

# Jill E. Thomley

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## EDUCATION

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Ph.D. in Decision Sciences and Engineering Systems (Statistics), August 2000	Department of Decision Sciences and Engineering Systems Rensselaer Polytechnic Institute, Troy, NY
M.S. in Industrial/Organizational Psychology December 1992	Department of Psychology Rensselaer Polytechnic Institute, Troy, NY
B.A. in Psychology June 1990	Department of Psychology Harvard University, Cambridge, MA

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## TEACHING EXPERIENCE

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Assistant Professor Appalachian State University Fall 2000 to Present	Courses Taught: STT1810 Basic Statistics STT2810 Introduction to Statistics STT3500 Independent Study STT3520 Instructional Assistant STT3530 Basic Statistics (trial course, became STT1810) STT3820 Statistical Methods I STT3830 Statistical Methods II STT3840 Elementary Probability and Survey Sampling STT4820/5820 Design and Analysis of Experiments STT4830/5830 Linear Regression Models STT4870 Senior Seminar MAT4510 Senior Honors Thesis Faculty Mentor for Graduate Student Teaching Apprentices
Adjunct Instructor Russell Sage College Spring and Fall 1999	Courses Taught: MAT113 Precalculus MAT220 Statistical Methods I
Senior Teaching Associate Rensselaer Polytechnic Institute Fall 1997, Spring 1999 through Spring 2000	Courses Taught: MGMT2010 Statistics for Management ENGR2600 Modeling and Analysis of Uncertainty ENGR4750 Engineering Economics
Teaching Assistant Rensselaer Polytechnic Institute Fall 1990 to Spring 1992, Fall 1996, Spring 1997, Spring and Fall 1998, Summer 2000	Undergraduate Courses: PSYC1200 General Psychology; ENGR2600 Modeling and Analysis of Uncertainty; PSYC4720 Abnormal Psychology • Graduate Courses: PSYC6570 Statistics for Behavioral Sciences I; DSES4710 Probability Theory and Mathematical Statistics I; DSES6020 Design of Experiments; and DSES6060 Applied Multivariate Analysis
Project Links Module Developer Rensselaer Polytechnic Institute Spring 1998 to Summer 1999	Worked with professors to develop interactive, web-based teaching modules for topics in math and science. Project Links was funded by a grant from the National Science Foundation.

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**EDITOR / REVIEWER EXPERIENCE**

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Associate Research Editor  
*Journal of Developmental Education*  
Fall 2003 to Present

Currently serving as an editor for articles with experimental or statistical content.

Editorial Board  
*The Centroid*  
Summer 2001 to Present

Currently serving as an editor for articles with statistics content or topics related to statistics education.

Reviewer, *Primus*  
Summer 2006

Served as a reviewer for a special issue of the journal focused on popular culture in the classroom.

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**RESEARCH ASSISTANT / ASSOCIATE EXPERIENCE**

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Research Health Science Specialist  
Samuel S. Stratton Veterans Administration  
Medical Center  
Fall 1992 to Summer 1995

Collected and analyzed data for a longitudinal study of managed health care for elderly veterans; participated in writing research grant proposals, articles, and reports; supervised several research assistants from a veterans work-study program.

Research Assistant  
Rensselaer Polytechnic Institute  
Fall 1990 to Spring 1992

Collected and analyzed data examining the effect of environment on performance of complex cognitive tasks. These studies, with other projects, were featured in a 1991 CNN television segment.

Research Assistant  
The Medical College of Ohio  
Summer 1984 to Summer 1986

Assisted in the collection of data for a variety of cancer research studies; conducted an award-winning independent research study on the effect of whole-body hyperthermia on rats.

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**CONSULTING RESEARCH / THESIS COMMITTEE MEMBERSHIP EXPERIENCE**

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**Non-ASU Individuals/Faculty**

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Chris Gambill, Senior Consultant  
Center for Congregational Health  
Summer 2006 to Present

Providing advice on analysis of data exploring the relationship between emotional intelligence, conflict resolution style, and other relevant personal variables for clergy in the United States.

Kristen St. John, Ph.D.  
James Madison University (at ASU pre-2004)  
Fall 2002 to Present

Currently collaborating on analyses of data regarding the cyclic distributions of various components of ocean floor sediment as a function of age (time), as well as correlations between cycles.

Rebecca Chaffee, Ph.D.  
University of Connecticut  
Summer 2003 to Fall 2005

Analyzed and provided advice on the analysis of data from a study to identify the roles of schools, family and peers in the political socialization of high school students.

JoAnne Spiggle, Ph.D.  
NCSU and Burke County Schools  
Fall 2002 to Fall 2003

Analyzed and provided advice on the analysis of data relating teaching evaluation scores to fifth-grade students' mathematics and reading improvement test scores.

Caldwell Hahn, Ph.D.  
USGS Patuxent Wildlife Research Center  
Summer 2002 to Summer 2003

Provided advice on analyses of data looking at bird hatchling growth in relation to egg clutch sizes and bird species parental behavior; also conducted tutorial sessions in the use of software.

John Powell, Ph.D.  
Argosy University and Lees MacRae College  
Fall 2002 to Spring 2003

Analyzed and provided statistical advice for a study examining differences in leadership qualities values by three generations (Baby Boomers, Generation X and Generation Y).

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### **ASU Faculty**

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Howard Neufeld, Ph.D.  
Department of Biology  
Fall 2001 to Present

Currently providing advice on statistical analyses and SAS programming as needed on an ongoing basis for a variety of ecological projects.

Kelli Fellows, Ph.D.  
Department of Communication  
Spring 2006

Provided advice on multivariate analysis of data from a research project on perception and emotional impact (e.g., aggressiveness or threat) of television ads.

Venable, Mark, Ph.D.  
Department of Biology  
Spring 2004

Assisted in the analysis of data from a study examining the role of ceramide in cellular senescence and the mechanism by which it operates.

Scott Laidlaw, Ph.D.  
Department of Health, Leisure and Exercise  
Science, Fall 2000

Provided advice on the meta-analysis of research on outdoor education programs to determine which study characteristics are related to differences among the reported estimated effect sizes.

Edward Sutton, Ph.D.  
Department of Educational / Leadership Studies  
Fall 2000

Analyzed data from a survey designed to assess the frequency and magnitude of collaboration or cooperation among Black Greek organizations at primarily white institutions.

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### **ASU Graduate Students – Thesis Committees**

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Department of Psychology: Stephanie Squires  
(2006, 2007)

Currently serving on a Master's Thesis committee for a project studying the appropriate uses and reliability of difference scores.

Department of Computer Science: Elizabeth  
Duea (2004)

Served as a member of a Master's Thesis committee for a project on bioinformatics (Java applets to model AIDS virus mutation).

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### **ASU Undergraduate Students – Thesis Committees**

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Department of Mathematical Sciences: Mitchell  
Jareo (2007)

Currently serving as thesis advisor for a project on the network structural properties of the MySpace online social network.

Department of Psychology: Victoria Lindsey  
(2006); Beckwith Kloss and Henry Rose (2007)

Served as a member of Honors Thesis committee for projects on brain chemistry reactions to stress in rats, the psychological state of "flow" and perception of time, and the effects of performance feedback/task clarification on worker behavior.

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### **ASU Graduate Students – Other Research Consultation**

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Department of Mathematical Sciences: Star  
Edwards, James Hale, Derrick Murphy, (2001);  
Krista Cornehl (2003); Shana King (2004);  
Amber Candela, Angela Smith (2006)

Provided advice on experimental design or analysis for products of learning involving comparisons, assessments or evaluations of the effectiveness of different teaching methods.

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Department of Biology: Amanda Aldridge (2001, 2004, 2005); Jason Bulluck, Shay Dumas, Beth Hudson, Jason Riddle, Robert Pleszewski, Lara Souza (2002); John Sealy, Heather Stockdale, Athena Anderson (2003, 2004); Daniel Dietrich, Alex Martin, Bradley Miller (2004); Melany Fisk (2005); Ann Huyler (2007)

Provided advice on experimental design, analysis and/or SAS programming for projects including: distribution of bird species, plants and/or microarthropod species in various terrain types in NC, including federally protected wetlands, the burned Linville Gorge area, and wilderness cliff areas; scent-tracking behavior of rattlesnakes; ozone damage in western NC plant species; mating behaviors of fruit flies in response to variations in genetic traits; chromosome pairing in a lily hybrid; and relationships between scorpion activity and various environmental factors.

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#### ASU Undergraduate Students – Other Research Consultation

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Jenna Fariss and Christy Ledford (STT); Emily Anthony, Katy Rountree (MAT); Nathan Bartholomew (BIO); Jean-Pierre Bastien, (HLES); Theresa Gilligan, Mary Johnston, Jessica McKinney (PSY); Oldham, A.J. (PHY)

Provided advice on analysis of data for projects including: an evaluation of the statistics work of a minority mathematician; performance measures for the ASU women's tennis team; the relationship between stress and exercise in ASU students; and the relationship between magnetic inductance and absorption.

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#### REFEREED JOURNAL ARTICLES, PROCEEDINGS AND COLUMNS

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**Thomley, JE** and Searcy, ME. (2007). The National Computational Science Institute: The development of a professional community. In Milková, E, and Prázák, P (Eds.), *Proceedings of the 8th International Conference on Technology in Mathematics Teaching*. Prague, Czech Republic: Faculty of Informatics and Management, University of Hradec Králové.

Searcy, ME and **Thomley, JE**. (2007). Barriers to interdisciplinary computational innovations in education. In Milková, E, and Prázák, P (Eds.), *Proceedings of the 8th International Conference on Technology in Mathematics Teaching*. Prague, Czech Republic: Faculty of Informatics and Management, University of Hradec Králové.

Greenwald, SJ and **Thomley, JE**. (2007). Mathematically talented women in Hollywood: Fred in *Angel*. *PRIMUS*, XVII(1), 105-118.\*

Greenwald, SJ and **Thomley, JE**. (2006). Putting the model in mathematician role models. *The Centroid*, 32(2), 20-22.

Venable, ME, Froehlich, LM, Sloan, EF and **Thomley, JE**. (2006). Changes in sphingolipid metabolism lead to an accumulation of ceramide in replicative senescence. *Mechanisms of Ageing and Development*, 127(5), 473-480.

**Thomley, JE** and Greenwald, SJ. (2005). Florence Nightingale, the passionate statistician. *Ontario Mathematics Gazette*, 43(3), 30-35. [Reprinted by request of the *Gazette* Editor.]

Searcy, ME and **Richie, JT**. (2004). Investigating the development of a computational science education community. In McDougall, DE and Ross, JA (Eds.), *Proceedings of the 26th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education Conference, Vol. 2*. Toronto: OISE/UT.

**Richie, JT** and Greenwald, SJ. (2004). Florence Nightingale, the passionate statistician. *The Centroid*, 30(2), 13-21.

Searcy, ME and **Richie, JT**. (2004). The notion of community in United States computational science education objectives. In Bubak, M, van Albada, GD, Sloot, PMA and Dongarra, JJ (Eds.), *Computational Science – ICCS 2004: Proceedings of the 4<sup>th</sup> International Conference on Computational Science*. New York: Springer-Verlag.

Arunasalam, RG, **Richie, JT**, Egan, W, Gur-Ali, O, and Wallace, WA. (1999). Reengineering claims processing using probabilistic inductive learning. *IEEE Transactions on Engineering Management*, 46(3), 335-345.\*\*

**Richie, JT** and Raghavachari, M. (1999). Canonical correlation analysis for rank order data. *Proceedings of the Section on Government Statistics and Section on Social Statistics, American Statistical Association*. Alexandria, VA: American Statistical Association.

Toseland, RW, O'Donnell, JC, Engelhardt, JE, **Richie, JT**, Jue, D, and Banks, S. (1997). Outpatient geriatric evaluation and management: Is there an investment effect? *The Gerontologist*, 37(3), 324-332.

Engelhardt, JE, Toseland, RW, O'Donnell, JC, **Richie, JT**, Jue, D, and Banks, S. (1997). Duplicate publication of data (letter). *Journal of the American Geriatrics Society*, 45(2), 250.\*\*\*

Engelhardt, JE, Toseland, RW, O'Donnell, JC, **Richie, JT**, Jue, D, and Banks, S. (1996). The effectiveness and efficiency of outpatient geriatric evaluation and management. *Journal of the American Geriatrics Society*, 44(7), 847-856.

Toseland, RW, O'Donnell, JC, Engelhardt, JE, Hendler, SA, **Thomley, JE**, and Jue, D. (1996). Outpatient geriatric evaluation and management: Results of a randomized trial. *Medical Care*, 34(6), 624-640.

Toseland, RW, O'Donnell, JC, Engenhardt, JB, Hendler, SA, **Thomley, JE**, and Jue, D. (1994). The short-term impact of geriatric evaluation and management in an outpatient clinic: Results of a randomized trial. In Rey, JC and Tilquin, C (Eds), *SYSTED '94: Proceedings of the 5th International Conference on Systems Science in Health-Social Services for the Elderly and the Disabled*. Geneva: Swiss Institute for Public Health Press.

Baron, RA and **Thomley, JE**. (1994). A whiff of reality: Positive affect as a potential mediator of pleasant fragrances on task performance and helping. *Environment and Behavior*, 26(6), 776-784.

\* Volume XVII(1) of this journal was a special issue dedicated to popular culture in the mathematics classroom.

\*\* Volume 46(3) of this journal was a special issue dedicated to technology management in the health care sector.

\*\*\* This letter was a response to an incorrect assertion of inappropriate duplicate publication of experimental results.

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## PRESENTATIONS AND WORKSHOPS

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### Conferences and Meetings

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**Thomley, JE** and Searcy, ME. (2007). *The National Computational Science Institute: The Development of a Professional Community*. The 8th International Conference on Technology in Mathematics Teaching (ICTMT8), Hradec Králové, Czech Republic.

Searcy, ME and **Thomley, JE**. (2007). *Barriers to Interdisciplinary Computational Innovations in Education*. The 8th International Conference on Technology in Mathematics Teaching (ICTMT8), Hradec Králové, Czech Republic.

Huyler, AG, Neufeld, HS, Burkey, KO and Thomley, JE. (2007). *The Lack of Effect of Chronic and Acute Short-Term Ozone Exposures on the Antioxidant Content of Tulip Poplar, Liriodendron Tulipifera*. The 39th Air Pollution Workshop, Guadalajara, Mexico.

Greenwald, SJ and **Thomley, JE**. (2006). *Mathematics in the Whedonverses*. The 2nd *Slayage* Conference on the Whedonverses, Barnesville, GA.

- Thomley, JE.** (2006). *A Brief Introduction to Social Networks*. North Carolina Mini Conference on Combinatorics, Graph Theory and Computing, Boone, NC.
- Searcy, ME, **Thomley, JE** and Greenwald, SJ. (2006). *Mathematics and Science in the Whedon Universe (Buffy the Vampire Slayer, Angel, and Firefly)*. The Mathematical Association of America (MAA) and American Mathematical Society (AMS) Joint Mathematics Meeting, San Antonio, TX.
- St. John, K, **Thomley, JE**, Westerhold, T, Flower, BP, and Krissek, L. (2005). *Time Series Analysis of Ice-Rafted Debris Accumulation in the Irminger Basin, 0-630 ka*. American Geophysical Union (AGU) Annual Meeting, San Francisco, CA.
- Searcy, ME and **Richie, JT.** (2004). *Investigating the Development of a Computational Science Education Community*. The North American Chapter of the International Group for the Psychology of Mathematics Education (PMENA) Conference, Toronto, Canada.
- Richie, JT.** (2004). *Teaching Circular Statistics to Undergraduates: Where Do the Rattlesnakes Go?* Hawaii International Conference on Statistics, Mathematics and Related Fields, Honolulu, HI.
- Searcy, ME and **Richie, JT.** (2004). *The Notion of Community in United States Computational Science Education Objectives*. International Conference on Computational Science (ICCS), Krakow, Poland.
- St. John, K, **Richie, JT**, Flower, BP, and Krissek, L. (2003). *Orbital and Sub-Orbital Periodicities in East Greenland Ice-Rafting Since 630 ka*. American Geophysical Union (AGU) Annual Meeting, San Francisco, CA.
- Richie, JT.** (2003). *Go for the Gold: Statistics Activities Using Olympic Data*. North Carolina Council of Teachers of Mathematics (NCCTM) State Conference, Greensboro, NC.
- Hahn, DC, Wingfield, JC, Fox, D, Walker, BG, and **Richie, JT.** (2003). *Environmental Endocrinology and Invasive Cowbird Species*. Ecological Society of America Meeting, Savannah, GA.
- Richie, JT.** (2001). *Statistics and the TI-83 Plus Workshop*. North Carolina Mathematics Association of Two-Year Colleges (NCMATYC)/South Carolina Mathematics Association of Two-Year Colleges (SOCMATYC) Conference, Spindale, NC.
- Richie, JT.** (2001). *Statistical Data Analysis Using the TI83 Plus Workshop*. North Carolina Council of Teachers of Mathematics (NCCTM) Western Region Conference, Asheville, NC.
- Richie, JT** and Raghavachari, M. (1999). *Canonical Correlation Analysis for Rank Order Data*. Joint Statistical Meetings (JSM), Baltimore, MD.
- Richie, JT** and Raghavachari, M. (1998). *Factor Analysis Using Rank Correlation Matrices*. Institute for Operations Research and the Management Sciences (INFORMS) Conference, Montreal, Quebec, Canada.
- Richie, JT** and Raghavachari, M. (1998). *Factor Analysis Using Rank Correlation Matrices*. American Statistical Association (ASA) Conference – Albany Chapter, Albany, NY.
- Thomley, JE**, Engelhardt, JB, Toseland, RW, O'Donnell, JC, Hendler, SA, and Jue, D. (1994). *The short-term impact of geriatric evaluation and management in an outpatient clinic: Results of a randomized trial*. Department of Veterans Affairs Research and Development Services Chautauqua Conference, White River Junction, VT.

**Thomley, JE.** (2007). *Basic Design of Experiments and Two Examples of Research Using Mathematics and Statistics*. Summer Ventures in Science and Mathematics Program.

**Thomley, JE.** (2006). *Statistics, Rattlesnakes and Kevin Bacon*. Appalachian State University Vertically Integrated Workshop for Women in Mathematics.

**Richie, JT.** (2004). *Univariate Data Analysis and Discrete Probability*. Advanced Functions and Modeling Workshop Series for High School Mathematics Teachers.

**Richie, JT.** (2003). *Some Interesting Regression Examples for Introductory Statistics*. Department of Mathematical Sciences Graduate Seminar Series.

**Richie, JT.** (2003). *Gambling Doesn't Pay*. Watauga College Misfit Lecture Series.

**Richie, JT.** (2002). *Discrete Probability*. Discrete Mathematics Workshop Series for High School Mathematics Teachers.

**Richie, JT.** (2001). *Using Projects in Introductory Statistics Classes*. Department of Mathematical Sciences Pedagogy Seminar Series.

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## **EXTERNAL GRANTS (Funded)**

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### **Principal Investigator/Author**

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Greenwald, SJ, Hirst, HP, Mawhinney, KJ, Palmer, KM, **Thomley, JE** and Williams, VL. (2006). *Appalachian State Vertically Integrated Workshop for Women*. Mathematical Association of America/Tensor Foundation Grant: \$3,100.

Greenwald, SJ, Hirst, HP, Mawhinney, KJ, Palmer, KM, **Thomley, JE** and Williams, VL. (2005). *Appalachian State Vertically Integrated Workshop for Women*. Mathematical Association of America/Tensor Foundation Grant: \$3,000.

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### **Evaluator**

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Babiyak, CM, Sigmann, SB, and Tuberty, SR (ASU). *Improving Laboratory Experiences for Science Majors and Non-Majors at Appalachian State University through Implementation of Inquiry-Based Learning with State of the Art Equipment* (DUE #0633550). The National Science Foundation: \$75,000 [Evaluator 2007 to Present]

Stuart, AE (UNC Chapel Hill). *Neurons in Action Version 2: Understanding the Behavior of Normal and Abnormal Neurons* (DUE # 0442748). The National Science Foundation: \$379,561. [Evaluator 2007 to Present]

DeBellis, VA (Shodor Education Foundation). *Discrete Mathematics for Prospective K-8 Teachers* (DUE #0443317). The National Science Foundation: \$267,539. [Evaluator 2006 to Present]

Gordon, SI (Ohio Supercomputer Center), Carey, CM (Ohio Learning Network) and Vakalis, IE (Capital University). *CI-Team: Leveraging Cyberinfrastructure to Scale-Up a Computational Science Undergraduate Curriculum* (OCI #0537405). The National Science Foundation: \$250,000. [Evaluator 2006 to Present]

Panoff, RM (Shodor Education Foundation) and Hirst, HP (ASU and Shodor Education Foundation). *The National Computational Science Institute* (DUE #0127488). The National Science Foundation: \$2,757,944. [Evaluator 2002 to 2005]

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## **EXTERNAL GRANTS (Under Review)**

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### **Evaluator**

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Gray, PA (University of Northern Iowa), Joiner, DA (Kean University), Murphy, TP (Contra Costa College) and Peck, CF (Earlham College). *Focus on Education in High Performance Computing*. The National Science Foundation. [Submitted 2006]

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## EXTERNAL GRANTS (Not Funded)

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### Principal Investigator/Author

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Searcy, ME and **Thomley, JE**. *Investigating Communication to Reduce Uncertainty Associated with Computational Science Education Innovation in Undergraduate-Serving Institutions*. The National Science Foundation. [2005]

**Richie, JT**. *A Proposal for a Five-Day Statistics Short Course*. Demana/Waits College Short Course Program, The Ohio State University. [2000]

**Richie, JT**. *T<sup>3</sup> – Teachers Teaching with Technology: AP Statistics Institute*. Texas Instruments. [2000]

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### Evaluator

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Ross, AL (Sinclair Community College), Carey, CM (Ohio Learning Network) and Gordon, SI (Ohio Supercomputer Center). *CI-Team: A Cyber-Knowledge Workforce Certificate Program for Science, Engineering and Industry*. The National Science Foundation. [2006]

Greenwald, SJ and Roads, GS. *Website for Math History Across the Curriculum*. The National Science Foundation. [2005]

Charles, KH (City College of San Francisco). *Training College Faculty to Implement Multidisciplinary Computational Science Education Models/Simulations in the Classroom*. The National Science Foundation. [2004]

Warner, D (Clemson University), Mayer, J (University of Alabama), and Grisham, L (Leslie University). *A Probabilistic, Structural Model of Knowledge Growth: Development of Two Foundational Pillars*. The National Science Foundation. [2003]

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### Faculty Participant

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Holder, GN and Bennett, NS. *The STEM Scholars Program: A Proposal to Increase Successful Outcomes in Selected STEM Programs at Appalachian State University*. The National Science Foundation. [2003]

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## INTERNAL GRANTS (Funded)

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### Principal Investigator/Author

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**Thomley, JE**. (2005). *Textbooks for a Social Network Theory Special Topics Course*. Appalachian State University Faculty and Academic Development (FAD) Teaching Enhancement Grant: \$250.

Searcy, ME and **Richie, JT**. (2004). *Investigating the Development of a Computational Science Education Community*. Appalachian State University Research (URC) Council Competitive Grant: \$4,814.

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## SERVICE

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### Department / Interdepartment Service

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Advisor, Pi Mu Epsilon (PME), Inc. Currently serving as faculty co-advisor for the ASU chapter of PME – the

Fall 2001 to Present	National Mathematics Honor Society.
Advisor, Statistics Majors Fall 2001 to Present	Currently serving as faculty advisor to students majoring in statistics and (informally) students from other disciplines minoring in statistics.
Member, Mathematical Sciences Graduate Research Guidelines Committee, Spring 2007 to Present Member, Mathematical Sciences Travel Guidelines Committee Fall 2006	Currently constructing guidelines and procedures for graduate students in Mathematical Sciences who are planning to do either a product of learning project or directed research project as part of their graduate program. Created new guidelines for use by the department chair for making travel allocations within the Department of Mathematical Sciences.
Member, Mathematical Sciences Curriculum Review Committee Fall 2006	Reviewed proposals for several revised mathematical sciences major tracks in order to make further recommendations to the standing committee about the requirements and total number of hours in each track.
Member, Mathematical Sciences General Education Committee, Spring 2006	Produced a document for the University's General Education Task Force detailing the department's recommendations on what ASU's revised core curriculum should include, particularly with regard to quantitative issues.
Member, Mathematical Sciences Curriculum Steering Subcommittee for Math History, Spring 2006	Developed proposals for both two-hour and a three-hour courses in math history (as part of the overall curriculum revision) that would meet both department and external standards for Mathematical Sciences majors.
Member, Mathematical / Computer Sciences Scholarship Committee Spring 2004	Served as a member of the joint Mathematical Sciences/Computer Sciences Scholarship Committee, which awards scholarships intended for students in mathematical sciences and/or computer science.
Member, Mathematical Sciences Department Tea Committee Fall 2001 to Spring 2004	Served as an organizer for Thursday afternoon department teas. These teas are considered a valuable opportunity for students and faculty to mix in an informal setting and are an important part of the department culture.
Member, Mathematical Sciences Department Advisory Committee Fall 2001 to Spring 2003	Served as a member of the Departmental Advisory Committee, which met as needed to discuss issues relevant to the mission and/or function of the Mathematical Sciences Department and to advise the Chair on such matters.

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### **University Service**

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Advisor, Pagan Student Association Spring 2007 to Present	Currently serving as the faculty advisor for the Pagan Student Association, a multicultural student group whose purpose is to facilitate understanding and education about earth-based spirituality on the ASU campus.
Member, University Statistician Hiring/Development Committee Fall 2006 to Present	Currently developing a proposal for the hiring of a University Statistician and the development of a statistical consulting center at ASU to support student and faculty research.
Member, Graduate Council & Graduate Student Affairs Committee Fall 2006 to Spring 2007	Discuss and vote on the various issues relevant to the mission and function of the Graduate School. Also, review applications and select the recipients of various Graduate School scholarships and awards.
Member, Dean's Advisory Council & College of Arts & Sciences Council Fall 2002 to Spring 2005	Served as a member of the elected eight-person Dean's Advisory Council and the College of Arts & Sciences Council. Both groups discuss and A&S Council votes on issues relevant to the mission and function of the College.

Member, College of Arts & Sciences 2003-4 William C. Strickland Young Faculty Award Committee Fall 2004	Served as a member of the four-person William C. Strickland Young Faculty Award Committee, which selects the winner of the annual Strickland Young Faculty Award. Committee members were appointed by the Dean's Office from the membership of the Dean's Advisory Council.
Member, College of Arts & Sciences Faculty Reassigned Time Committee Spring 2003 to Fall 2003	Served as a member of the six-person Committee for Reassigned Time. The committee was charged with developing college-wide standards to be used when awarding reassigned time for research to faculty within the college.

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### Public Schools & Community Service

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Quality Assurance Team Western Youth Network Fall 2006 to Present	Review incident reports for Western Youth Network's afterschool program and make recommendations about follow-up and related policies. (Western Youth Network is a local non-profit youth services organization.)
NCCTM Math Fairs Spring 2001 to Present	Served as judge, photographer and/or general assistant to Fair Coordinator for North Carolina western regional and state math fairs.
Workshop Organizer, Mathematics Education Leadership Training (MELT) Program Summer 2001, 2002 and 2004	Organized week-long, statistics workshops as part of the MELT program at ASU, and in conjunction with the Teachers Teaching With Technology (T <sup>3</sup> ) program: AP Statistics (2001, 2004), aimed at high school math teachers, and Dealing With Data (2002) for middle-grades math and science teachers.

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### HONORS AND AWARDS

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- Calvin M. Woodward High School Alumni Hall of Fame (2006)
- Del and Ruth Karger Dissertation Prize, Department of Decision Sciences and Engineering Systems, Rensselaer Polytechnic Institute (2001)
- Outstanding Teaching Assistant (TA) Award for 1999-2000, Department of Decision Sciences and Engineering Systems, Rensselaer Polytechnic Institute (2000)
- Rensselaer Founders Award of Excellence (1999)
- Outstanding Student Paper – Honorable Mention, Portland International Conference on Management of Engineering and Technology (PICMET) '97
- Alpha Pi Mu Industrial Engineering Honor Society (1996)
- Rensselaer Graduate School Fellowship (1995)
- Veterans Administration Outstanding Rating Certificate (1993, 1994, 1995)
- Rensselaer Merit Scholarship (1990)
- National Merit Scholarship (1986)

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### CURRENT PROFESSIONAL MEMBERSHIPS

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- American Statistical Association
- North Carolina Council of Teachers of Mathematics