

KAREN KARP

College of Education and Human Development
University of Louisville
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ACADEMIC BACKGROUND

Doctor of Education Hofstra University – Hempstead, New York
Major: Educational Administration and Policy Studies
Dissertation Title: *The Teaching of Elementary School Mathematics: The Relationship Between How Mathematics is Taught and Teacher Attitudes*

Master of Science Adelphi University – Garden City, New York
Major: Special Education

Bachelor of Science Adelphi University – Garden City, New York
Major: Elementary Education
Concentration: Mathematics and Science

PROFESSIONAL EXPERIENCE

University of Louisville
2003-Present **Chair**, Department of Teaching and Learning
2001-Present **Professor**, Mathematics Education
1994-2001 **Assistant/Associate Professor**, Mathematics Education

Indiana University Southeast
1992-1994 **Assistant Professor**, Mathematics Education

Adelphi University
1987-1992 **Assistant Professor**, Mathematics and Science Education
1987-1988 **Assistant to the Dean**, School of Education
1985-1987 **Instructor**, Elementary Mathematics and Science Education
1984-1985 **Adjunct Instructor**, Mathematics and Science Education

West Hempstead, New York Public Schools
1973-1978 **Elementary School Teacher**
1977-1978 **Administrative Intern**

Roslyn, New York Public Schools
1972-1973 **Mathematics Teacher**

RESEARCH AND SCHOLARLY ACTIVITY

BOOKS

Bay Williams, J. & **Karp, K.** (Eds.) (in press). *Growing Professionally: Readings from NCTM Publications for Grades K-8*. Reston, VA: National Council of Teachers of Mathematics.

Karp, K., Allen, C., Allen, L., & Brown, E. T. (1998). *Feisty females: Inspiring girls to think mathematically*. Portsmouth, NH: Heinemann Books.

Thompson, C. & **Karp, K.** and others. (1998). *Math central – Grades K-6*. Boston, MA: Houghton Mifflin.

BOOK CHAPTERS

Molfese, V. & **Karp, K.** (2006). Elements of a successful proposal. In E. Kulkowski and L. Chronister (Eds.), *Research administration and management*. (pp. 271-286) Boston, MA: Jones and Bartlett Publishers.

Karp, K., Allen, C., Allen, L., & Brown, E. T. (2004). Feisty females: Using children's literature with strong female characters to create mathematics lessons. In Thiessen, D. (Ed.) *Exploring mathematics through literature*. (pp. 267-276). Reston, VA: NCTM.

Karp, K. (2004). Telling tales: Creating graphs from multicultural children's literature. In Thiessen, D. (Ed.) *Exploring mathematics through literature*. (pp. 257-266). Reston, VA: NCTM.

Karp, K. (2002). Gender and mathematics education. In D. Levinson, P. Cookson, & A. Sadovnik (Eds.), *Education and sociology: An encyclopedia* (pp. 281-288). New York: Routledge Falmer.

Karp, K. (2000). Females + mathematics = A complex equation. (revision) In A. Sadovnik, P. Cookson & S. Semel (Eds.), *Exploring education*. 2nd Edition (pp. 471-483). Boston, MA: Allyn and Bacon.

Karp, K. (2000). Weaving lessons: Strategies for teaching mathematics and science in inclusive settings. In S. Wade (Ed.) *Inclusive education: A casebook and readings for prospective and practicing teachers*. (pp. 29-49). Hillsdale, NJ: Lawrence Erlbaum.

Voltz, D. & **Karp, K.** (1999). Windows and mirrors: Preparing teachers for diversity. In E. B. Vold (Ed.), *Preparing teachers for diverse student populations and for equity*. (pp. 29-40). Dubuque, IA: Kendall Hunt Publishers.

Karp, K. & Huinker, D. (1999). Portfolios as agents of change. In A. R. Teppo (Ed.) *Reflecting on Practice in Elementary School Mathematics: Readings from NCTM's School-Based Journals and Other Publications*. (pp. 73-77). Reston, VA: NCTM.

- Karp, K.** (1998). Putting the heart in mathematics: Adding stories about girls. In R. Shagoury Hubbard, M. Barbieri, and B. Miller Power (Eds.), *"We want to be known"- Learning from adolescent girls.* (pp. 63-74). York, ME: Stenhouse Publishers.
- Karp, K.** (1994). Females + mathematics = A complex equation. In A. Sadovnik, P. Cookson & S. Semel (Eds.), *Exploring education.* (pp. 471-483). Boston, MA: Allyn and Bacon.
- Shakeshaft, C., Campbell P., & **Karp, K.** (1992). The impact of sexism and racism in educational research. In M. Alkin (Ed.), *Encyclopedia of educational research.* (pp. 1210-1216). New York: American Educational Research Association, Macmillan Publishing Company.

REFEREED JOURNAL ARTICLES

- Brown, E. T., **Karp, K.**, Petrosko, J., Jones, J., Beswick, G., Howe, C. & Zwanzig, K. (2007). Crutch or catalyst: Teacher beliefs and practices regarding calculator use in mathematics instruction. *School Science and Mathematics*, 107(3), 102-122.
- Karp, K.** & Howell, P. (2004). Building student responsibility for learning in students with special needs. *Teaching Children Mathematics*, 11(3), 118-126. .
- Molfese, V., **Karp, K.**, & Siegel, L. (2002). Recommendations for writing successful proposals from the reviewer's perspective. *The Journal of Research Administration*, 32 (3), 21-24.
- Stroble, E. & **Karp, K.** (February 5, 2002). Professional development that mingles word wizards and number crunchers. *The NCTE Inbox*, 1(19) (reprint).
- Karp, K.** & Brown, E. T. (2001). Geo – Dolls: Traveling in a mathematical world. *Teaching Children Mathematics*, 8(3), 132-138.
- Ronau, R. & **Karp, K.** (2001). The power over trash: Integrating mathematics, science and children's literature. *Teaching Mathematics in the Middle School*, 7(1), 26-31.
- Stroble, E. & **Karp, K.** (2001). Professional development that mingles word wizards and number crunchers. *English Education*, 33(3), 233-245.
- Karp, K.** & Niemi, R. (2000). The math club for girls and other problem solvers. *Teaching Mathematics in the Middle School*, 5(7), 426-432.
- Karp, K.** & Voltz, D. (2000). Weaving mathematics instructional strategies into inclusive settings. *Intervention in School and Clinic*, 35(4), 206-215.
- Karp, K.**, Allen, C., Allen, L., & Brown, E. T. (1998). Feisty females: Using children's literature with strong female characters to create mathematics lessons. *Teaching Children Mathematics*, 5(2), 88-94.
- Karp, K.** & Ronau, R. (1997). Birthdays and the binary system: A magical mixture. *Mathematics Teaching in the Middle School*, 3(1), 6-12.

- Karp, K.** & Shakeshaft, C. (1997). Restructuring schools to make them math-friendly to females. *National Association of Secondary School Principals (NAASP) Bulletin*, 81(586), 84-93.
- Karp, K.** & Huinker, D. (1997). Portfolios as agents of change. *Teaching Children Mathematics*, 3(5), 224-228.
- Karp, K.** (May 1996). Subtle messages: The impact that elementary teachers' attitudes toward mathematics have on their practice and their female students' learning. *The New England Journal of Mathematics - Special Issue on Gender Equity*, 28(1), 4-18.
- Huinker, D. & **Karp, K.** (Fall 1995). Assessment practices in elementary mathematics teacher preparation. *AMTE News - Newsletter of the Association of Mathematics Teacher Educators*, 4(1), 8-10.
- Karp, K.** (October 1994). Telling tales: Creating graphs from multicultural children's literature. *Teaching Children Mathematics*, 1(2), 84-92.
- Karp, K.** (1994) Nurturing mathematics problem solvers. *Learningland*, 3(3), 1.
- Karp, K.** & Shakeshaft, C. (Winter/Spring 1994). Mental rotation: Restructuring schools to be math friendly to females. *Kentucky Council of Teachers of Mathematics Journal*, 4-15.
- Karp, K.** & Thornburg, D. (1992). Lessons learned: (mathematics + science + higher-order thinking) X second-language learning = ? *Journal of Educational Issues of Language Minority Students, Special Issue - Real Issues in Real Classrooms*, 10, 159-184.
- Karp, K.** (1991). Elementary school teachers' attitudes toward mathematics: Impact on students' autonomous learning skills. *School Science and Mathematics*, 91(6), 265-270.

INVITED JOURNAL ARTICLES

- Brown, E. T., McGatha, M., & **Karp, K.** (2006). Assessing teachers' knowledge: Diagnostic mathematics assessments for elementary and middle school teachers. *New England Mathematics Journal*, 38(2), 37-50.
- Karp, K. (2004). Preparing mathematics teachers to use technology. *AMTE Connections*, 14(1), 1, 10-13.
- Karp, K. (2004). What works: Supporting mathematics teacher educators. *AMTE Connections*, 13(3), 1, 5.
- Karp, K. (2004). AMTE's role in doctoral programs in mathematics education. *AMTE Connections*, 13(1), 1, 6-8.

Karp, K. (2003). Moving to the forefront: Teaching mathematics in the middle grades. *AMTE Connections*, 12(4), 1, 8.

Karp, K. (2003). Reaching across campus: Mathematics departments and education departments collaborate. *AMTE Connections*, 12(3), 1, 8.

Karp, K. (2003). Preparing highly qualified mathematics teachers. *AMTE Connections*, 12(2), 1, 8.

REFEREED JOURNAL ARTICLES AND CHAPTERS - SUBMITTED

Jung, E., Brown, E. T., & **Karp, K.** Early mathematics learning: Influences of teacher characteristics and school resources. Submitted to *Journal of Research in Childhood Education*.

WORK IN PROGRESS

Van de Walle, J. Karp, K., & Bay-Williams, J. (in development). *Elementary and middle school mathematics: Teaching developmentally (Seventh Edition)*. New York: Allyn & Bacon.

Karp, K., Fennell, F. & Mitchell, N. A Profile of the Profession: Who's teaching the future teachers of mathematics? In preparation for *Journal of Mathematics Teacher Education*.

Ronau, R., **Karp, K.**, & Petrosko, J. Mathematical Olympiads: A male-dominated sport? In preparation for *School Science and Mathematics*.

Stroble, E. & **Karp, K.** *Knowing leaders: Stories of women in higher education*.

Karp, K. & Thompson, C. Open-ended tasks – Fostering reasoning, communication and mathematical thinking. In preparation for submission to *Teaching Children Mathematics*.

GRANT FUNDING – EXTERNAL - (\$1,253,925 total)

You've Got the Write One: A Summer Portfolio Institute. (2008). Pepsi Cola General Bottlers. \$10,000. Co-Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2007). Pepsi Cola General Bottlers. \$15,000. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2006). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2005). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2004). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2003). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

Who's Teaching the Mathematics Teachers? (2002-2003). Mathematics Education Trust. \$1500. Co-Principal Investigator (with F. Fennell).

Development of Reading and Mathematical Skills in Early Childhood: The Role of Cognitive Development, Educational and Social Environmental Variables. (2000-2003). United States Department of Education (\$1,387,500). Co-Principal Investigator (with T. Molfese, D. Molfese and C. Thompson).

You've Got the Write One: A Summer Portfolio Institute. (2002). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2001). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (2000). Pepsi Cola General Bottlers. \$10,000. Principal Investigator.

Mathematics and Science for All. (1999-2000). Kentucky Council on Higher Education's Dwight D. Eisenhower Program. \$49,016. Principal Investigator.

You've Got the Write One: A Summer Portfolio Institute. (1999). Pepsi Cola General Bottlers' Foundation. \$10,000. Principal Investigator.

Mathematics and Science for All. (1998-1999). Kentucky Council on Higher Education's Dwight D. Eisenhower Program. \$43,116. Principal Investigator.

You've Got the Write One - Portfolio Institute. (1998). Pepsi Cola General Bottlers Corporation. \$10,000. Co-Principal Investigator (with E. Stroble).

Mathematics and Science for All. (1997-1998). Kentucky Council on Higher Education Dwight D. Eisenhower Grant. \$50,000. Principal Investigator.

You've Got the Write One - Portfolio Institute. (1997). Pepsi Cola General Bottlers Corporation. \$6,000. Co-Principal Investigator (with E. Stroble).

Mathematics and Science for All. (1996-1997). Kentucky Council on Higher Education's Dwight D. Eisenhower Program. \$48,000. Principal Investigator.

Science and Mathematics for Everyone: Integrating Methods for Children with Special Needs into the Elementary Pre-Service Curriculum. (1995-1997). Joseph P. Kennedy, Jr. Foundation. \$88,000. Principal Investigator.

You've Got the Write One - Portfolio Institute. (1996). Pepsi Cola General Bottlers Corporation. \$5,000. Co-Principal Investigator (with E. Stroble).

Feisty Females. (1995-1996). Kentucky Department of Education Multicultural Opportunity Block Grant. \$1,600. Principal Investigator.

Mathematics and Science for All. (1995-1996). Kentucky Council on Higher Education Dwight D. Eisenhower Grant. \$35,000. Principal Investigator.

You've Got the Write One - Portfolio Institute. (1995). Pepsi Cola General Bottlers Corporation. \$10,000. Co-Principal Investigator (with E. Stroble).

Teacher Education Equity Project (NSF funded). (1994-1996) Using Children's Literature with Female Protagonists as a Springboard for Mathematics Lessons. (Project Director of Overall Grant – J. Sanders) \$750.

Multicultural Children's Literature: A Window to Diverse Realities. (1994-1995). Indiana Consortium for International Programs ICIP. \$1,000. Principal Investigator.

Project S.A.M.E. - Science and Mathematics for Everyone: Collaborative Teams Engaged in Instructing Special Needs Students. (1993-1994). Indiana State Commission for Higher Education Dwight D. Eisenhower Mathematics and Science Education Program. \$46,943. Principal Investigator.

Cognitive Instruction in Mathematics and Science for Second Language Learners. (1993-1994). New York State Dwight D. Eisenhower Title IIA Higher Education Competitive Local/Regional Inservice Project. \$40,000. Principal Investigator.

Cognitive Instruction in Mathematics and Science for Second Language Learners. (1992-1993). New York State Dwight D. Eisenhower Title IIA Higher Education Competitive Local/Regional Inservice Project. \$50,000. Principal Investigator.

Cognitive Instruction in Mathematics and Science for Second Language Learners. (1991-1992). New York State Dwight D. Eisenhower Title IIA Higher Education Competitive Local/Regional Inservice Project. \$46,500. Principal Investigator.

Cognitive Instruction in Mathematics and Science for Second Language Learners. (1990-1991). New York State Dwight D. Eisenhower Title IIA Higher Education Competitive Local/Regional Inservice Project. \$40,000. Principal Investigator.

GRANT FUNDING - INTERNAL - (\$52,492 total)

Calculators for the Very Young Child. (2002-2003). Technology Grant (\$495) (with C. Thompson).

Software to Use with Young Children. (2002-2003). University of Louisville College of Education Technology Mini Grants (\$520) (with C. Thompson).

Society for Research Administration. (2002). U of L President's Grant for Professional Development Grant (\$1302).

Graphing Calculators in the Middle School. (2002). University of Louisville College of Education Technology Mini Grants (\$1245) (with C. Thompson).

Exploring Real-World Data. (2001-2002). JCPS/ U of L Partnership Grant. \$10,000. (with J. Jones and G. Beswick).

Developing Problem Solving Skills. (2001-2002). JCPS/ U of L Partnership Grant. \$10,202. (with T. Brown).

(Em)bodied by Curriculum: Girls and Women in the Media. (2001-2002). University of Louisville CEHD Technology Mini Grants \$600. (with H. Longwell-Grice).

Calculator Survey Project. (2001). Teaching and Learning Research Fund. \$1000.

Interactive Mathematics. (1999-2000). University of Louisville School of Education Technology Mini Grants \$570. (with C. Thompson).

Data Representation. (1999-2000). University of Louisville School of Education Technology Mini Grants \$480. (with R. Ronau).

Faculty Research Mentoring Program (1999-2000). \$2000. With A. Baroody at University of Illinois – Urbana - Champaign.

Knowing Leaders. (1999-2000). University of Louisville Research on Women Grant. \$3,925. Co –Principal Investigator (with E. Stroble).

Knowing Leaders. (1999-2000). University of Louisville School of Education Research and Faculty Development Grant. \$3,205. Co –Principal Investigator (with E. Stroble).

Cyber-Girls. (1998-1999). University of Louisville School of Education Technology Mini Grants \$500. (with C. Thompson).

Balance and Breadth. (1998-1999). University of Louisville School of Education Technology Mini Grants \$590. (with C. Thompson).

Mathematics For Girls. (1998). Multicultural Education/Equity Studies Faculty Development Grant - Early and Middle Childhood Education. \$300.

Linking Mathematics and Writing Through Technology. (1997-1998). University of Louisville School of Education Technology Mini Grants. \$500. (with E. Stroble).

Mathematics and Technology. (1997-1998). University of Louisville School of Education Technology Mini Grants \$500. (with C. Thompson).

Math for Girls and Other Problem Solvers. (1996-1998). JCPS/ U of L Coordinating Committee for Collaborative Ventures. \$7,568. (with R. Niemi).

Technology in the Middle School Mathematics Methods Course. (1995-1996). University of Louisville School of Education Technology Mini Grants \$650. (with R. Ronau).

Multicultural Children's Literature: A Window to Diverse Realities. (1993-1994). Indiana University Southeast Diversity in the Curriculum Grant. \$1,500.

Multicultural Children's Literature: A Window to Diverse Realities. (1993-1994). Indiana University Southeast Innovative Teaching Grant. \$850.

Meaningful Mathematics Teaching. (1994-1995). Indiana University Southeast Faculty Fellowship. \$3,400.

Multicultural Children's Literature: A Window to Diverse Realities. (1993-1994). Indiana University Southeast Improvement of Learning Grant. \$350.

Computer Integration in Elementary Mathematics and Science Methods. (1993-1994). Indiana University Southeast Improvement of Learning Grant. \$500.

GRANT REVIEW PANELS

National Science Foundation – IMD – Instructional Materials Development, 2004
Panel Co-Chair - 2004

National Science Foundation – TPC – Teacher Professional Continuum, 2003

National Science Foundation – MSP – Mathematics and Science Partnership, 2002
Panel Chair – 2002

National Science Foundation – Teacher Enhancement - Conference Review, 1999

National Science Foundation - Teacher Enhancement - Conference Review, 1998

REFEREED PRESENTATIONS – INTERNATIONAL AND NATIONAL

Preparing New Teachers for the Mathematics Classroom. Presentation to be given (with J. Bay-Williams) to the Annual Meeting of the Association of Mathematics Teacher Educators, April 2008, Salt Lake City, UT

Articles with a High Probability of Enhancing Teachers' Learning. Presentation to be given (with J. Bay-Williams) to the Annual Meeting of the National Council of Teachers of Mathematics, April 2008, Salt Lake City, UT

Ideas for Promoting Mathematical Proficiency. Presentation to be given (with E. Brown) to the Annual Meeting of the National Council of Teachers of Mathematics, April 2008, Salt Lake City, UT.

Developing a Disposition Assessment System: A Comprehensive Approach. Presentation given (with E. Jung, A. Larson, V. Molfese, C. Thompson, & C. Kolander) to the Annual Meeting of the AACTE, February 2008, New Orleans, LA.

The Role of Professional Readings in Teacher Learning. Presentation given (with J. Bay-Williams) to the Annual Meeting of the Association of Mathematics Teacher Educators, January 2008, Tulsa, OK

Early Mathematics Learning: Influences of Teacher Characteristics and School Resources. Presentation given (with E. Jung and E. Brown) to the Annual Meeting of the American Educational Research Association, Chicago, IL April 2007.

Linking Mathematics, Writing and Technology: A Professional Development Experience. Presentation given (with E. Brown) to the Annual Meeting of the National Council of Teachers of Mathematics, March 2007, Atlanta, GA.

Using Hallmark Assessments to Strengthen Educator Preparation Programs. Presentation to given (with C. Kolander) to the Annual Meeting of the AACTE, February 2007, New York, NY.

What Mathematics do Elementary Teachers Really Need to Know? Presentation given (with C. Thompson, M. McGatha, B. Bush and E. Brown) to the Annual Meeting of the Association of Mathematics Teacher Educators, January 2007, Irvine, CA.

Focusing on Stewardship of Place to Develop Quality Undergraduate Teacher Education Programs. Presentation given (with N. Stiglitz, R. Felner, L. Bailey, and T. Dumas) to the Annual Meeting of the Holmes Partnership. February 2006, Chicago, IL.

Educators Prepared for the Future Project: A Data-Driven, Evidence-Based Professional Development Model. Presentation given (with E. Jung, L. Bailey, C. Kolander and M. Munoz) to the Annual Meeting of the Holmes Partnership. February 2006, Chicago, IL.

Advancing the Public Agenda: A Partnership that Benefits All. Presentation given (with E. Jung, L. Bailey, C. Kolander and M. Munoz) to the Annual Meeting of the Holmes Partnership. February 2006, Chicago, IL.

Creating Integrative Assessment and Accountability Models for Large Colleges of Education in Research Institutions. Presentation given (with C. Kolander and N. Stiglitz) to the Annual Meeting of the American Association of Colleges of Teacher Education. January 2006, San Diego, California.

What Mathematics do Elementary Teachers Really Need to Know? Presentation given (with C. Thompson, M. McGatha, B. Bush, R. Ronau and E. Brown) to the Annual Meeting of the Association of Mathematics Teacher Educators. January 2006, Tampa, Florida.

Using Diagnostic Assessments with Middle Grades Mathematics Teachers. Presentation given (with C. Thompson, M. McGatha, B. Bush, R. Ronau and E. Brown) to the Annual Meeting of the Association of Mathematics Teacher Educators. January 2006, Tampa, Florida

Assessing Middle School Teachers' Knowledge of Mathematics. Presentation given (with B. Bush, M. McGatha, E. Brown, R. Ronau, C. Thompson) at the Annual Meeting of the National Council of Teachers of Mathematics, April 2005, Anaheim, California.

Integrating Mathematics and Science in the Middle Grades. Presentation given (with C. Thompson) to the Annual Meeting of the National Council of Teachers of Mathematics, April 2005, Anaheim, California.

The Reliability and Validity of Diagnostic Mathematics Assessments for Middle School Teachers. Presentation given (with B. Bush, E. Brown, M. McGatha, V. Moody, R. Ronau and C. Thompson) at the Annual Meeting of the American Educational Research Association, April 2005, Montreal, Canada.

What Information is Needed on Institutional Doctoral Programs in Mathematics Education? Presentation given (with, S. Cooper, A. Flores, S. Gay, F. Lester, & B. Reys) at the Annual Meeting of the Association of Mathematics Teacher Educators, January 2005, Dallas, Texas.

Women in Higher Education Administration. Presentation given (with B. Stroble) at the Annual Meeting of the Research on Women in Education (AERA), October 2004, Cleveland, Ohio.

Integrating Mathematics, Social Studies and Children's Literature. Presentation given (with C. Thompson) at the Annual Meeting of the National Council of Teachers of Mathematics, April 2004, Philadelphia, Pennsylvania.

Diagnostic Teacher Assessments for Middle Grades Mathematics Teachers. Presentation given (with B. Bush, C. Thompson, M. McGatha & R. Ronau) at the Annual Meeting of the Association of Mathematics Teacher Educators, April 2004, Philadelphia, PA.

Considerations and Questions for the Professional Development of Future and Current Mathematics Teachers. Presentation given (with N. Bezuk, J. Caldwell, F. Fennell, & S. Gay) at the Annual Meeting of the National Association of Supervisors of Mathematics, April 2004, Philadelphia, Pennsylvania.

Moving Forward: Winning the Job you Want. Presentation given (with T. Molfese) at the Annual Meeting of the Society of Research Administrators, October 2003, Pittsburgh, Pennsylvania.

Pathways to Mathematical Knowledge for Preschool Children. Presentation given (with T. Brown and V. Molfese) at the Annual Meeting of the American Educational Research Association, April 2003, Chicago, Illinois.

The Teacher Education Community: Past, Present, Promise. Presentation given at the Annual Meeting of the National Council of Teachers of Mathematics, April 2003, San Antonio, Texas.

Using Children's Literature to Develop Proportional Thinking. Presentation given (with C. Thompson) at the Annual Meeting of the National Council of Teachers of Mathematics, April 2003, San Antonio, Texas.

Elements of a Successful Proposal: Helping Proposal Writers Succeed. Presentation given (with T. Molfese) at the Annual Meeting of the Society of Research Administrators, October 2002, Orlando, Florida.

Solving Intriguing Real-World Problems that Yield Counterintuitive Results. Presentation given (with C. Thompson) at the Annual Meeting of the National Council of Teachers of Mathematics, April 2002, Las Vegas, Nevada.

Pushing Buttons or Pushing the Envelope: Using Calculators in the Math Classroom. Presentation given at the Annual Meeting of the National Council of Supervisors of Mathematics, April 2002, Las Vegas, Nevada.

Crutch or Catalyst: Teachers Beliefs and Practices Regarding Calculator Use in Mathematics Instruction. Presentation given at the Annual Meeting of the American Educational Research Association, April 2002, New Orleans, Louisiana.

From the Reviewer's Perspective: Elements of a Successful Proposal. (with T. Molfese & L. Siegel) Presentation given at the Annual Meeting of the Society of Research Administrators, October 2001, Vancouver, British Columbia.

Knowing Leaders: Women in Higher Education Administration. (with B. Stroble) Presentation given at the Annual Meeting of the American Educational Research Association, April 2001, Seattle, Washington.

Exploring Numbers and Stories with the Emerging Mathematician. Presentation given (with T. Brown) at the Annual Conference of the National Council of Teachers of Mathematics, April 2001, Orlando, Florida.

Special Needs Students and Mathematics. Presentation given (with F. Fennell and E. Rathmell) at the Annual Conference of the National Council of Teachers of Mathematics, April 2001, Orlando, Florida.

Inspiring Girls to Think Mathematically. Special presentation sponsored by the Women and Mathematics Education SIG given at the Annual Conference of the National Council of Teachers of Mathematics, April 1999, San Francisco, California.

Feisty Females: Using Children's Literature About Strong Female Characters to Teach Mathematics. Presentation given (with L. Allen and T. Brown) at the Annual Conference of the National Council of Teachers of Mathematics, April 1998, Washington, DC.

Adapting Mathematics Instruction for Students with Special Needs in Inclusive Classrooms. Presentation given (with P. Howell) at the Annual Conference of the National Council of Teachers of Mathematics, April 1997, Minneapolis, Minnesota.

Strategies to Create a Culture of Consensus Across Multiple Boundaries. Paper presented (with B. Stroble) at the Special Meeting of the National Council of Teachers of English - Portfolios: Conflict and Consensus, January 1997, New Orleans, Louisiana.

Mixing Mathematics and Children's Literature. Presentation given at the Annual Conference of the National Council of Teachers of Mathematics, April 1995, Boston, Massachusetts.

Developing the Assessment Component of Pre-Service Early Childhood-Elementary Mathematics Methods Courses. A special session of the Association of Mathematics Teacher Educators (with D. Huinker) A presentation given at the Annual Conference of the National Council of Supervisors of Mathematics, April 1995, Boston, MA.

Feisty Females: Positive Role Models in Children's Literature. (with T. Fields). Presentation given at the Annual Conference of the Association for Women in Psychology, March 1995, Indianapolis, Indiana.

Developing the Clinical Component of Early Childhood-Elementary Mathematics Methods Courses. A special session of the Association of Mathematics Teacher Educators (with D. Huinker) A presentation given at the Annual Conference of the National Council of Supervisors of Mathematics, April 1994, Indianapolis, Indiana.

Do Teachers Believe What They Say? Cognition and Language in Teacher In-Service Education. (with D. Thornburg) Paper presented at the Annual Meeting of the American Educational Research Association, April 1993, Atlanta, Georgia.

Mixing Mathematics and Children's Literature. Presentation given at the Annual Meeting of the National Council of Teachers of Mathematics, April 1993, Seattle, Washington.

Cooperative Learning in the Preparation of Elementary Teachers to Teach Mathematics. Paper presented at the Annual Meeting of the National Council of Supervisors of Mathematics, March 1993, Seattle, Washington.

Resituating Mathematics and Science Instruction for Language Different Students. (with D. Thornburg) Paper presented at the Annual Meeting of the American Educational Research Association, April 1992, San Francisco.

Finding Patterns, Relations, and Functions in Early Mathematics. Presentation given at the Annual Meeting of the National Council of Teachers of Mathematics, April 1992, Nashville, Tennessee.

Gender Issues in Preparing Elementary Teachers to Teach Mathematics. Paper presented at the Annual Meeting of the American Educational Research Association, April 1991, Chicago, Illinois.

Lessons Learned: Apprenticeship Approaches to Teaching Mathematics and Science to Bilingual Students. (with D. Thornburg). Paper presented at the Annual International Conference of the National Association for Bilingual Education. January 1991, Washington, D. C.

Manipulative Materials in the Primary Level Mathematics Lesson: Are There Viable Alternatives? Paper presented at the Annual Meeting of the American Educational Research Association, April 1990, Boston. (ERIC Document Reproduction Service No. ED 320 774).

The Impact of Female Teachers' Attitudes Toward Mathematics on Students' Autonomous Learning Skills. Paper presented at the Annual Meeting of the American Educational Research Association, March 1989, San Francisco. (ERIC Document Reproduction Service No. ED 307 156).

The Creation of Dependent vs. Independent Mathematics Learners: What Role Does Teacher Attitude Play? Paper presented at the Annual Meeting of the School Science and Mathematics Association, December 1988, Austin, Texas.

The Impact of Female Elementary School Teachers' Attitudes Toward Mathematics on Student Attitudes. Paper presented at the Annual American Educational Research Association's Research on Women in Education Conference, November 1988, Hofstra University.

A Comparison of Undergraduate and Graduate Student Teaching and Graduate Internship Models in Pre-Service Teacher Education (with A. Sadovnik and L. Golub). Paper presented at the Annual Meeting of the American Educational Research Association, April 1988, New Orleans.

Gender and Mathematics Instruction. Paper presented at the Annual Meeting of the Graduate Women's Studies Conference, March 1988, Rutgers University.

REFEREED PRESENTATIONS - REGIONAL

Who's Teaching the Future Mathematics Teachers? Presentation given (with F. Fennell) at the Regional Meeting of the National Council of Teachers of Mathematics, October 2004, Baltimore, Maryland.

Poems, Patterns and Problem Solving: A Mathway for Preschoolers. Presentation given (with E. T. Brown) at the Regional Meeting of the National Council of Teachers of Mathematics, October 2004, Baltimore, Maryland.

Proportional Reasoning Across the Curriculum. Presentation given (with C. Thompson) at the Southern Regional Conference of the National Council of Teachers of Mathematics, November 2003, Charleston, South Carolina.

Mathematics Across the Curriculum. Presentation given at the Annual Conference of LIMACON Long Island Mathematics Association Conference, March 2001, State University of New York at Old Westbury.

Inspiring Girls to Think Mathematically. Presentation given at the Western Regional Conference of The National Council of Teachers of Mathematics, July 1999, Honolulu, Hawaii.

Using Children's Literature About Strong Female Characters to Teach Math Presentation given (with T. Brown) at the Central Regional Conference of the National Council of Teachers of Mathematics, January 1998, St. Louis, Missouri.

Inspiring Girls to Think Mathematically. Presentation given at the Annual Conference of LIMACON Long Island Mathematics Association Conference, March 1998, State University of New York at Old Westbury.

Feisty Females: Using Children's Literature About Strong Female Characters to Teach Mathematics Presentation given (with L. Allen) at the Central Regional Conference of the National Council of Teachers of Mathematics, November 1997, Cleveland, Ohio.

Using Books with Hardy Female Characters to Create Mathematics Lessons. Presentation given at the Eastern Regional Conference of the National Council of Teachers of Mathematics, December 1997, Long Island, New York.

Performance Assessment in the Elementary School. Presentation given (with C. Thompson) at the Central Regional Conference of the National Council of Teachers of Mathematics, October 1997, Milwaukee, Wisconsin.

Storytelling with Geometry, Mathematics and Children's Literature: Innovative Ways to Teach Geometry Using a Hands-On, Integrated Approach. Presentation given (with C. Thompson) at the Canadian Regional Meeting of the National Council of Teachers of Mathematics, August 1996, Vancouver, British Columbia.

Mixing Mathematics and Children's Literature. Presentation given at the Eastern Regional Conference of the National Council of Teachers of Mathematics, November 1995, Philadelphia, Pennsylvania.

Females + Mathematics = A Complex Equation. Presentation given at the Central Regional Conference of the National Council of Teachers of Mathematics, March 1995, Chicago, Illinois.

Incorporating Children's Literature in Mathematics. A presentation given at the Eastern Regional Meeting of the National Council of Teachers of Mathematics, November 1994, Charleston, West Virginia.

Using Children's Literature as a Springboard for Mathematics. Two presentations given at the Annual Conference of LIMACON Long Island Mathematics Association Conference, March 1994, State University of New York at Old Westbury.

Using Mathematics and Science to Explore Environmental Issues in the Middle School Setting. Presentation given at the Regional Meeting of the National Science Teachers Association, November 1993, Louisville, Kentucky.

Linking Mathematics and Children's Literature. Presentation given at the Central Regional Meeting of the National Council of Teachers of Mathematics, November 1993, Paducah, Kentucky.

Integrating Mathematics and Children's Literature. Presentation given at the Southwest Regional Meeting of the National Council of Teachers of Mathematics, October 1993, Durango, Colorado.

Mixing Mathematics, Science and Children's Literature. Presentation given at the Northeast Regional Meeting of the National Council of Teachers of Mathematics, May 1993, New York, New York.

Mathematics and Children's Literature. Presentation given at the Central Regional Meeting of the National Council of Teachers of Mathematics, October 1992, Columbus, Ohio.

Females + Mathematics = A Complex Equation. Presentation given at the Western Regional Meeting of the National Council of Teachers of Mathematics, March 1992, Eugene, Oregon.

Mixing Mathematics and Children's Literature. Presentation given at the Central Regional Conference of the National Council of Teachers of Mathematics, October 1991, Louisville, Kentucky.

Teacher as Researcher: Contemporary Issues. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, November 1990, Ellenville, NY.

Integrating Children's Literature and Mathematics. Presentation given at the Northeast Regional Conference of the National Council of Teachers of Mathematics, October 1990, Parsippany, New Jersey.

The Teaching of Elementary School Mathematics: The Relationship Between Teachers' Attitudes and Their Instructional Behavior. Paper presented at the Annual Meeting of the New England Education Research Organization, April 1988, Rockport, Maine.

REFEREED PRESENTATIONS - STATE

Using Children's Literature About Strong Female Characters to Teach Mathematics
Keynote presentation given (with T. Brown) at the Annual Conference of the Iowa Council of Teachers of Mathematics, February 1998, Des Moines, Iowa.

Feisty Females. Keynote presentation given (with T. Brown) at the Annual Conference of the Iowa Council of Teachers of Mathematics, January 1997, Des Moines, Iowa.

Feisty Females: Using Children's Literature About Girls to Teach Mathematics
Presentation given at the Annual Conference of the Kentucky Council of Teachers of Mathematics, October 1996, Bowling Green, Kentucky

Females + Mathematics = A Complex Equation. A presentation given at the Annual Conference of the Kentucky Council of Teachers of Mathematics, October 1994, Union, Kentucky.

Using Children's Literature as a Springboard for Mathematics. Two presentations given at the Annual Meeting of the Kentucky Council of Teachers of Mathematics, September 1993, Lexington, Kentucky.

Mathematics and Children's Literature. Presentation given at the Annual Meeting of the Association of Mathematics Teachers in New York State, October 1989, Syracuse, New York.

INVITED ADDRESSES, SPEECHES AND PRESENTATIONS

Gender Issues in the Mathematics Classroom. Presentation given for the Diocese of Louisville. November 2006, Louisville, KY.

The Induction Year – Teacher Work Samples. Keynote presentation given for the Mathematics and Science Teacher Educators of Missouri. November 2005, Columbia, Missouri.

Who are the Mathematics Teacher Educators? Presentation given for the Education Policy Forum of the Education Policy Center at Michigan State University and Achieve, Inc. June 2005, Washington, DC.

Preparing Pre-Service Teachers for Urban Settings. Presentation given for the Kentucky Teacher Education Summit, October 2003, Richmond, Kentucky.

Ideas to Enhance Mathematics. Presentations given for Preble County Public Schools, June 4-6, 2002, New Paris, Ohio.

Follow-up to Ideas to Enhance Mathematics. Presentation given for Preble County Public Schools, June 7, 2002, New Paris, Ohio.

Enhancing Mathematics Instruction, Presentations given for Preble County Public School Teachers. June 13-15, 2001, Eaton, Ohio.

Fractions, Decimals, Percents and Proportional Reasoning. Presentations given for the Sidney Public School Teachers, April 26-27, 2001, Sidney, Ohio.

Using Measurement to Develop Problem Solving Skills. Presentations given for the Sidney Public School Teachers, March 8-9, 2001, Sidney, Ohio.

Algebraic Thinking. Presentations given for the Sidney Public School Teachers, Feb 15-16, 2001, Sidney, Ohio.

Getting Children to Think Mathematically. Presentation given for Preble County Public School Teachers. October 9, 2000, Eaton, Ohio.

Author Forum: Inspiring Girls to Think Mathematically. Presentation given for Jefferson County Public School Teachers. April 27, 2000, Louisville, Kentucky.

Learning through Play – The Art Sparks Experience. Presentation given for docents at the Speed Art Museum. November 15, 1999, Louisville, Kentucky.

Mathematics and Children’s Literature. Presentation given at the Western Ohio Professional Development Seminar. April 16, 1999, Dayton, Ohio.

Developing Collaborative Alliances. Presentation given at the Jefferson County Public Schools Elementary Mathematics Leaders’ Meeting. April 15, 1999, Louisville, Kentucky.

Writing a Successful Proposal: Strategies for Winning the Metroversity Instructional Development Award. Presentation given for Metroversity faculty. March 30, 1999. Louisville, Kentucky.

Women in Mathematics. Presentation given for mothers and daughters in the Celebration Group at St. Margaret Mary School. March 24, 1999. Louisville, Kentucky.

Mathematics and High School Girls – Where are we? Presentation given for the Catholic High Schools of Kentucky. November 2, 1998. Mercy Academy, Louisville, KY.

Gender and Mathematics. Presentation given at the Western Ohio Professional Development Seminar. October 30, 1998, Dayton, Ohio.

Mixing Numbers and Words. Presentation given at the Floyd County Public Schools. August 17, 1998, Jeffersonville, Indiana.

Mathematics and Literature – A Perfect Match. Presentation given at the Hardin County Public School Professional Development. July 30, 1998, Elizabethtown, Kentucky.

Equity and Access for Middle Level Students. Presentation given at Project PROMISE workshop for the Ohio Valley Educational Cooperative. November 15, 1997, Goshen, Kentucky.

Gender Issues and Decision Making. Presentation given at the Central Kentucky Education Cooperative - Building School Equity Through Leadership. January 1997, Lexington, Kentucky.

Gender Issues in Education. Presentation given at the Indiana University Southeast Faculty Diversity Seminar, October 1994, New Albany, Indiana.

Using Children's Literature in the Mathematics Classroom. Three presentations given at Indiana University of Pennsylvania, April 1994, Indiana, Pennsylvania.

Symposium on Gender and Education. Presentation given at Indiana University Southeast, March 1994, New Albany, Indiana.

Females + Mathematics = A Complex Equation. A keynote presentation given at the spring meeting of the Greater Louisville Council of Teachers of Mathematics, April 1994, Louisville, Kentucky.

National Council of Teachers of Mathematics Standards K-4: A Look at Problem Solving. A series of presentations for the East Meadow Public Schools, Fall 1991, East Meadow, New York.

Apprenticeship Approaches to Teaching Mathematics and Science to Bilingual Students. with D. Thornburg. Dwight D. Eisenhower Title IIA Program Technical Assistance Sessions. March 1991, New York, New York.

Gender Issues Related to Early Childhood Special Education. Special Education Training Resource Center of Nassau County BOCES, May 1990, Jericho, New York.

What is an Icosahedron? Annual Nassau County Math Teachers' Family Math Day, March 1990, 1992, Oceanside, New York; March 1991, Manhasset, New York.

Mixing Mathematics and Children's Literature. Annual Superintendent's Day Conference, November 1989, Seaford, New York.

The Integration of Mathematics and Children's Literature. Annual Nassau County Math Teachers - Nassau County Math Supervisors' Conference, October 1988, State University of New York at Old Westbury.

A Qualitative Case Study of Mathematics in the Elementary Schools. Paper presented at the Annual Educational Policy Forum, March 1988, Hofstra University.

OTHER RESEARCH, EVALUATION, CONSULTING AND ADVISORY EXPERIENCE

ConText National Advisory Board. Technology in Education Project - Bank Street College. 2005-2006

ACCLAIM. Advisory Board to Teacher Education, Research on Appalachian girls' mathematics performance.

LA –SMARTER. – Teacher Education Advisory Board.

UPMAST – Leader of Team to create Diagnostic Teacher Assessment.

Mathematics for All: Multimedia Cases on Inclusion. Case Study Development Project. Funded by NSF (PI - B. Moeller), Bank Street College of Education and Education Development Center, New York, NY: Advisory Board – 2002- present.

Project GREEN – Girls Ready for Environmental Education Now! Social Justice Project Funded by NSF (PI - C. Shakeshaft), Hofstra University, Hempstead, NY: Mathematics Consultant – 1998- 2000

Center for Excellence in Research, Teaching, and Learning - Science, Math and Technology. Project funded by NSF (PI – K. Lind), Participating Faculty 1997- 1999

Create-A-Vision - Consultant in the Elementary Cadre for Creative Publications. 1994-1999.

PRISM Project - Gender Consultant to the Science Specialists' Training - Middle School Level (Project Director – K. Lind), 1996-1997

POEMT Project - Preparation of Elementary Mathematics Teachers (for Professors of Preservice Elementary Teachers) - NSF Funded Project out of Florida International University, (Project Director – R. Gilbert) - 1992-1996. Consultant and Member of Steering Committee

Kentucky State Presidential Awards Evaluating Committee 1993

Diocese of Miami-Mathematics Curriculum Improvement Project, Exxon and Eisenhower Grants (Project Director – R. Gilbert), 1992-1993 Consultant and member of the Steering Committee

A Curriculum of the Home. Fukutake Publishing Co., Ltd., Consultant 1991-1993.

Outdoor Mathematics Grant Workshop. Florida International University, (Project Director – R. Gilbert) Consultant. 1991. Miami, FL.

National Action Council for Minorities in Engineering (NACME). Consultant. 1990. New York, NY.

Oceanside School District. Consultant/Program Evaluator of first and second grade mathematics program, (1988-1990). Oceanside, NY.

MEDIA COVERAGE

Portfolio Institute. WAVE 3 TV, July 16, 1999. Feature story on the evening news by Byron Henderson about the Summer Portfolio Institute.

- Wheeler Club Hooks Girls on Math.** Courier Journal, March 3, 1999. p. B1-B2. Article by Linda Stahl about the Math Clubs for Girls project.
- Feisty About Math.** Et Ultra. Bicentennial Issue 1998. pp. 18-19. Article by Victoria Moon about research on math and girls.
- Trunnel Girls Run School Store: Relying on Computers.** Courier Journal, May 25, 1998. P. D8-D9. Article by Bob Deitel about the Math Clubs for Girls project.
- A Mathematical Mission.** Courier Journal. April 19, 1998 p. H1-H2. Article by Diane Aprile about the Math for Girls' Course and the Feisty Females Project.
- Conquering Math Anxiety.** Hope Magazine: Humanity Making a Difference, May/June 1997 p. 12-13. Article by Christine Ritinni about the Feisty Females Project.
- Course Shows Writing, Math are no Longer Separate Skills.** Courier Journal. P. B1. July 27, 1996. Article about the Summer Portfolio Institute by Beverly Bartlett.
- Making Math Add Up for Girls.** New York Times Education Supplement. March 31, 1996. Article by Douglas Martin on the Feisty Females Project.
- Mathematics Manipulatives as used in Teacher Education.** WHAS TV, March 1993. Interview by Melissa Swan on using hands-on materials to teach mathematics.

HONORS AND AWARDS

- 2006 President's Distinguished Teaching Award**
- 2006 Student nominated Faculty Favorite**
- 2002 Grawemeyer-Metroversity Special Merit Award**
- 2002 Grawemeyer-Metroversity Award for Instructional Improvement** – Implications of Research in Mathematics Education
- Education Graduate Student Association's 2000 Best All Around Graduate Faculty Member Award – Honorable Mention**
- NCTM Award for Distinguished Accomplishment – 2000**
- 1999 M.E.S.A. Award – Mathematics Education Service and Achievement Award**
- 1999 Helen Cunningham Educator Award for Excellence in the Teaching of Mathematics at the Post-Secondary Level**
- 1999 Adelphi University Distinguished Alumni Award**
- 1998 Grawemeyer-Metroversity Special Merit Award**
- 1998 Grawemeyer-Metroversity Award for Instructional Improvement** – Math for Girls and Other Problem Solvers
- 1997 Grawemeyer-Metroversity Special Merit Award**
- 1997 Grawemeyer-Metroversity Award for Instructional Improvement** (with E. Stroble) – Portfolio Institute
- Learning Disabilities Association – Stipend Recipient** (with D. Voltz) 1997
- Women's Leadership Mentoring Program, 1996-1997**
- Joseph P. Kennedy, Jr. Foundation Career Development Award 1994-1997**
- Graduate Faculty of University of Louisville - 1994**
- 1993 Grawemeyer-Metroversity Award for Instructional Improvement** – Elementary Mathematics Methods

Indiana University Southeast Faculty Fellowship, 1994
1990 Advisor of the Year, Adelphi Student Political Association
Luckman Award for Distinguished Teaching - Finalist, May 1990
Adelphi Faculty Merit Award for Outstanding Teaching, July 1989
H. Alan Robinson Outstanding Dissertation Award - First Runner Up, 1988
Kappa Delta Pi Outstanding Dissertation Award - Finalist, 1988
UCEA Graduate Student Research Seminar Award for Outstanding Doctoral Students in Education Administration, AERA, 1988
Hofstra University Doctoral Fellow, 1985 - 1988
Delta Gamma Continuing Education Fellowship, 1985
Who's Who in American Colleges and Universities
Lantern Honorary Society - Outstanding Senior Women
Kappa Delta Pi - Education Honor Society

SERVICE

NATIONAL SERVICE

PROFESSIONAL ORGANIZATIONS

American Association of University Women - member 1998-2002

American Educational Research Association – member 1987 - present

SIG – Research on Women in Education Program Committee Reviewer, 2000 - 2006

Division C Section 2 (Mathematics) Program Committee Reviewer, 2001

Division K Program Committee Reviewer, 1997 - 1999

Manuscript Reviewer, Educational Researcher, 1996-1998

Division A Program Committee Reviewer, 1990 - 1995

Manuscript Reviewer, American Educational Research Journal, 1994

SIG Research on Women in Education Reviewer, 1989 - 1992

Division A Outstanding Dissertation Award Committee, 1991

Symposium Organizer: Gender Issues in Educator Preparation Programs (1991). Annual Meeting of the AERA

Appalachian Association of Mathematics Teacher Educators – 2005 – present

Advisory Board, 2005- present

Association for Supervision and Curriculum Development-member 1989- present

Association of Mathematics Teacher Educators 1992-present

Past President, 2005-2006

President, 2003-2005

President Elect, 2002- 2003

Affiliate Leadership Conference, 2002

Nominations and Elections Committee – 2002-2004

Related Conferences Committee – 2001- 2003

Nominations and Elections Committee - 1996-1998

Proposal Reviewer - 1997 Annual Conference

Association of Mathematics Teachers in New York State-member 1986 - 1994
Conference Board of the Mathematical Sciences – Executive Board – 2002-2005
Delta Kappa Gamma – member 1996-present
Greater Louisville Council of Teachers of Mathematics - member 1992 - present
Executive Board Member - 1993- present
Membership Chair 1993-present
Kentucky Association of College Mathematics Educators-member 1993 - present
Kentucky Council of Teachers of Mathematics-member 1992 - present
Nassau County Association of Math Supervisors – member 1986 - 1998
Executive Board Member, 1987-1992
Delegate to 1992 Annual Convention
Nassau County Math Teachers Association - member 1984 - 2002
Executive Board Member, 1986-1992
National Association of Early Childhood Education Council-member 1986 - 1997
National Council for Accreditation of Teacher Education
Board of Examiners Member, 2006- present
National Council of Supervisors of Mathematics-member 1991 – present
Program Strand Leader for 2004 Annual Conference – 2003-2004
Glenn Gilbert National Leadership Award Committee – 2002- 2003
National Council of Teachers of English – member 1996- 2003
Women in Literature and Life Assembly (WILLA) – 1997-2001
National Council of Teachers of Mathematics - member 1973 - present
Board of Directors – 2008-2011
NCATE Board of Examiners’ Representative - 2006 - present
Virtual Mathematics Academy Review Panel – 2002 - 2003
Virtual Academy Review Panel for Algebra – 2001-2003
NCATE Folio Review Panel – 2001 - 2003
Conference Services Implementation Task Force – 2001-2002
Special Needs Students of Mathematics – Editorial Panel, 2000-present
Annual Program Chairperson Committee, 2000- 2001
Program Chairperson, Chicago Annual 2000 Conference, 1998 - 2000
Software Development Committee 1998- 2000
Program Chairperson, Central Regional Conference-Louisville, 1996 - 1998
Nominated for Board of Directors 1997
Special Interest Group - Benjamin Banneker, 1996-present
Special Interest Group - Women and Mathematics Education, 1993-present
Conferences and Conventions Committee, 1993-1996
- Research Advisory Committee Liaison, 1993-1996
- First Timers Sessions - Indianapolis, Boston, Knoxville, Atlanta
- Representative to Knoxville, Atlanta, Milwaukee Regionals
- Leadership Conference - Montreal, Canada 1996
Program Committee Member, San Diego Annual Conference, 1996
Program Committee Member, Indianapolis Annual Conference, 1994

Manuscript Reviewer, Arithmetic Teacher, 1990-1994
Program Chairperson, Northeast Regional Conference-Long Island, 1991
Chairperson for Student Aides, Northeast Regional Conference, 1987
Manuscript Reviewer, Teaching Children Mathematics, 1994-present
Manuscript Reviewer, Mathematics Teaching in the Middle School, 1995-present.
Manuscript Reviewer, Journal of Research in Mathematics Education, 1996 - present.

National Science Teachers Association-member 1982- 2002

National Technology Leadership Consortium – founding member 2003-2006

School Science and Mathematics Association-member 1980 - present

Awards Committee, 2000-2003

EDITORIAL AND MANUSCRIPT REVIEW

Manuscript Reviewer, Developmental Neuropsychology, 2001 - 2005
Manuscript Reviewer, Teaching Children Mathematics, 1994 - present
Manuscript Reviewer, Journal of Research in Mathematics Education, 1996 – present
Manuscript Reviewer, Mathematics Teaching in the Middle School, 1995 - 2005
Manuscript Reviewer, Corwin Press – 1999- 2000
Manuscript Reviewer, Educational Researcher 1996-1999
Manuscript Reviewer, Teaching and Teacher Education: An International Journal of Research and Studies – 1997- 1999
Manuscript Reviewer, American Educational Research Journal, 1994-1999
Manuscript Reviewer, Houghton Mifflin, 1989-1998
Manuscript Reviewer, State University of New York Press 1995-1998
Manuscript Reviewer, Journal of Holistic Education, 1993-1997
Manuscript Reviewer, Arithmetic Teacher, 1990-1994

STATEWIDE SERVICE

EPSB Program Reading Committee, 2006-present
Kentucky State Board of Examiners, 2006-present
Kentucky Leadership Academy, 2001-2003
Kentucky State Department of Education Exceptional Children Services - Mathematics Advisory Group, 1996- 1999
Kentucky State Department of Education Portfolio Advisory Committee, 1995 - 1997
Portfolio Benchmarking Committee - Fifth Grade. 1995-1996
Kentucky State Department of Education Presidential Award Committee, 1994
Kentucky State Department of Education Mathematics Task Force: *Transformations: Kentucky's Curriculum Framework* (Document Generated by the Task Force) 1993

LOCAL SERVICE

JCPS – GE Advisory Committee, 2005-2007
DuPont Manual High School Science Fair, Judge, 2000-2006

Co-Organizer with Congresswoman A. Northup and V. Molfese, Starting out Right: Everyday Literacy for Young Children in Reading, Writing and Mathematics.
Louisville, KY, November 10, 2001.

JCPS Gheens Academy Gender Equity Committee, 1996-1999

Critical Friends Network, 1997-1998

Jefferson County Public Schools Task Force on Algebra, 1997-1998

Louisville Leadership Network in Mathematics and Science, 1996-1998

Collegiate School Mathematics Fair, Judge, 1995-1998

PRISM Leadership Forum on Science and Mathematics Education, 1996-1997

Impact Initiative - Funded by Goals 2000 (Project Director - K. Jones). Designed to improve teachers' skills in mathematics performance assessment. Consultant, 1995-1997.

Jefferson County Middle School Mathematics Bowl, Judge 1993, 1994, 1997

UNIVERSITY SERVICE

Hart Exhibit Committee, 2007 – present

Parking Advisory Committee, 2005- present

Search Committee for Vice President of Development, 2006

SACs Accreditation Faculty Committee, 2005 - 2006

Faculty Senate – 2003 - 2006

Distinguished Teaching Professor Review Committee, 2003

Future Professors' Mentor – 2002-present

Presidential Search Faculty Advisory Committee, 2002

Multicultural Children's Literature Collection Development Committee, 2001 - 2003

President's Commission on the Status of Women – 1999-2004

By Laws Committee, 2003-2004

Executive Committee, 2001-2004

Liaison to Faculty Concerns Committee for CODRE, 2002-2003

Faculty Climate Subcommittee, 1999-2005

Assessment Subcommittee, 1999-2005

Nominations Subcommittee, 1999

Search Committee for the Director of the Women's Center – 1998 - 1999

President's Committee on Salary Gender Equity 1997-1998

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT SERVICE

Leadership Team, 2003 – present

NCATE Advisory Group – 2004-present

Women Doctoral Students' Mentoring Group – 2005 – 2006

Mentor to Future Professor's Program, 2002 - present

Welcoming Committee, 2002 - 2003

Search Committee for Assistant Professor and Visiting Assistant Professor in Mathematics and Science Education Center, 2002

NCATE Facilitators' Group – Standard II Facilitator, 2001-2002
Search Committee for the Professor and Director of the Center for Mathematics and
Science Education Research
Chair, 2001
Doctoral Admissions Committee for Supervision, 1999-2001
Chair, 1999-2001
Personnel Committee, 1996-2000
Liaison: Administration and Higher Education, 1999-2000
Welcoming Committee, 1997-2001
Special Education Doctoral Admission Committee, 1995-2000
Search Committee for the Dean of the School of Education, 1998-1999
Search Committee for Director and Endowed Professor in Early Childhood
Chair, 1997-1999
Faculty Research and Development Committee, 1996-1999
Faculty Grievance Committee, 1996-1999
Chair 1996-1997
School of Education 30th Anniversary Committee, 1998
Search Committee for Three Positions in Early Childhood, 1998
Chair, 1998
Search Committee for Special Education, 1997-1998
Gender Equity Mentoring Program, 1997-1998
Gender Equity Task Force, 1995- 1998
Chair: 1995-1996
Search Committee for Education Administration, 1996-1997
Search Committee for Special Education, 1996-1997
Doctoral Admissions Committee for Supervision, 1996-1997
School of Education Women Mentoring Program, 1996-1997
Task Force for Revisions of Master and Rank Programs, 1996
Search Committee for Special Education, 1995-1996
Search Committee for Education Administration, 1995-1996
Search Committee for Four Education Administration Professors, 1994-1995
Search Committee for Three Special Education Professors, 1994-1995

DEPARTMENT OF TEACHING AND LEARNING SERVICE

Department Chair – 2004-present
Mini Leadership Team – 2004-present
Search Committee Chair – Special Education Searches 2006-2007
Search Chair of KATC Director, 2006- present
Search Committee Chair – Special Education Searches 2005-2006
Search Committee Chair – Special Education Searches 2004-2005
Personnel Committee, 2002-2003
NCATE Folio Development – MEd and Rank 1 Folio – 2000-2001
Chair 2000-2001

Revisioning Committee, 1999-2000
Early and Middle Childhood Admissions Committee, 1997-1999
Early and Middle Childhood Petitions Committee, 1994-1998
M Ed. Folio Development Committee, 1997
Early and Middle Childhood Undergraduate K-4 and 5-8 Admissions Committee, 1994-1995

TEACHING

DOCTORAL COMMITTEES

Chair:

Todd Brown, Curriculum and Instruction - August 2003 (faculty member – University of Louisville)

Christie Perry, Curriculum and Instruction

Member:

Melody D'Ambrosio (Spalding University), Leadership – March 2000 (faculty member - College of Mount Saint Vincent in Riverdale, NY)

Kathleen Decker, Occupational Training and Development

Alexandra Fonaryova, Psychology – April 2002 (faculty member – Vanderbilt University)

Mary Hardin, Administration and Higher Education

Michael Harris, Administration and Higher Education – December 1997 (Coordinator of University of Louisville - Speed School Academic Services)

Mary Grace Jaeger, Administration and Higher Education – April 2001 (deceased)

Angela Lewis-Klein, Administration and Higher Education

Donnie Lee, Supervision

Diane MacKenzie, Supervision

Ann Moll, Administration and Higher Education - May 1996 (faculty member - Bellarmine College)

Beverly Moore, Supervision – December 2003

Jane Morganthal, Administration and Higher Education – March 2001

Rose Mary Newton, Administration and Higher Education – August 1998 (faculty member – University of Alabama)

Sheryle Nussbaum, Supervision – May 1998 (retired - faculty member - Hanover College)

Phillip Owens, Educational and Counseling Psychology, November 2000

Kathleen McCarthy Peixotto, Supervision

Margaret Pentacost, Administration and Higher Education – May 2003 (Assistant Dean for Student Services – University of Louisville)

Christine Price, Supervision – April 2002 (faculty member – Bellarmine University)

Mary Carol Rush, Administration and Higher Education
Lori Schneiders, Educational and Counseling Psychology – April 1999 (faculty member –
Vanderbilt University)
Trudy Day Sullivan, Administration and Higher Education - May 1996 (superintendent of a
public school system in Iowa)
Lynne Wheat, Supervision

Doctoral Program Committees

Karla Stauble – C & I – co- chair
Ben Rademaker – C & I – chair
Stephanie Livers – C & I – chair
Candice Conway – C & I – chair
Latricia Bronger – C & I - chair
Lisa Music – C & I – chair
Courtenay Mayes – C & L – chair
Linda Allen, Supervision - chair
Carrie Howe, Supervision
Alex Kenealy, Supervision
Kelly Thaler, Supervision – chair
Kathy Zwanzig, Supervision – co-chair

COURSES TAUGHT

EDEM – 313 – Elementary Mathematics Methods
EDEM - 413 – Middle Grades Mathematics Methods
EDEM – 673 – K-5 Mathematics Methods
EDEM – 690 – Middle Grades Mathematics Methods
EDEM – 620 – Mathematics in the Elementary School
EDTL – 628 – Mathematics for Girls and Other Problem Solvers
EDTL – 629 – Portfolio Institute
EDEM – 720 – Implications of Research in Mathematics Education

Courses taught at other institutions:
Science Methods in the Elementary School
Advanced Mathematics Methods
Advanced Science Methods
Introduction to Education
Senior Seminar for Student Teachers

Independent Studies

Gender, Literature and Mathematics
Mathematics and Children’s Literature
Performance Assessment in Mathematics
Math Clubs for Girls and Other Problem Solvers

CERTIFICATIONS

National Science Teacher Association - Elementary Science, (one of the first 50 recipients nationally)

New York State Mathematics 7-12

New York State School District Administrator

New York State School Administrator and Supervisor

New York State Special Education K-12

New York State Elementary Education N-6