory and facility as gateway to Washington, DC (45 minutes away by commuter rail), ca. \$20MM investment modeled.
- Initiated food-as-medicine study interest across academic units, initiating food desserts roundtable with USDA NRCS and WV Department of Agriculture, 2017.
- Developing University Farm Woodlot into learning center for Recreation, Parks and Tourism program, as soon as deep mine/high wall restoration complete, 2016 and continuing.

DETAIL OF MAJOR ACCOMPLISHMENTS AT NC STATE

1997-2012 **NC State, College of Natural Resources** (<https://cnr.ncsu.edu/>), Department of Forestry and Environmental Resources

2009-2012 Associate Dean for Research (including international and partnerships), and Professor of Forestry and Natural Resources

2006-2009 Assistant Dean for Program Development, Leadership Fellow with ACE (mostly off-site 2007-2008), and Associate Professor/Professor

2004-2006 Acting/Interim Associate Dean for Research and Extension, and Associate Professor

1997-2004 Assistant/Associate Professor, and Director – Hardwood Research Cooperative (a collaborative across 13 Southern states and 12-16 public and private organizations), full member graduate faculty beginning 1998, associate faculty Department of Entomology beginning 1997, adjunct faculty SUNY-ESF-Syracuse 1997-2007

Context

The NC State College of Natural Resources consisted of ca. 1300 undergraduate and 450 graduate students, 175 teaching/research/extension faculty, 30 administrative staff, and annual state/federal appropriations of about \$11 million (State academic, ARS, McIntire-Stennis, F&A, and Cooperative Extension), \$15 million in research/outreach expenses on about 200 active projects, intellectual property, an endowment of \$20 million, and receipts from timber sales of 1.5-3 million annually - across the departments of, 1) Forestry and Environmental Resources, 2) Parks, Recreation and Tourism Management, and 3) Forest Biomaterials and Engineering.

Infrastructure and Facilities Accomplishments at NC State

- Facilitated Hope Valley Forest sale (\$3.4MM) to Wildlife Resources Commission, to make investments in Hill Demonstration and Research Forest
- Facilitated purchase of Windy Woods property, Bull Neck Swamp hunting lease, Hill and Schenck Forest logging issues, budgeting and construction of new GMO greenhouse on Centennial Campus (\$450K), US Marine Corps interest in Hofmann Forest and related, multi-college demolition of defunct Mt Gibbes research infrastructure
- Reestablished federal surplus property acquisition system and inventory management
- Facilitated acquisition of space in NC State Flex Building for joint occupancy inter-collegiate bioenergy research team, MOU for joint management of bioenergy activities at the CALS Lake Wheeler Road Farm–Animal and Poultry Waster Management Center, research access on Parrish property, design and construction of picnic area between Jordan and Biltmore Halls
- Developed CNR Scholarship wall display

Course/Curricular Development at NC State

- Course approach for FOR150 Critical Thinking (2005) as part of a 4-part professional development series for Forest Management majors.
- Led discussions on creating a 3 to 4 credit course on forest pest management as replacement for existing 3 credits courses in forest entomology and forest pathology (2002) –delayed decision
- Designed course approach for summer program for Natural Resource majors, ending with faculty approval of internship program bracketed by academic year classes NR301 and NR401 (2000)
- Redesigned FOR252 Introduction to Forest Science and Mgmt. (2002), and redesigned, then merged FOR110 Introduction to Forestry (2000) and NR100 Introduction to Natural Resources (1998)
- Develop with colleagues at NC State, US Forest Service and University of Puerto Rico a new means of encouraging and shepherding students from minority-serving institution undergraduate to graduate programs and then into professional service. Received ca. \$30K funding from USFS Southern Research Station to develop a joint summer tour between CNR and UPR, and through discussions with the USFS Office of Civil Rights \$74K to sponsor several graduate students at NC State from UPR, but with faculty from UPR on their graduate committees, and research projects either in PR or related to issues there –all in an effort to build sustained relationships between the institutions and their faculty, 2010-2012.
- Member of NC State General Education Requirement Task Force to redesign University requirements (2005-2007), and representative of the College to the NC State Council on Undergraduate Education (oversight of General Education requirement course offerings).
- Discussions with leadership from the NC State College of Humanities and Social Sciences writing program about “writing across the curriculum” and with Office of International Affairs about integrating study abroad with teaching.
- Member of Hewlett Campus Challenge Team for enhancement of the Natural Resources curriculum - curriculum revision and outcomes assessments (2000 to 2003)
- Program Coordinator (1995-2002) for "Visiting Lecturer in Forestry Program" at graduate school of the Faculty of Agriculture of the Hebrew University of Jerusalem, Israel (joint project of U.S. Forest Service, Israel Forest Dept., Hebrew University, and several U.S. universities). Placed four lecturers (recruited others, internationally), wrote an invited/special proposal to USDA Forest Service and Israel Land Development Administration for "Enhanced Forestry Education in Israel" (2000) - proposal approach endorsed, but program curtailed before implementation. This early work in distance education was supported by substantial in-kind funding from the partnership organizations.
- Publication of a commentary in the Journal of Forestry (Robison, D.J. 2005. Teaching Borlaug –Or Valuing the Expertise of Breadth (Perspective). J. For. 103:423-424) about the nature and purpose of forestry education; received positive and influential reception.
- Mentor to Heather M. Earp, Environmental Science teacher and Envirothon sponsor at West Johnston High School, Kenan Fellows Program for Curriculum and Leadership Development, on “Sustainable Forestry: Exploring Biotech Trees for Forest Health and Bioenergy” with Institute of Forest Biotechnology, College extension, 2009-2011.
- Participated as Associate Dean for Research in the external Graduate Program Review for Dept. of Forestry and Environmental Resources, Fall 2009 and Spring 2010.

- Represented College at discussions in College of Management on a sustainability (supply chain) initiative (2011), and in College of Agriculture and Life Sciences on consideration of an Institute for Sustainability (2010)
- Participated in various campus-wide meetings on development of the Environmental Sciences undergraduate program at NC State, 2009-2010
- Participated as internal reviewer on NC State Graduate School team to evaluate the Masters of International Studies(MIS) program in College of Humanities and Social Sciences, November 17-19, 2010, and presented MIS program review to Provost, and other senior leadership
- Completed final close-out of the curtailed College Graduate Research Certificate Program, including review of all records and issuance of final certificate documents
- Participant in NC State sessions on Investigating Different Ways of Understanding, Teaching Techniques, Guided Discussions, Teaching Large Classes, New Faculty Seminar Series, Developing Study Abroad Programs, and end-of-semester "focus group evaluations.

International Administrative Leadership at NC State

- Co-Chair (with M Giancola) of university-wide strategic planning for international affairs, 2010-2012.
- MacArthur Foundation RFP for development of collaborative for creation of "Masters of Development Practice" (MDP) programs. Actual proposal developed without Robison, but de-facto co-PI. Proposal successful for collaborative with University of East Anglia, and TERI University in India. Provided continual CNR input to this process, and brought CNR faculty into effort to deliver lectures/modules on Science, Technology and Society to first class of MDP students at TERI University, New Delhi, in spring 2011.
- On team that conceived and created NC State-University of Pretoria (UP) Sub-Agreement Memorandum for Research Collaboration, and UP-NC State Inter-Institutional Seed Grants Program to Enhance Research and Programmatic Collaborations (http://www.ncsu.edu/oia/UP_NCState_Connection.html), \$40,000 available, managed review panels for NC State, awarded four grants for 2010-2011 year, and 6 in 2011-2012. Led discussions in summer 2011 with UP colleague, P. Chirwa, to significantly expand the UP-NC State relation to develop the linkage into a strategic global partnership.
- Worked on small team to develop, "Prospectus to develop an International Center of Excellence in Chile," as part of government of Chile "Centres of Excellence" program as invited by University of Concepcion (J Baeza, S Valenzeula). The focus would be plant biotechnology, probably emphasizing plant fibers for biofuels, but also other advanced biological products from plant materials, anticipated maximum funding of \$48 million over a 10-year period, Chilean government to provide up to \$19.5 million over a 10-year period for the establishment and support of each center. Effort curtailed after Chilean elections and earthquake.
- Administrative activity/planning/hosting with University of Pretoria South Africa, University of Surrey (UK), NC State's Prague Institute, University of Sao Paulo, University of Rome, Southern Swedish Forest Research Centre, Zhejiang University (ZU) China, Nanjing Forestry University, Beijing Forestry Institute, Chinese Academy of Forestry, Korea Forest Research Institute, Southern Cross University Australia, India Forest Research Institute (and at SUNY-ESF), Burma Forest Research Institute (at SUNY-ESF), Israel Forest Department and Faculty of Agriculture of Hebrew University-

Israel (and at SUNY-ESF), National Taiwan University, University de Concepcion (Chile), CGIAR Center for International Forestry Research, CGIAR World Agroforestry Center (D Garrity), Conservation International (K Alger), University of Pretoria (M Wingfield, P Chirwa) and SAFCOL/KLF forestry companies, Oak Ridge National Laboratory, National Agricultural University of Honduras, KN University of Science and Technology Kumasi Ghana, World Agroforestry Center Kenya, NC National Guard – Botswana connection, with RTI and Rutgers for US AID project in Liberia, with Cornell University international and agricultural programs to evaluate NC State competing for the follow-on USAID funds for work on international agric/NR biotechnology development, with Purdue University for Afghan Agricultural University Faculty Strengthening (AAUFS) for US Agency for International Development, USAID Haiti.

- Led effort through Office of International Affairs and International Operations Council (OIA and IOC) with B Koehler from College of Engineering and Vice Provost Li to establish annual NC State Award for International Engagement, beginning in 2010, culminating in first awardees being recognized April 26, 2011.
- Led effort through OIA/IOC with B Koehler from College of Engineering and Vice Provost Li to develop a regular schedule of campus-wide international receptions, focusing on specific world regions. CNR co-hosted with OIA a reception on Africa in January 2012.

Research and Service Initiatives at NC State

- Director - NC State Hardwood Research Cooperative – South-wide (13 states) collaborative of forest industries and state forestry agency members, annual budget from members of ca. \$250K, with equal or more budget of in-kind contributions from members. Work efforts associated with enhancing sustainability and productivity of natural and planted hardwoods. Conducted annual technical and field meetings, published annual report magazine, cooperative research partnership with members, staff of 2-6 employees, plus multiple graduate students and undergraduates; major regional profile. 1997-2004.
- Leadership and Management of College Research (and Related) Enterprise to manage IP/invention disclosures with NC State Office of Technology Transfer, and on team to rewrite the NC State Patent and Tangible Research Policy.
- Assist with Commodity group funding from NC Christmas Tree Association; Secured annual gift to College from Moncure Plywood Company; Secured annual contracted services approach for funding student research by the NC Trappers Association; Assisted with initial planning and development for 1st CNR Golf tournament, 2010; Developed Prospectus for Friends of CNR Board of Visitors (not pursued).
- Manage F&A (indirect, overhead) returns to College from Vice Chancellor, including allocations to departments, carry forward, and use by Research Office for operations; Approve staff participation (3 full-time employees) in NC State Research Support Council, State of NC Research Administration Conferences, on-campus training for Research Office staff, and attendance at national/regional meetings to stay current on university research-business enterprises.
- Work with colleagues to secure assignment/relocation of two USFS scientists to NC State College of Natural Resources for development of new USFS research project, scientists to function like faculty within department; Work with colleagues to build relations with the NC Museum of Natural Sciences

- Nature Research Center, and to develop new joint-faculty position in the area of Biodiversity/Geospatial Science and Outreach; lead host for key/senior staff from, e.g., USFS Southern Research Station, NC Wildlife Resources Commission, NC Dept. of Environmental and Natural Resources, U.S. EPA office in RTP, Wildlife Habitat Council; organized NC Legislative and decision-maker briefing: 2008 on Biomass-Bioenergy Issues (presenter as well), 2009 on Carbon Issues.
- Initiated College adoption of “Lean Office” approach (2010) for internally assessing College and Department practices in business operations (travel, purchasing, HR) to achieve greater efficiencies and work satisfaction among staff and across the administration-staff-faculty interface. Contracted with NC State Industrial Extension Service to provide training and facilitation of the process. This mechanism for business process assessment since adopted across campus by other units, including senior University officers.
- Conceived of and lead the joint College of Natural Resources and College of Agriculture and Life Sciences annual “Nobel Laureate Dr. Norman E. Borlaug Distinguished Lecture on Global Service to Society and Environment” and the associated University-wide “Award for Global Service to Society and Environment.” This program operates with an annual joint college budget of up to \$9000. Honorees to date are, 1) Nobel Peace Laureate Norman Borlaug – Sasakawa Africa Association and Chris Dowsell – Sasakawa Africa Association and UN Millennium Development Project (2005), 2) MacArthur Fellow and World Food Prize Laureate Pedro Sanchez – Columbia University’s Earth Institute (2006), 3) Tyler Prize recipient Thomas Lovejoy – President, The Heinz Center (2007), 4) M. Peter McPherson – President APLU and former President Mich State U, Dow Jones, and USAID Administrator (2008), 5) green engineering and chemistry innovator Paul Anastas Assistant Administrator for Science U.S. EPA (2010), and 6) Julio Calvo President of Technological Institute of Costa Rica (2011).
 - Manage College Research Office staff team for:
 - Proposal and award and expenditure activity on grant and contracts, ca. \$15M per year
 - McIntire-Stennis project submission and reporting, ca. \$900K per year
 - Access to Federal Surplus Property System
 - Salary-release and cost-share accounting
 - Technical service agreements
 - Research Office website
- Led development of potential CNR-based Think Tank (2002) and initiated and first coordinator for College of Natural Resources / Department of Forestry and Environmental Resources, “Future of Forests and Natural Resources” Distinguished Lecture event. This activity was developed to be a graduate student led event, including an awards ceremony, poster session and small group meetings with the invited speakers, and a joint banquet with the NC State Natural Resources Foundation. In conjunction with the first event in 2002, developed with my department head two new graduate fellowships to be awarded at the lecture, named for two extraordinary Professors/Dept. Heads Emeritus (Charles Davey and Arthur Cooper).
- College Research Committee - Planned/convened the following session for CNR faculty and staff on: Tree Germplasm Protection through the Intellectual Property / Technology Transfer Processes, COS/SciVal funding opportunity search engines, “Sabbatical Wisdom”, relation between intellectual property and Freedom of Information Request laws and regulations, university shared-use equipment and facilities, and convened and moderated the first CNR Scholarship Day, including

College-level strategic discussions, presentations by faculty, launched an electronic discussion board following, and future plans to host College coffee-n-donuts regularly throughout the year, and semi-annual CNR Scholarship Days (next set for December 6, 2011). Each year solicit and reviewed with Research Committee internal Faculty Research and Professional Development Proposals, Undergraduate Research Proposals, and others.

Teaching and Related at NC State

- NR100, Introduction to Natural Resources (2 credits), yearly 1998-2008. This class was required for students in all of the Natural Resources curricula (7 concentrations within this study area spread across multiple departments/colleges), up to 30 students, NC State.
- FOR110, Introduction to Forestry (2 credits), yearly 2000-2008. This class was required for students in the Forest Management curriculum, up to 40 students, NC State.
- FOR252, Introduction to Forest Science (3 credits), yearly 2002-2008. This class was required for students in Natural Resources and Wildlife programs, and was an advised technical elective for students in the Parks and Recreation program, up to 35 students. Listed as a General Education Requirement (GER) qualifying course, with students from a wide variety of majors, such as horticulture, agriculture extension and education, and science education, NC State.
- EFB520, Integrated Forest Pest Management (3 credits) as an undergraduate/graduate level class, 1996, SUNY-ESF-Syracuse.

Advising and Mentoring at NC State

- Academic, research and summer intern advisor to undergraduates at SUNY-ESF-Syracuse (for dual major Forestry-Biology students) and NC State (for Forestry and Natural Resources students), occasional graduate committee member in forestry and entomology at WVU.
- Graduate committee member at SUNY-ESF, NC State and WVU (for students in forestry, entomology, soils).
- Postdoctoral scholar (G Fowler), visiting scholar (X Chen), and special projects advisor at NC State (14) and SUNY-ESF (2).
- Initiated and served as Faculty advisor to Future of Forests and Natural Resources Distinguished Lecture event –as led by the Natural Resources Organization of Graduate Students (2003, 2004, resource person to this effort 2005, 2006), NC State.

Major Advisor for Graduate Students at NC State - 19

- Charlie Lawrence, MS Forestry, 2012 (former AGEP student); Responses of young natural Piedmont regeneration to fertility and release treatments; current US Army officer.
- Adam Brown, MS Forestry, 2012; Influence of loblolly pine tree strips on soybean productivity and abiotic conditions in a temperate agroforestry trial, current Weyerhaeuser research forester.
- Tracy San Filipino, MS Forestry, 2012; Response of individual hardwood trees in young stands treated with release and fertilization, current uncertain.

- Hayley Stevenson, MS Forestry, 2009 (Co-advise with Fred Cabbage); Agroforestry performance in North Carolina / special project on agroforestry in New Zealand, current stay-at-home parent.
- Robert M. Jetton, PhD Entomology, 2008 (Co-advise with Fred Hain); Studies of hemlock woolly adelgid: biocontrol and plant resistance, current Research Assistant Professor at NC State.
- Luis Carrasco, PhD Forestry, 2008 (Co-advise with Gary Blank/Erin Sills; at time of defense no longer listed as Major Advisor due to changes in thesis); Strategic environmental assessment, current scientist with NC Center for Geographic Information and Analysis.
- Meredith Malone, MS Forestry, 2007; The growth of forest palms for parrot habitat in Rio Abajo Puerto Rico, current Steward for The Nature Conservancy Maryland.
- Heather Blake Dreps, MS Forestry, 2007; Alternative rooting times for northern red oak stem cuttings, current Graphic Artist.
- Matthew Harrison Gocke, MS Forestry, 2006 (Co-advise with Barry Goldfarb); Rooting Responses of Sweet gum and Loblolly Pine, current Staff NC Botanical Garden.
- Bryan Jacob Berenguer, MS Forestry, 2006; Response of very young Piedmont natural hardwoods to fertilization and release, current Head of Projects, Welthungerhilfe, Myanmar.
- Jessica Marie Metzger, MF Forestry, 2005, The relationship between red-cockaded woodpecker fitness and habitat at the Palmetto-Peartree Preserve, Tyrrell County, NC, formerly, science staff at Western Kentucky University, current uncertain.
- Jamie Lee Schuler, PhD Forestry, 2005, Response of young Piedmont hardwoods in NC to silvicultural treatments, currently Assistant Professor West Virginia University.
- Leslie P. Newton, MS Forestry, 2003; Response of Young Coastal Plain Upland Natural Hardwoods to Thinning and Fertilization, current Science Staff at USDA APHIS, Raleigh, NC.
- Liessa Thomas Bowen, PhD Forestry/Wildlife, 2003, (Co-advise with Chris Moorman), Response of Bird Communities to Forest Management on the Savannah River Site, current uncertain.
- Robert M. Jetton, MS Forestry, 2002, (Co-advise with Fred Hain), Defoliation Tolerance and Resistance to Forest Tent Caterpillar in Sweetgum, current Research Assistant Professor, NC State.
- Peter Birks, MS Forestry, 2001, Effects of Environmental Stresses on Sweetgum Seedlings and Potential to Use Stress as an Early Seedling Screening Technique for Superior Families, current Research forester Weyerhaeuser Company.
- Muhamed K. Islam, MF Forestry, 2001, Survey of Farm Forestry in Bangladesh, current independent consultant in agriculture/natural resources.
- Mark Romagosa. MS Forestry, 1999, An Evaluation of Biological Constraints to the Early Growth of Hardwoods on NC Piedmont Clearcuts, current Area Manager, Palm Beach County Environmental Management, FL .
- John Rapp, MS Forestry, 1999, (Co-advise with Ted Shear), Soil, Groundwater & Floristics of SE US Blackwater Swamp 8 Yrs After Helicopter and Skidder Harvesting, current Assistant Director Strategic Planning, Budget and Accountability, USDA Forest Service, Wash, DC.

Major Advisor for Graduate Students at SUNY-ESF-Syracuse - 5

- Timothy Volk, PhD, 2003 (Co-advised with L. Abrahamson until 1998, then committee member after moving to NC State), Alternative site preparation methods for establishing short rotation willow and poplar, current Senior Research Associate and Biomass Program Director, SUNY-ESF-Syracuse.
- Pradeep Tharakan, MS, 2000 (Co-advise with L. Abrahamson), Clonal Performance Evaluation and Production Physiology of Willow and Poplar Bioenergy Crops, current Senior Energy Specialist, Asia Development Bank, Australia.
- Erik Nordman, MS, 1999 (Co-advise with L. Abrahamson), Evaluation of Willow and Poplar Biomass Production Clones for Resistance to Multiple Insect Pests, current Associate Professor Western Michigan University.
- Carolyn Pike, MS, 1999, Characterization of Black oak Decline and Associated Cynipid Gall Wasp on NY's Long Island, current Forest Scientist USDA Forest Service and Perdue University.
- Tim Rooney, MS, 1997 (Co-advise with L. Abrahamson), Production Costs and Economic Supply of Industrial Wood Fuel in Central New York, current renewable energy consultant in Colorado.

COMMITTEE & SERVICE WORK

2012 to present at WVU

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| • WVU Provosts Office, Summer Strategies Comm. | 2017-continuing | Member |
| • WVU Provosts Office, Safety/Civility Strategies Comm. | 2017-continuing | Member |
| • WVU Provosts Office, Post-Election Comm. | 2016 -2017 | Member |
| • WVU Provosts Office, cluster hires, x4
(water resources, health disparities, STEM Ed, Shale Gas Energy) | 2013-2016 | Chair/Member |
| • State of WV Conservation Awards | 2012-continuing | Member |
| • State of WV Conservation Agency Board | 2012-continuing | Member |
| • State Fair of WV Advisory Board | 2012-continuing | Member |
| • State of WV Livestock Care/Standards Board | 2014-continuing | Member |
| • WV Agric and Forestry Hall of Fame | 2012-continuing | Pres, Exec Bd |
| • APLU International ACC | 2013-continuing | Member |
| • Search Comm for Dean-WVU Eberly College Arts & Sci | 2014-2015 | Chair, x2 |
| • University Innovation and Entrepreneurship | 2012-2015 | Member |
| • University Research | 2012-continuing | Member |
| • Energy Institute | 2015-continuing | Member |
| • Provost and Deans Council | 2012-continuing | Member |
| • Future of Summer/Off-Campus | 2017-continuing | Member |
| • Global Affairs Planning | 2016-continuing | Member |
| • Davis-Michael Pre-Veterinary Scholars | 2012-continuing | Member |
| • Campus Diversity and Civility | 2016-continuing | Member |

1997 to 2012 at NC State

• Coop. Ecosystem Studies Unit, Piedmont-So. Atlantic	2011-2012	NC State Rep
• Institute of Forest Biotechnology	2010-2012	NC State Rep
• Southern Forest Research Partnership	2006, 2010	NC State Rep
• NC State Natural Resources Leadership Institute	2005-2012	Advisory
• NC State Natural Resources Leadership Institute Bd	2004-2005	Member
• Appalachian Hardwood Forest Research Alliance	2005-2007	Participant
• Southern Forest Tree Improvement Committee	2000-2005	Member
• State of NC Energy Office-Biomass Council	2004-2007	Member
• Advisory Comm for Forestry SUNY-ESF-Syracuse	2002	Member
• Internat. Forestry Eval Comm, Israel Land Dev Auth	2001	Member
• Cottonwood Project-Miss State Univ. Tech. Adv.	1999	Member
• Short Rotation Woody Crops–Sav River, Sci Comm	1999-2004	Member
• Partnership fRoanoke River - Timber Co./TNC Adv Bd	1997-2002	Member
• Univ Strat Planning Task Force on Global Engagement	2010-2011	Co-Chair
• Univ Partnership Council (external relations)	2011-2012	CNR Rep.
• UNC Board of Governors Teaching Award Committee	2010	Member
• Univ Global Health Initiative	2010-2012	Advisory
• Univ Intellectual Property Committee	2009-2012	CNR Rep.
• Univ Tech Transfer Team for response to UNC-GA	2009	Member
• Univ Ext/Engage/EconDev Report Committee	2009-2010	Member
• Univ Search Comm. Vice Chan Res & Grad Studies	2008	Member
• Univ Global Proficiency Certificate Advisory Board	2008-2009	Member
• Univ Africa Advisory Group for International Affairs	2008-2012	Member
• Univ Japan Center Board	2008-2012	Member
• Univ International Operations Council	2007-2012	CNR Rep.
• Univ Study Abroad Office Scholarship Applications	2004-2009	Reviewer
• Univ Park Scholars Speakers	2005-2007	Co-Fac. Adv.
• Univ General Education Requirement Taskforce	2005-2007	CNR Rep.
• Univ Council on Undergraduate Education (CUE)	2004-2007	CNR Rep.
• Univ Research Operations Council	2004-2006	CNR Rep.
• Univ Ext, Engagement, Econ. Dev. Operations Council	2004-2006	CNR Rep.
• Univ Cooperative Extension Council	2004-2006	CNR Rep.
• NC Natural Resources Foundation	2009-2012	Ex-officio
• Coll Executive	2004-2012	Member
• Coll Research Committee	2004-2007,2009-2012	Lead
• Coll State Combined Campaign Fund (United Way)	2009-2012	Lead
• Coll Teaching Awards Committee	2008-2011	Member/Chair
• Coll Biomass Roundtable	2005-2007	Convener
• Coll Internat., Ext, Housing, Forestry Co-ops Rdtables	2005-2007	Convenor
• Coll Emerging Issues Institute Economic Dev Rdtable	2005	Participant

• Coll Scholars Program	2004-2006	Leader
• Coll Honorifics	2005-2012	Member/Lead
• Coll Distinguished Lecturer	2003-2004	Fac. Advisor
• Coll Borlaug Lecture and Award	2004-2012	Leader
• Coll Virtual University Initiative Team with UGA	2000-2002	Member
• Coll Strategic Research Initiative on Forest Productivity	2000	Member
• Coll Safety	1998-2003, 2009-2012	Member
• Coll Forests	1997-1998	Member
• Dept International Endowments	2001-2009	Member
• Dept Post-tenure Review	2003-2005, 2007	Member
• Dept, SAF Reaccreditation	2004-2005	Co-Chair
• Dept Forestry and NR Curricula Revision	2002-2003	Member
• Dept Summer Camp	2000-2001	Member
• Dept Chowan and Bull Neck Swamp Properties	2000-2002	Member
• Dept Undergraduate Curriculum	1999-2000	Member
• Dept State Combined Campaign Fund (United Way)	1997-1998	Lead
• Dept Natural Resources Curriculum Revision	1997-2001	Member
• Dept Search Comm for Educational Outreach Director	1999	Member

1993 to 1997 at SUNY-ESF-Syracuse

• Acting Internat Prog (Forestry Fac Exec Comm)	1995	Coordinator
• South-Central NY NRCS RC&D, Forestry Adv. Comm.	1995-1997	Member
• Northeast Forest Insect Work Conference	1995-1997	Sec-Treasurer
• Ontario Model Forest Prog for Calakmul Forest in Mexico	1996-1997	Liaison
• Dominican Republic Initiative, SUNY-ESF	1996-1997	Member
• Northern Forest Institute Committee	1985-1987	Member

1987 to 1991 at University of Wisconsin-Madison

• Dept Grad Student Organization	1988-89	President
• Dept Faculty Research Committee	1989	Member
• Dept Search Comm for Assistant Prof. Medical Entomol	1990	Member
• Entomol Soc America, No-Central Branch Student Affairs	1988-90	Vice-Chair

PUBLICATIONS

Peer-Reviewed Journal Publications - 37

- Jetton, RM and DJ Robison. 2014. Effects of artificial defoliation on growth and biomass accumulation in short-rotation sweetgum (*Liquidambar styraciflua*) in North Carolina. *J. Insect Sci.* 14(107):1-14.
- Cubbage, F, V Glenn, JP Mueller, D Robison, J-M Luginbuhl and R Myers. 2012. Early tree growth, crop yields and estimated returns for an agroforestry trial in Goldsboro, North Carolina. *Agroforestry Systems* 86(3):323-334.
- Schuler, JL and DJ Robison. 2010. Performance of northern red oak enrichment plantings in naturally regenerating southern Appalachian hardwood stands. *New Forests* 40:119-130.
- Berenguer, BJ, JL Schuler; DJ Robison, MH Gocke and E Treasure. 2009. Response of a very young natural piedmont upland stand to fertility. *New Forests* 37:155-174.
- Raffa, KF, B Aukema, BJ Bentz, A Carroll, N Erbilgin, DA Herms, JA Hicke, RW Hofstetter, S Katovich, BS Lindgren, J Logan, W Mattson, AS Munson, DJ Robison, DL Six, PC Tobin, PA Townsend and KF Wallin. 2009. A Literal Meaning of Forest Health Safeguards Against Misuses and Misapplications. *J. Forestry*. 107: 276-277.
- Knebel, L, D.J. Robison, T. Wentworth and K.D. Klepzig. 2008. Resin flow responses to fertilization, wounding and fungal inoculation in loblolly pine in NC. *Tree Physiol.* 28:847–853.
- McTague, J.P., D. O’Loughlin, J.R. Roise, D.J. Robison and R.C. Kellison. 2008. The NC State SOHARC model system for growth and yield of Southern hardwoods. *So. J. Appl. For.* 32:173-183.
- Schuler, JL and DJ Robison. 2008. The Effects of Intensive Management on the Leaf Characteristics and Growth Phenology of Young Yellow-Poplar Stems. *Forest Ecology and Manage.* 255:787-796.
- Gocke, MH, DJ Robison and E Treasure. 2008. Rooting stem cuttings of several species within the genus *Quercus* L. *Internat. Oak J.* 19:29-41.
- Schuler, J.L. and D.J. Robison. 2006. Stand Development and Growth Response of 1 to 3 Year-Old Natural Upland Hardwoods to Silvicultural Treatments. *Forest Ecology and Manage.* 232:124-134.
- Klepzig, Kier D.; Robison, Daniel J.; Fowler, Glenn; Minchin, Peter R.; Hain, Fred P.; Allen, H. Lee. 2005. Effects of mass inoculation on induced oleoresin response in intensively managed loblolly pine. *Tree Physiology* 25, 681–688.
- Nordman, E.E., D.J. Robison, L.P. Abrahamson and T.A. Volk. 2005. Relative resistance of willow and poplar biomass production clones across a continuum of herbivorous insect specialization: univariate and multivariate approaches. *For. Ecol and Manage.* 217:307-318.
- Wingfield, M.J. and D.J. Robison. 2004. Diseases and insect pests of *Gmelina*: real threats and real opportunities. *New Forests* 28:227-243. (also published as a CD book chapter by NC State CAMCORE program)

- Volk, T., B. Ballard, D. Robison and L. Abrahamson. 2004. Effect of cutting storage conditions on the survival and early growth of four willow (*Salix L.*) clones. *New Forests* 28:63-78.
- Schuler, J.L., D.J. Robison, and H. Quicke. 2004. Assessing the use of Chopper herbicide for establishing hardwood plantations on a cutover site. *South. J. Appl. For.* 28(3):163-170.
- Siry, J., D.J. Robison and F. W. Cubbage. 2004. Economic returns model for silvicultural investments in young natural hardwood stands. *So. J. Appl. For.* 28:179-184.
- Romagosa, M. and D. Robison. 2003. Biological constraints on the early growth of hardwood regeneration in upland Piedmont forests. *For. Ecol. Manage.* 175:545-561.
- Chang, S.X. and D. Robison. 2003. Nondestructive and rapid estimation of hardwood foliar nitrogen status using the SPAD-502 chlorophyll meter. *For. Ecol. Manage.* 181:331-338
- Coleman, M., S. Chang and D. Robison. 2003. DRIS analysis identifies a common K imbalance in sweetgum (*Liquidambar styraciflua*) plantations. *Communications in Soil Sci. and Plant Anal.* 34:1919-1941.
- Pike, C., D. Robison, L. Abrahamson and C. Maynard. 2003. Evaluating growth and resistance of eastern and western white pine to white pine weevil and blister rust in the Northeast. *No. J. Appl. For.* 20:19-26.
- Rapp, J., T.H. Shear and D.J. Robison. 2001. Vegetation, soil and groundwater in a southeastern blackwater forest eight years after helicopter and skidder logging. *For. Ecol. Manage.* 149:241-252.
- Tharakan, P.J., D.J. Robison, L.P. Abrahamson & C.A. Nowak. 2001. Multivariate approach for integrated evaluation of clonal biomass production potential. *Biomass and Bioenergy* 21:237-247.
- Rauscher, M., M. Young, C. Webb and D. Robison. 2000. Testing the accuracy of growth and yield models for Southern hardwood forests. *So. J. Appl. For.* 24:176-185.
- Robison, D.J. and K.F. Raffa. 1998. Productivity, drought tolerance and pest status of hybrid *Populus*: tree improvement and silvicultural implications. *Biomass and Bioenergy* 14:1-20.
- Abrahamson, L.P., D.J. Robison and five others. 1998. Sustainability and environmental issues associated with willow bioenergy development in New York (USA). *Biomass and Bioenergy* 15:17-22.
- Robison, D.J., L.P. Abrahamson, K.F. Raffa and E.H. White. 1998. Spruce budworm field fecundity: new insights into its estimation and use. *For. Ecol. Manage.* 106:73-81.
- Klepzig, K.D., D.J. Robison, E. Smalley and K.F. Raffa. 1997. Clonal variation in herbivore induced resistance of hybrid poplar to a fungal pathogen. *Gr. Lakes Entomol.* 30:99-104.
- Robison, D.J. and K.F. Raffa. 1997. Effects of constitutive and inducible traits of hybrid poplars on forest tent caterpillar feeding and population ecology. *For. Sci.* 43:252-267.
- Robison, D.J. and K.F. Raffa. 1996. Importance of cutting diameter and method of production on early growth of hybrid poplar. *Tree Planters Notes* 42:76-80.
- Robison, D.J. and K.F. Raffa. 1994. Characterization of hybrid poplar clones for resistance to the forest tent caterpillar. *For. Sci.* 40:686-714.

- Robison, D.J., K.F. Raffa and B. McCown. 1994. Responses of gypsy moth and forest tent caterpillar to transgenic poplar containing a *B. thuringiensis* gene. *Environ. Entomol.* 23:1030-1041.
- McCown, B.H., D. McCabe, J. Russell, D. Robison, K. Barton and K. Raffa. 1991. Stable transformation of *Populus* and incorporation of pest resistance by electrical discharge particle acceleration. *Plant Cell Rep.* 9:590-594.
- Robison, D.J., L.P. Abrahamson, E.H. White, D. Jennings and M.M. Czapowskyj. 1990. Spruce budworm egg mass dimensions and corresponding egg complement on black spruce. *Environ. Entomol.* 19:157-159.
- Mendel, Z., N. Saphir and D. Robison. 1990. Rearing the Israeli pine scale, notes on behavior. *Ann. Entomol. Soc. Am.* 83:532-537.
- Mendel, Z., E. Dunkelblum and D. Robison. 1990. Sexual behavior of the Israeli pine bast scale, *Matsuccocus josephi*: adult male emergence and release of female pheromone. *J. Chem. Ecol.* 16:2341-2352.
- Abrahamson, L.P., E.H. White, C. Nowak, R.D. Briggs and D.J. Robison, 1990. Evaluating hybrid poplar clonal growth potential in a 3-yr-old selection trial. *Biomass* 21:101-114.
- Robison, D.J., L.P. Abrahamson, M.M. Czapowskyj, E.H. White and D.C. Allen. 1985. Overwintering spruce budworm on black spruce: sample - unit size and population distribution. *Can. Entomol.* 4:395-399.

Book Chapters / Booklets - 11

- Wilson, JR, DJ Robison, and G Comstock. 2013. Authorship: New Faculty. IN: G Comstock (ed.). *Research Ethics: A Philosophical Guide to the Responsible Conduct of Research*. Cambridge: Cambridge U. Press. 124-129.
- Schuler, JL, DJ Robison. 2009. Response of Reproduction and Residual Overstory Trees to Even-aged Regeneration Methods in Southern Hardwoods. IN: MV Fournier (ed.). *Forest Regeneration: Ecology, Management and Economics*. 198 pp. Nova Science Publishers, NY (e-book). pp. 71-86.
- Pike, C.C., D.J. Robison and L.P. Abrahamson. 2006. Cynipid gall wasps in declining black oak in New York: Relationships with prior tree history and crown dieback. In: K. Ozaki, J. Yukawa, T. Ohgushi and P.W. Price (eds.). *Galling Arthropods and Their Associates Ecology and Evolution*. Springer Press, Japan. pp. 123-132.
- Robison, D.J. 2002. Deploying pest resistance in genetically-limited forest plantations: developing ecologically-based strategies for managing risk (Chapter 8). IN: M.J. Wagner et. al (eds.). *Mechanisms and Deployment of Insect Resistance in Trees*. Kluwer Academic Publishers, Netherlands. pp. 169-188.
- Teale, S.A. and D.J. Robison. 1995. Forest entomology. IN: S.K. Majumdar et. al. (eds.). *Forests – A Global Perspective*. Penn. Academy of Science. pp. 91-104.

Heinrichs, E.A., D. Johnson, K. Afun and D. Robison. 1995. Rice pests in shifting cultivation in Cote d'Ivoire, West Africa. IN: Fragile Lives in Fragile Ecosystems. Internat. Rice Res. Inst., Philippines. pp. 37-553.

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Siry, J., D. Robison and F. Cabbage. 2004. Economics of hardwood management. *Forest Landowner* 63(2):32-34.

Robison, D.J. Guest Coeditor, *Forest Landowner* magazine 2004 Issue 63(2). Issue focusing on hardwoods. Solicited/edited individual articles by Schuler, Frederick, Moorman, Bardon et al.

Robison, D.J. August 24, 2004. Hardwood plantations and enrichment planting. *Timbertalk* radio show interview with Teddy Reynolds. <http://www.timbertalk.com/Timber%20Talk%20Past%20Guest.htm>

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Abrahamson, L.P., E. White, R. Kopp, K. Burns and D. Robison. 1994. Willow biomass for bioenergy, A renewable energy source for the future. SUNY-ESF-Syracuse, NY. Environ. Info. Series. 2 pp.

Robison, D.J. 1993. Notes on management of soil, water, & vegetation in West African urban environments. For USAID, US Peace Corps & Research Triangle Institute, Cote d'Ivoire. 30 pp.

Robison, D. 1991. Training materials for urban environmental management Peace Corps Volunteers: Soil and water conservation and erosion control. US Peace Corps, Cote d'Ivoire.

Robison, D., E. White and L. Abrahamson. 1988. What are hybrid poplars? NY State Energy Res. Dev. Auth., Biomass Res. Bull. FGHO2. 2 pp.

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Commentary, Perspective, Review - 17, and 1 in preparation

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Robison, D. 2000. Enhancing the wood products trade between the U.S. and Africa - focus on Ghana, Sylvanet 13(1):6-7.

Robison, D. 2000. The context and development of forestry education in Israel: an NC State connection. Sylvanet 13(3):1-3.

Robison, D.J., B. Goldfarb and B. Li. 1998. Advancing hardwood production forestry. PaperAge. May. pp. 22-24.

Robison, D.J. 1998. Forest industry opportunities to benefit from and contribute to bioenergy business development. IN: Proceedings - Bioenergy '98, 4-8 October 1998, Madison, WI. Grt. Lakes Regional Biomass Energy Program. pp. 240-242.

Robison, D. 1997. Understanding forest resources in Africa. Eco-Afrique, African Development Bank (electronic).

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Robison, D., T. Rooney, L. Abrahamson and E. White. 1994. Wood energy issues in New York. NY Forest Owner, Jul/Aug:5.

Robison, D. 1993. Sustainable fuelwood needs in Africa. Eco-Afrique, African Development Bank Vol 2:4. 2 pp.

Proceedings, Technical Reports, Report Documents, Abstracts – 80+, from 1985 to present, list available

PRESENTATIONS

Invited Scientific and Professional Presentations and Posters - 75, from 1985-2012, list available, since 2012 numerous as College Dean at WVU

Contributed Presentations and Posters - 64, from 1997-2017, list available, earlier records

FUNDING HISTORY

Grants from Sources External to Universities, before WVU, 1989-2012, Total ca. \$24,000,000

Robison, D, R Brown, R Bardon, F Cabbage, D Hazel, N Peterson. Sentinel landscapes resource development for military training. US Army - Corps of Engineers (Prime-US Marine Corps), 2011-2012, \$1,323,162.

Kelley, S, R Abt, R Bardon, V Chiang, S Dasmohapatra, B Goldfarb, H Jameel, J Stape, R Venditti, R Whetten, D Robison, S McKeand, F Isik, S Park. NC State Subcontract - Southeast Partnership for Integrated Biomass Supply Systems. University of Tennessee (Prime-US Dept. of Agriculture NIFA AFRI CAP), 2011-2015, \$3,180,356 (to NC State).

Goldfarb, B, S Nelson, D Robison. Producing a More Diverse Workforce in Natural Resources: Phase I, Establishing Relationships and Laying the Groundwork for Graduate Education for Students from Puerto Rico. USDA Forest Service Southern Research Station, 2010-2013, \$29,680.

Nelson, S, Goldfarb, B, Robison, D. Capacity Building – Increasing the Pool for the Development of a Multicultural Workforce and Connection to Underserved Communities Across the US. US Dept. of Agriculture Forest Service, 2011-2012, \$74,000.

Shea, D, S Fitzpatrick, R Boyles, R Dunn, D Eggleston, N Haddad, J Gilliam, S Kennedy-Stoskopf, C Moorman, M Overton, D Robison, F Semazzi, M Stoskopf. Southeast Climate Science Center. US Geological Survey. 2010-2015, \$574,153.

Robison, D, B Goldfarb. Template for Assessing Climate Change Impacts and Management Options, USDA Forest Service Southern Research Station, 2011-2013, \$168,506.

Goldfarb, B, D Robison, D Morais. Afghan Agricultural University Faculty Strengthening (AAUFS). Purdue University (Prime-US Agency for International Development). 2011-2016, \$247,414 (to NC State).

Robison, DJ, J King and V Chiang. Tree Biotechnology, Genetics and Production Systems for Enhanced Wood-Based Biofuel Development. USDA CSREES, 2008, 2009, 2010-2012. Total for period = \$567,964.

Robison, D.J., L.J. Frampton, G.R. Hodge, R. Bardon, B. Goldfarb and others. Integrated biotechnological and genetic systems for enhanced forest productivity and health. USDA CSREES. Annual funding - 2001, 2002, 2003, 2004, 2005, 2006, 2007. Total for period = \$1,380,278.

Mueller, P., J-M Luginbuhl, and F Cabbage (and D. Robison – not listed but should have been - pers. comm. F. Cabbage). Agroforestry and grazing lands conservation demonstration. USDA Natural Resources Conservation Service. 2006-2008, \$42,000.

Collazo, J. and D.J. Robison. Enhancement of forest palms in Rio Abadjo Forest Preserve, Puerto Rico, to improve habitat for the endangered Puerto Rican parrot. USDA Fish and Wildlife Service, 2005-2007. \$ through larger grant to J. Collazo (sufficient to fund M.S. student), ca. \$45,000.

Kalland, S., A. Hobbs, D.J. Robison and others. Workable incentive systems for bioenergy development. USDA and USDOE. 2004–2007. \$450,000.

Robison, D.J., H.L. Allen. Assessment of Resources Availability Effects on Forest Health: Insect-Disease Interactions in Intensively Managed Loblolly Pine. USF Forest Service, 2002-2004. \$25,000.

Robison, D, D Hazel, R Hamilton, R Bardon, C Moorman, S Tomas, C Kline, J Denig, P Mitchell, JD Wellman. Enhancing the management / utilization of NC's rural natural resources to promote economic and community development: creating jobs for NC. UDSA Forest Service. 2005-2006. \$493,000.

Robison, D.J. Hardwood Research Cooperative Annual Funding, 1996-2004. Total for period = \$1,145,238.

Robison, D.J., Sycamore disease research. Boise Cascade Corporation, 1999. \$3,000.

Robison, D.J. Site preparation study for hardwoods with Chopper herbicide. American Cyanamid Company, 1999-2000. \$30,000.

Robison, D.J. Gift to Hardwood Research Cooperative, American Cyanamid Company, 1998, \$5,000.

Robison, D.J. Thinning and fertilization of a young coastal plain natural stand in eastern North Carolina. International Paper Company, 1999. \$10,000.

Robison, D.J. Natural stand growth and yield effort. International Paper Company, 2001. \$10,000.

Shear, T .H. and D.J. Robison. Monitor Effects of Clearcutting With Helicopter and Simulated Skidder Logging After 8 Years in a Southeastern Blackwater Swamp. 1997-1999. NCASI. \$20,000.

Robison, D.J. Enrichment Planting of Oaks and Seedling Release Following Clearcutting on Piedmont Forests. Hardwood Forestry Fund. 1997. \$5,784.

Chang, S.X. and D.J. Robison. Establishment of mixed cherrybark oak, sweetgum and loblolly pine stands at Hill Demonstration Forest. Submitted to Hardwood Forestry Fund, 1999, \$8,322. Declined.

Robison, D.J. and S.X. Chang. Proposal for: Hardwood species seed collection, exchange and testing with China. Submitted to USDA FAS, 1999, \$Travel costs. Declined.

Robison, D.J. Sweetgum research in Jiffy Pellets. Submitted to Jiffy Products of America, Inc., 1999, \$4,000.

Jervis, L. and D. Robison. Evaluation of Release Intensity and Timing on Growth of Oak Saplings on Piedmont Sites. Hardwood Forestry Fund. 1998. \$10,800.

Robison, D.J. Development of Baseline Information for Understanding Plantation Sycamore Dieback and Decline. US Forest Service, So. Research Station. 1998, \$7,000.

Robison, D., L. Abrahamson and E.H. White. Characterization of new clonal willow selections for tree improvement. Oak Ridge National Laboratory - Biofuels Development Program. 1996-2001, \$470,945.

Robison, D., L. Abrahamson and E. White. Application of poultry manure on wood biomass crops. Wegman's Egg Farms, Inc., and New York State Energy Research and Development Authority. 1996-1999. \$124,087.

Robison, D., C. Maynard and L. Abrahamson. Study of growth, blister rust and weevil in eastern, western and eastern X western white pine provenance trials in NY. NY Center for Forestry Research and Development. 1997. \$15,000.

Robison, D., L. Abrahamson and E. White. Biomass-bioenergy development in New York. New York State Energy Research and Development Authority, and Empire State Electric Energy Research Corp., 1996-1999, \$480,000.

Robison, D., L. Abrahamson and E. White. Riparian tree planting for screening along the Cayuga Lake shoreline at NYSEG's Milliken Generating Station. New York State Electric and Gas Corp., 1996-1998, \$28,032.

Robison, D., L. Abrahamson and E. White. Effects of clonal deployment patterns on productivity and pests in willow biomass - bioenergy plantings, and collection of native willow for clonal improvement. Electric Power Research Institute, 1995-1998, \$110,000.

Robison, D., E. White and L. Abrahamson. Program for wood bioenergy farming research, development and technology transfer in New York. USDA Federal Extension Service, 1995-\$200,000; 1996-\$200,000; 1997-\$200,000.

The Salix Consortium (White, Abrahamson, Robison, Peterson, Gray, Demeters, Neuhauser, Benjamin, others). Biomass power for rural development. US Dept. of Energy. 1996-2001. \$13,400,000.

Robison, D., L. Abrahamson and E. White. Wood biomass as a renewable energy feedstock for the gas industry. New York Gas Group Organization, 1994-1997, \$30,000.

Robison, D., L. Abrahamson and E. White. Cooperative SUNY-ESF and NYSEG biomass-bioenergy development program. New York State Electric and Gas Corp., 1995-1998, \$90,000.

Robison, D., L. Abrahamson and D.C. Allen. Characterization and management of black oak decline, and life history of the associated gall wasp. USDA Forest Service, 1994-1997, 119,000.

Contributed to: White, E. and L. Abrahamson. Wood grass biomass potential of willow. NY State Energy Research and Development Authority, 1986-1989, \$512,960.

Robison, D., E. White and L. Abrahamson. Proposal for use of Reynolds Metals Co. land for a genetic selection trial of poplar clones. Reynolds Metals Company Tree Farm, 1985-1988, matching \$.

Robison, D. Integration of host-plant insect interactions at the individual and population levels. Sigma Xi, 1989, \$400.

Grants from Sources Internal to Universities, 1989-2013, Total ca. \$400,000.

Multiple co-PIs from WVU for WV Higher Education Policy Commission – Summer Undergraduate Research Award funding, \$75,000 per year, since 2013.

Robison, D, Kirkman, A. Survey of Public Attitudes About Natural Resources Higher Education. NC State, Faculty Research & Professional Development Fund, 2011-2012, \$4,000.

Robison, D.J., W. Dvorak, G. Hodge, L.J. Frampton and R. Whetten. Ecological and Economic Integrity of Southern Forest Ecosystems: Stand Dynamics, Invasive Pests and Genetic Determinants of Keystone Species. USDA McIntire-Stennis, 2004-2012 (funding amount per year varies through department head).

Robison, DJ. Support for American Council on Education Fellowship from NC State Office of the Provost and East Carolina University Office of the Chancellor, 2007-2008. \$20,000.

Robison, D.J. Genetic Improvement of Sycamore and Sweetgum, and Physiological Ecology Studies of Both Species, McIntire-Stennis Funding from NC State Department of Forestry. 1997-2004. (funding amount per year variable through department head).

Robison, D.J. 2005. Travel grant to attend IUFRO conference in Brisbane, Australia, August 2005. NC State Office of International Affairs. \$800.

Robison, D.J. 2000. Travel grant to attend International Congress of Entomology, Parana, Brazil.

NC State Office of International Affairs. \$800. Robison, D.J. 1999. Development of forestry, natural resources and ecology study program in Israel, and research opportunity investigation. NC State Internationalization Seed Grants Program. \$4000.

Goldfarb, B, L.J. Frampton and D. Robison. 1999. Outdoor rooting and rooted cutting production for three forest tree species. NC State CNR Faculty Research and Development Grants Program. \$5,000.

Robison, D., E. White and L. Abrahamson. Feasibility of wood biomass crops for bioenergy. New York Center for Forestry Research and Development, 1994, \$12,000.

Robison, D. Effects of clonal deployment patterns on poplar growth and insect behavior and development. SUNY ESF Research Incentive Funds, 1993, \$560.

Contributed to: Raffa, K. Host tree factors effecting susceptibility to forest defoliators. UW-Madison McIntire-Stennis, 1989-1992, \$97,200.

Contributed to: McCown, B., K. Raffa and D. Ellis. The transfer of biotechnologically-based pest control technologies to the fiber and bioenergy industries. UW-Madison, Graduate School Research Comm. Industrial and Economic Dev. Research Fund, 1991-1994, \$182,600.

INTERNATIONAL

Countries & States Worked In – Not including visits only for meetings

- Brazil – discussions with integrated forestry companies (1 week 2000)
- Burkina Faso and Mali – field survey work with West Africa Rice Development Association – insects in shifting cultivation rice (2 weeks during 1992-1993)
- Canada – field work/collaborations with Ontario Ministry of Natural Resources and University of Toronto on poplar/willow biomass systems (multiple days, 1985-1987, 1993-1997)
- Cote d'Ivoire – (1991-1993, full-time residency) - Field work with West African Rice Development Association – insects in shifting cultivation, lowland-upland rice systems, and work on institute research farm; Consultant for forestry sector review paper for USAID, and soil conservation for US Peace Corps; Consultant with Africa Development Bank – Social and Environmental Policy Division – country environmental profiles for Morocco, The Gambia, Zimbabwe, Cote d'Ivoire
- Ghana – (2 weeks during 1992-1993 and 2 weeks in 2004) - Field work with West Africa Rice Development Association – insects in shifting cultivation rice (1992); Tree resistance to insects with Ghana Forest Research Institute, Kumasi (1993); Co-leader NC State study tour – forestry, ecotourism, biodiversity (2004); Discussions on development of biomass-bioenergy systems with KN University of Science and Technology, Kumasi (2004)
- Israel – (8 weeks during 1987) and (1 week each 1997 and 1999) - Forest entomology research: laboratory/greenhouse/field with Volcani Center – Dept of Entomology, Israel Agric Res Organ, Bet Dagan (1987); Forestry review and collaboration - member official delegation of US Forest Service (Deputy Chief attending), Development of visiting lecturer prog. (1997) and design of collaborative forestry graduate degree between Israeli and U.S. institutions; Exploration of potential for student study tour and development of links for joint research and visits (1999)
- Kenya – discussions with World Agroforestry Center (1 week, 2007)
- Myanmar – consultant in forestry (pests, extension, general forestry) for UN FAO at Burma Forest Research Institute, Yezin (8 weeks in 1986) (1 day visit to USAID in India)
- Puerto Rico – advised graduate research on forest palm habitat for endangered parrot, and discussions with PR DNR about forestry/rural development (1 week each in 2005, 2006)
- South Africa – (4 weeks in 2001, 1 week in 2007) - Mini-sabbatical at University of Pretoria with Tree Pest Cooperative Programme, and Forest and Agriculture Biotechnology Institute, field visits (2001); Visits/discussions with University of Pretoria – Faculty of Agriculture and Natural Sciences, and forestry companies to develop collaborative links for joint research, student/faculty exchange, joint degrees, other (2007-2012)
- West Virginia – As College dean, state-wide representation to industry and interest groups, to state government, to constituents/stakeholders/alums
- Maine – Masters research on spruce budworm and black spruce silviculture and soils, SUNY-ESF joint project with US Forest Service NE Research Station at University of Maine-Orono (summers 1982 and 1983)

- Wisconsin, MN, IA – Doctoral research at UW-Madison on forest tent caterpillar and Populus productivity, laboratory/greenhouse and field research, visits to poplar plantations regionally, insect collection on Menominee Indian Reservation, joint meetings with US Forest Service NC Research Station, and Iowa State University faculty (1987-1991)
- New York, VT, PA, DE – hybrid poplar and willow biomass-bioenergy systems, spruce budworm, gypsy moth, Norway spruce, white pine, other (1982-1987, 1993-1997)
- North Carolina, VA, SC, GA, FL, AL, TN, WV, TX – multiple research projects, especially as director of the Hardwood Research Cooperative (membership at NC State from ca. 16 private and public forestry organizations) (1997-2012)

SUCCESSFUL FACILITATION / NOMINATION OF OTHERS FOR HIGH HONORS

(with other nominators)

- University of Illinois Professor Emeritus George Fahey for WVU Distinguished Alumni Award, 2017
- WVU Professor James Thompson for WVU Outstanding Teaching Award, 2017
- WVU Professor Michael Strager for WVU Outstanding Teaching Award, 2016
- WVU Professor Jingxin Wang for WVU Benedum Research Award, 2016
- WVU Professor Jeffrey Skousen for Heebink Service Award, 2014
- WVU Professor Joseph Morton for WVU Benedum Research Award, 2014
- WVU Professor Fonda Holehouse for WVU Outstanding Teaching Award, 2013
- Ohio State University Dean and Professor Rustin Moore for WVU Distinguished Alumni Award, 2015
- WVU Professor Emeritus Joginger Nath for WVU Vandalia Medal, 2016
- Spernus Pharmaceutical Corp. scientist Gopala Krishna for WVU Distinguished Alumni Award, 2014
- American Feed Industry Association President Joel Newman for WVU Distinguished Alumni Award, 2013
- USDA ARS Associate Administrator Caird Rexroad for WVU Davis College Dean's Award, 2013
- Michigan Tech University Professor X (confidential nomination, pending) for SAF Diversity Leadership Award, 2017
- University of Pretoria Professor Mike Wingfield for NC State honorary doctoral degree, May 2013
- NC State Professor Ellis Cowling for SUNY-ESF-Syracuse Outstanding Alumni Award, 2011
- NC State Professor Laura Severin to receive NC State Provost's office nomination for ACE Fellowship, 2011-2012
- NC State Professor Lee Allen for Society of American Foresters –Barrington Moore Research Award, 2010
- NC State Professor John King for Fulbright Fellowship, 2010, with R Brown and T Lomax
- NC State Professor Erin Sills for NC State University Award for Excellence in Global Engagement, 2010
- NC State Professor Lee Allen for NC State Holladay Medal, 2007
- NC State Professor Hou-Min Chang for NC State Watauga Medal, 2010
- US Army Col Richard Wagenaar for SUNY-ESF-Syracuse Outstanding Alumni Award
- NC State Professor Vincent Chiang for NC State Alumni Outstanding Research Award, 2004
- NC State Professors Susan Moore and Jennifer MacDougal for College Outstanding Extension Award, 2005

- NC State Professors Steve McKeand, Paul Mueller, William Dvorak and JoAnn Burkholder for NC State College of Natural Resources and College of Agriculture and Life Sciences Norman Borlaug Service Award, 2006, 2007, 2008, 2010
- Nobel Peace Laureate Dr. Wangari Maathai for NC State honorary doctoral degree – invited by Chancellor Oblinger to receive the degree 2007

REVIEWER, since 1985

- Journal articles (40+ for 19 journals)
- Grants/Proposals (10 panels, for various agencies/groups)
- Personnel/Research Station/Topical Reviews/Panels (10+)

MEMBERSHIPS / CERTIFICATIONS

- Society of American Foresters, since 1981 (NC Registered Forester No. 1252, 1997-2012, and SAF Certified Forester No. 2386, 1997-2012)
- Entomological Society of America, since 1983
- International Society of Tropical Foresters
- American Association for the Advancement of Science
- The Nature Conservancy

CONSULTING

- Cottey College (2 year private women's), Nevada, MO, advise on creation of 4-year degree in Environmental Science, and review accreditation documents, several tasks 2009-2010
- International Paper Company in Alexandria, MN, to assess poplar clonal forestry and cottonwood leaf beetle management, Alexandria, MN, August 2002
- U.S. AID (through University of Maryland-Eastern Shore) to organize symposium on wood products trade between U.S. and Africa (Ghana), Raleigh, NC, November 3-5, 1999

COMMUNITY SERVICE / CONTRIBUTIONS

- Advisory to Town of Cary on management for control of hemlock woolly adelgid in the Hemlock Bluffs Nature Preserve, 2009-2011; Nature Preserve trails maintenance, 2010
- Volunteer with Inter-Faith Food Shuttle Garden 2011
- Advised INTERACT (anti-domestic violence NGO) on gardening to support activities, 2008
- Volunteer science and travel presentations at Fuller Elementary School, The Raleigh Elementary School for Children, Cary Academy Middle and High Schools, 1999-2010
- Gardening committee, The Raleigh School, 2003-2006
- Member Board of Directors 2001-2006, and Sunday school teacher (5th, 6th, and 7th grades) 2003-2006, 2009-2011, Temple Beth Shalom

- Weston Pointe Homeowners Association, landscaping, 1998
- Created (with Jeffrey Robison) the annual “Robert S. and Eileen A. Robison Scholarship Award for Excellence in Graduate Studies” (parents) at Rutgers University, Cook College, Dept of Biochemistry and Microbiology, 2004
- NC State Chancellor's Circle, 1999-2000
- Created (with Julie Robison) the endowment for Undergraduate Forestry Research, NC State, Dept of Forestry and Environmental Resources, 2012
- Assistant Scout Master, Boy Scout Troop, Abidjan, Cote d'Ivoire, West Africa, 1992-1993

REFERENCES Available upon request.