

## **CURRICULUM VITA**

### **WILLIS N. JOHNSON**

**ADDRESS (Office):** University of Kentucky  
Department of Curriculum & Instruction  
339 Dickey Hall  
Lexington, KY 40506-0017  
(859).257.3158

**EMAIL:** wjohnsn@uky.edu

### **EDUCATION:**

- Ed.D. Temple University 1975 Mathematics Education
- M.S. Temple University 1972 Mathematics Education
- B.S. Temple University 1970 Mathematics Education
- A.A. Community College of Philadelphia, 1967 Arts and Sciences

**CURRENT POSITION:** Professor, mathematics education, Department of Curriculum & Instruction, University of Kentucky, 1998 -

### **TEACHING EXPERIENCE**

- 1993- 99 Professor, Elementary and Secondary Education, Murray State University, Murray, KY
- 1980-93 Associate Professor, Elementary and Secondary Education, Murray State University, Murray, KY
- July 1980 Visiting Professor at Kansas State University.
- 1977-80 Assistant Professor, Elementary and Secondary Education, Murray State University, Murray, KY
- 1974-77 Assistant Professor, Curriculum and Instruction, University of Houston, Houston, TX
- 1973-74 Instructor, Curriculum and Instruction, University of Houston, Houston, TX
- 1970-73 Doctoral student in Temple University's Trainers of Teacher Trainers Project, Philadelphia, PA

1969-73 Mathematics teacher in the School District of Philadelphia, Philadelphia, PA

## **FACULTY AND ADMINISTRATIVE LOAD**

### **Courses Taught:**

*At the University of Kentucky:*

EDC 337 Teaching Mathematics in Elementary Schools

EDC 343 Early Adolescent Learner Practicum

EDC 349 Student Teaching in the Middle School

EDC 433 Student Teaching in the Elementary School

EDC 615 Advanced Instructional Applications for the Early Adolescent

EDC 670 Advanced Study in the Teaching of Elementary School Mathematics

EDC 777 A History of Mathematics Education

EDC 777 Enhancing 7-12 Mathematics Using Technology

*At Murray State University:*

ELE 201 Teaching Elementary Mathematics (K-4).

MID 371 Teaching Mathematics: Middle School Practicum.

EDU 649 Research in Education

EDU 303 Strategies of Teaching

ELE 611 Elementary School Organization

ELE 600 Teaching Modern Mathematics

ELE 402 Teaching Science

Environmental Education staff for pre-service students

### **Doctoral committee:**

Ms. Lee H. Rohrer, University of Kentucky Curriculum & Instruction

Ms. Sarah Murray, University of Kentucky Curriculum & Instruction

Ms. Karla Willis, University of Kentucky Curriculum & Instruction

Ms. Alesa Walker, University of Kentucky. Successfully defended May 2, 2000.

Six Elementary School Masters Portfolio Defenses, Spring/Summer 2006

## **ADMINISTRATION:**

Program chair for the University of Kentucky Middle School Teacher Education Program 1998-2002.

## **PROFESSIONAL ASSIGNMENTS AND ACTIVITIES**

### **National**

Test Item validator for NTE Middle School Mathematics, Princeton, NJ, Spring 2005

Program Chair for the National Council of Teachers of Mathematics Conference and Exhibition in Birmingham, AL, October 2005.

Reviewer of manuscripts for the School Science and Mathematics Journal, 1981 -97.

Reviewer of manuscripts for the Mathematics Teacher, 1982 -97.

### **State**

Member, Board of Visitors, Asbury College, 2005 –

Editor, The Kentucky Journal for Teachers of Mathematics, 1990 -2001.

Board member of the Kentucky Science and Technology Corporation, 1991-2006

### **Local**

Treasurer for the University of Kentucky Chapter of Phi Delta Kappa.

## **SCHOLARLY WORK**

### **GRANTS**

ACCLAIM (Appalachian Collaborative Center for Assessment and Instruction in Mathematics) sponsored by the National Science Foundation for \$1,000,000 beginning September 2002 thru August 2006.

Secondary Mathematics Initiative, subcontract with the University of Louisville for \$84,000, 1994 - 1997.

6 -8 Science Specialists, subcontract with the University of Louisville for \$65,000, 1995-96.

NSF funded Kentucky Middle Grades Mathematics Teacher Network -funded for three years at \$172,000, 1993-96. Co-authored with the seven state universities.

Minority Teacher Education Scholarships -funded by the Kentucky Department of Education at \$11,500 with a Murray State match of \$5,000, 1993-94. Administrator.

Extending K-4 Mathematics Specialists -funded by the Exxon Foundation and the Kentucky Department of Education for \$10, 950, 1992-93. Co-authored with the seven state universities.

NSF K-4 Mathematics Specialists grant -funded for three years at \$76,000, 1990-93. Co-authored with the seven state universities.

Region I Math/Science Alliance -funded through the Council of Higher Education at \$15,000, 1988-91. Principal author.

Metric Education grant -funded by the U.S.D.O.E. at \$32,000, 1977-78.

## PUBLICATIONS

Ma, Xin & Johnson, Willis. Mathematics as the Critical Filter: Curricular Effects on Gendered Career Aspirations in *Explaining gendered occupational outcomes: Examining individual and social explanations through school and beyond* (co-editors: Helen Watt, Jacquelynne Eccles), in print.

Lee, Guang-Lea and Johnson, W., "The Need for Interracial Storybooks in Effective Multicultural Classrooms", Multicultural Classrooms, Volume 8, Number 2, Winter 2000.

Secondary Mathematics Teacher Training Manuals, University of Louisville, 1995-1996.

Probability and Statistics, The Kentucky Middle Grades Mathematics Teacher Network Training Manuals, University of Kentucky, 1994.

The Kentucky Performance Standards for Schools, mathematics component, 1991.

Johnson, W. & Frank Black (Eds.), Partnerships Between Schools & Universities: A University Perspective, Murray State University Press, 1985.

Baust, J., & Johnson, W., "Home Mathematics: What Do We Do?" Parent Cooperative Preschools International Journal, Fall 1980.

Johnson, W., (1980). What's It All About? - A manual for Basic Skills Workshop in mathematics. Murray, KY: Murray State University.

Johnson, W. N., (1980) Teaching Mathematics in a Multicultural Setting: Some Considerations When Teachers and Students are of Differing Cultural Backgrounds. Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 183-414)

- Johnson, W. N., (1980). Science and the Basic Elementary School Curriculum - A Teacher Corps Staff Development Manual. Murray, KY: Murray State University.
- Johnson, W.N., (1980). Project: Metric Education Today - Henderson County Schools Final Evaluation Report. Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 186-233)
- Johnson, W.N., (1980). Planning Mathematics Education as a Directive and Responsive System. Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 186-366.
- Johnson, W.N., (1980). Perception Changes of Students Who Studied in a Field-Centered Methods Course for Teachers of Elementary School Mathematics and Upon Completion of Student Teaching: A Follow-up Study Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 187-545)
- Johnson, W.N., (1980). A Regenerative Model for the Mathematics Education of Elementary School Teachers. Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 183-389)
- Johnson, W.N., (1980). Final Report: Regional Impact in Metric Education - A Multidisciplinary Approach to Metrics. (ERIC Clearinghouse for Science, Mathematics and Environmental Education Refer to SE 031-632)
- Johnson, W.N., (1978). Measurement Module: The International (SI) Metric System. Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 156-433)
- Johnson, W.N., (1978). "Metrication Fouled by Media Demagoguery," Dimensions.
- Johnson, W.N., (1977). Inner City Parents Attended Mathematics Classes - Why? Murray State University, Murray, KY, College of Education. (ERIC Document Reproduction Service No. ED 141-123)
- Johnson, W.N., (1976). "Making  $>$ ,  $=$ ,  $<$  Meaningful," Instructor.
- Johnson, W.N., (1976). Real Problem Solving Approach to Inservice Education. Chapter in book on Inservice Education Models sponsored by Texas Regional Teacher Corps, 1976.
- Editor for the Texas Council of Mathematics Teachers Newsletters, Fall 1975 and Spring 1976.

Modules for Teaching Elementary School Mathematics (Revised by me and sold through the University Bookstore at the University of Houston, 1975-77).

Authored manuscript for the Charles Merrill Seventh and Eighth grade mathematics texts - Spring/Summer 1975.

## **PAPERS PRESENTED**

### **NATIONAL**

"Robotics and Primary School Mathematics", at the national meeting of the National Council of Teachers of Mathematics, Indianapolis, IN, April 14, 1994.

"Empowerment: Integration of Knowledge" at the Evangelical Lutheran College conference on Women and Minorities in Science and Mathematics, Decorah, Iowa, July 1993.

"Using bridge-building to foster self-concept and learning in mathematics" at the Annual Meeting of the National Council for Teachers of Mathematics, Chicago, IL, April 1988.

"Mathematics in the Outdoors", presented with Joseph A. Baust at the 1985 National Conference of the National Council of Teachers of Mathematics in San Antonio, Texas -17-20 April 1985.

"Environmental Ed./Multicultural Ed. -Variations on a Theme?" -Presented at the 1983 Annual Conference of the School & Science and Mathematics Association.

"Imagori Problematation En Geometry En Estimation -A hands-on approach to thinking mathematically using origami to teach estimation and problem solving": presented with Joseph A. Baust at the 61st Annual Meeting of the National Council of Teachers of Mathematics in Detroit, MI -13-16 April 1983.

"Mathematics with an Environmental Twist": presented with Joseph A. Baust and Terry Wilson at the Indianapolis Conference of the National Council of Teachers of Mathematics -20 November 1982.

"Energizing Your Math Program for Young Children Using Tactile Experiences": presented with Joseph A. Baust at the Fifth Southeast Regional ACEI Conference in Knoxville, TN 30 July 1982.

"Let's Really Talk About Racism and Racial Stereotypes" a seminar presented with Anne Rash (University of Connecticut at Storrs) at the International Women's Studies Conference at Storrs, CT, June 4, 1981.

## **REGIONAL**

"Assessment of Mathematics in Kentucky", Southern Illinois University-Carbondale, February 18, 1993.

"Assessment and Instruction: Closing the Gap", National Council of Teachers of Mathematics, Paducah, KY, November 4-6, 1993.

KET Telecast: "K-4 Geometry", Lexington, KY, September 14, 1993.

KET Telecast: "Mathematics Portfolios", Lexington, KY, November 22, 1993.

"Making Friendly Computers out of Bugged Students -an Exploration into the Joy of Numbers" at the National Council of Teachers of Mathematics Regional Conference in Atlanta, GA, March 5, 1988. Paducah, KY, November 4-6, 1993.

"Environmental Education and Mathematics: A Marriage That is Ecologically Sound". Presented with Terry Wilson at the Memphis Meeting of The National Council of Teachers of Mathematics -1 November 1984.

"Mathematics with an Environmental Twist": presented with Joseph Baust and Terry Wilson at the 1984 annual meeting of the National Council of Teachers of Mathematics.

"LOGO and Bank Street Software Demonstration" at the Fourth Annual National Rural Special Education Conference -27 March 1984.

"Mathematics in the Environment": presented with Joseph A. Baust and Terry Wilson at the Charlotte, NC Meeting of the National Council of Teachers of Mathematics -13 November 1982.

"Mathematics with an Environmental Twist": presented with Joseph A. Baust and Terry Wilson at the Lexington Meeting of the National Council of Teachers of Mathematics -26 September 1981.

## **STATE**

"An Overview of DATA seminars of the Kentucky Middle Grades Mathematics Teacher Network", the Kentucky Council of Teachers of Mathematics Fall Conference, Union, KY, October 8, 1994.

"Electronic Portfolios", presented to (Partnership Reform Initiative in Science and Mathematics) leaders at Murray State University, January 31, 1994.

"The Kentucky Middle Grades Mathematics Network." The annual meeting of the Kentucky Council of Teachers of Mathematics, Lexington, KY, September 17, 1993.

"Kentucky Mathematics Portfolio" to numerous school systems in Kentucky, 1992.

"Problem Solving in K-8 Mathematics at the Western Kentucky University's 12th Annual Mathematics Retreat -July 14, 1989.

"Algebra in grades K-4" at the fall meeting of the Kentucky Council for Teachers of Mathematics -Lexington, October 15, 1988.

"Evaluating Computer Software for the Gifted": Presented with Joseph Baust at the Kentucky Association for Gifted Education -2-3 March 1984.

"Mathematics Meets the Environment": presented with Joseph Baust at the 1983 annual meeting of the Kentucky council of Teachers of Mathematics.

"Problem Solving", a media package for inservice training prepared with J. Baust, T. Whitfield, et.al for the Kentucky State Department of Education - 1982.

Research associate with University of Louisville. Gathered data from three schools on the implementation of modes of assessment. Feb. 22-24, 1995.

## **LOCAL**

"Getting Off on the Right Foot", presentation to area minority middle schoolers, Murray State University, August 4, 1994.

"Performance Standards in Kentucky", Murray State University College of Education, October 13, 1993.

"How Kentucky's Tests were created." Presented to Purchase Area Site Base Decision Making meeting, Paducah, KY, November 11, 1993.

"Kentucky's Assessment Strategy", College of Fine Arts Symposium on Learner Outcomes, Murray State University, December 1, 1993.

"KERA Reforms in Mathematics" at the Region I Math-Science Alliance Meeting in Madisonville, KY, September 8, 1992.

"Careers in Education" to minority high school students at Murray State University, February 24, 1992.

"Pre-College Mathematics" to minority middle school students -Murray, KY, March 25, 1990.

"Geometry Using Googolplex" at the Early Childhood Caregivers Conference, Murray, KY November 18, 1989.

"What parents of gifted children can do in mathematics" -Murray, KY, March 4, 1989.

"Leadership strategies", a seminar for fraternity and sorority leaders -Murray, KY, February 2, 1989.

"Consumer Math: Everyday Applications" for the West Kentucky Educational Cooperative Regional Inservice Conference in Paducah, KY, October 12, 1987.

"Pre-College Academic Preparation and Adequate College Planning" for the Early Intervention for Potential / Minority College Students, December 12, 1987.

Graphics, Speech, and Music Applications of the Computer -A workshop for gifted middle school students -18 December 1984

"My Child and Computers", presented to the Benton Lions Club - 5 December 1984.

"Science Fairs", for Hopkins County, KY schools -15 August 1984.

"Computers in Your Future", A presentation to Upward Bound Students -5 May 1984.

"Using Microcomputers in the Classroom": presented at the Murray State University Interdepartmental Conference -22 April 1983.

"Stimulating Simulations": presented with Joseph A. Baust at the Microcomputer Conference: Focus on Instruction that was sponsored by the Kentucky Department of Education and the West Kentucky Educational Cooperative -21 April 1983.

## **Professional Development**

Attended the Kentucky Council of Teachers of Mathematics meeting, Georgetown, KY, September 30, 2006.

Attended the Association of Mathematics Teacher Educators' National Meeting, Tampa, FL, January 26-28, 2006.

Attended the National Educational Computing Conference, Philadelphia, PA, June 2005.

Studied Charter Schools in Philadelphia, PA, May 16-20, 2005.

Attended the Kentucky Symposium in Middle Grades Teacher Preparation, Lexington, KY, April 14-15, 2005.

Attended the Annual Meeting of the National Council of Teachers of Mathematics Meeting, Anaheim, CA, April 6-9, 2005.

Attended the Association of Mathematics Teacher Educators' National Meeting, Dallas, TX, January 27-28, 2005.

Attended the Annual Meeting of the National Council of Teachers of Mathematics Meeting, Philadelphia, PA, April, 2004.

Attended the Annual Meeting of the National Council of Teachers of Mathematics Meeting, San Antonio, TX, April, 2003.

Attended annual conference of the Kentucky Council of Teachers of Mathematics, Lexington, KY, October 11, 2000.

Attended the annual international meeting of the National Council of Teachers of Mathematics, Chicago, IL, April 2000.

Attended the Kentucky Teaching and Learning Conference, Louisville, KY March 2000.

Participant in the Equity in Mathematics Education Leadership Institute at UC-Santa Barbara, CA, 1996 -1998.

Took students to the Kentucky Council of Teachers of Mathematics Fall Conference, Somerset, KY, October 14, 1995.

Appalachian Education Lab Eisenhower Higher Education Conference in Nashville, TN. January 20-22, 1995

Attended Kentucky Educational Technology Conference, Lexington, Feb. 26-27, 1995.

Attended National Council of Mathematics Conference, Philadelphia, PA, November 30-December 3, 1995.

Attended Tennessee Technology Conference, Nashville, TN, March 12-13, 1995.

Conference on education in Kentucky, Results/Visions, Lexington, KY February 8, 1995.

Appalachian Education Lab Eisenhower Higher Education Conference in Nashville, TN. January 20-22, 1995.

Attended Kentucky Educational Technology Conference, Lexington, Feb. 26-27.

Attended National Council of Mathematics Conference, Philadelphia, PA, November 30-December 3, 1995.

Attended Tennessee Technology Conference, Nashville, TN, March 12-13, 1995

Conference on education in Kentucky, Results/Visions, Lexington, KY February 8, 1995.

Participated (by invitation only) in the Working Conference of the AEL College and Schools Program, Roanoke, VA, December 2, 1994.

Participant in the Middle Grades Math Institute, Lexington, June 14-July 2, 1993.

Participant in the K-4 Math Institute, Lexington, July 5-8, 1993.

Participant in the Labs for Learning Training, Lexington, Aug. 9-11, 1993.

Middle Grades Leadership Conference, Lexington, Aug. 2-4, 1993.

Attended Conference for State Directors of Teacher Certification, Ft. Mitchell, KY, Oct. 25-27, 1993.

The Apple Macintosh computer (1992 ). Electronic portfolio.

Workshop participant at the Leadership Training Seminar presented by the National Council of Teachers of Mathematics in Kansas City, KS, February 18 -19, 1989.

Workshop participant on the NCATE Knowledge Base conducted by AACTE in Indianapolis, IN

Workshop participant on the implementation of "The Challenge of the Unknown" in Martin, TN, July 7-8, 1988.

Workshop participant training on Curriculum Auditing presented by F. English in Louisville, KY, November 18, 1988.

Professional Development Leave to study the relationship between sociobiology theory and the theory of genetic epistemology -Summer 1985.

Participated in the training program for Equity and Excellence in Mathematics, Science, and Technology that was sponsored by the Council of Chief State School Officers -Spring 1984.

Apple II computer (1982). Resulted in first computer applications in the College of Education at Murray State University.  
Resulted in purchasing of personal computers within the College of Education at Murray State University.  
Resulted in the development of inservice training courses for schools within the Murray State service area.  
Resulted in the development of the computer applications requirement for all seeking teacher certification.  
Additional efforts resulted in the editorship of the Kentucky Journal for Teachers of Mathematics being housed at Murray State University.

Summer Professional Development Grant to review clinical approaches to mathematics education - Summer 1981.

The Ohio Scientific Instruments personal computer (1980).

Teacher Corps Associate at the University of Wisconsin-Madison. Completed six week consortia related to Education that is Multicultural and Education as a Moral Enterprise -November 1979-September 1980.

### **Professional consultation to schools, colleges, agencies, businesses, and institutions.**

#### **NATIONAL**

Analyzed middle school mathematics texts for AAAS (American Association for the Advancement of Science) 2061 Project, Herndon, VA, July, 1998.

Consultant to the Silver-Burdett publishing company, Morristown, NJ, October 28, 1994.

Consultant to the Ligature Corporation on the future direction of mathematics texts in relation to KERA, Chicago, November 4, 1992.

Presider at the Annual Meeting of the National Council for Teachers of Mathematics in Orlando, FL, April 1989.

Reviewed for publication the text: Mathematics -A Good Beginning - January 1985.

## **REGIONAL**

Assisted in data collection for University of Tennessee doctoral student, Fall2005 – Summer 2006.

On site evaluator of selected mathematics laboratories for which I provided the design and training of twenty-seven teachers and coordinator in twenty-seven schools in Lake Charles, LA - Spring 1976.

Directed a workshop at the regional Cleveland Meeting of the National Council of Teachers of Mathematics in Cleveland, OH -October 11-13, 1979.

## **STATE**

Board member of the Kentucky Science and Technology Corporation.

Member of the Kentucky Professors of Middle Level Education Association.

Discussed the role of the UK Program Chair and preparing for accreditation at the KATE (Kentucky Association of Teacher Educators) meeting, October 6, 2000.

Member of the Kentucky EPSB (Education Professional Standards Board) Continuing Education Scoring Cadre for mathematics.

Moderator of panel discussion on "Providing training for diversity in Kentucky's teacher education institutions" at the KACTE (Kentucky Association of Colleges of Teacher Education), meeting in Louisville, KY, April 7, 2000.

Assisted the Kentucky Teaching and Learning Conference by organizing students to work as facilitators at the conference, March 2000.

Provided training for middle and high school mathematics teacher participants at the National Faculty Institute, Jenny Wiley State Park, Summer 1999.

On screen actor in a training video prepared by and for the Kentucky Teacher Internship Program, April 6, 1998.

Set Portfolio benchmarks for Middle School Mathematics, April 12-14, 1993

Respondent to the site visit by National Science Foundation before the state was awarded \$10 million for the systemic grant, Lexington, February 13, 1992.

Advisory committee member for the development of the mathematics portfolio component of KERA, 1992 - .

Advisory committee member for the development of the mathematics assessment component of KERA, 1991 - .

Advisory committee member for the development of the Primary School assessment component of KERA -the Kentucky Early Learning Profile, 1992- .

Planning committee member for the Kentucky State's Conference: Equity and Excellence in Mathematics, Science, and Technology - 13-16 November 1984.

Committee member that planned and coordinated the conference for the State of Kentucky on Equity and Excellence in Mathematics, Science, And Technology -November 1984.

Steering Committee member for mathematics on the Kentucky Department of Education's Basic Skills Steering Committee -1982 through 1983.

Judge at the Kentucky Computer Problem Solving Contest -April 1983.

## **LOCAL**

KTIP committee member, 2006 –

Search committee mathematics education, University of Kentucky, @005-06, 2006 -.

Member Faculty Council, University of Kentucky, Fall 2005 – Spring 2006.

Faculty sponsor for the University of Kentucky Minority Educators Association, 2003-

Advisor for the “6+3 It All Adds Up” tutoring program at the Salvation Army Boys and Girl Club, Lexington, KY, Fall 2004 –Spring 2005.

Advisor to Paris Independent Schools Equity Council, 2000-2002.

Program faculty member of the University of Kentucky's Special Education-LBD Teacher Education Program.

Program faculty member of the University of Kentucky's MIC science and mathematics Teacher Education Program.

Trained (with Debbie Bott Slaton) Crawford Middle School teachers to use the reading in content approach known as "Content Enhancement: Survey Routine" as part of the Middle Level Initiative sponsored by the Kentucky Department of Education, Summer 2000.

Met monthly with Crawford Middle School mathematics teachers as a team member of the LASER (Lexington Area Science Education Reform) project, 1999-2000.

Participant in the UK College of Education's ad hoc committee on Professional Development Schools, Fall 2000.

Met with secondary mathematics teachers to discuss the ramifications of the proposed statewide eleventh grade mathematics placement test, Rock Castle High School, November 11, 1999.

Trained Cardinal Valley Elementary School teachers to use the "Investigations" approach to teaching mathematics. A part of the LASER (Lexington Area Science Education Reform) project, Summer 1999.

Trained Crawford Middle school teachers to use the "Connected Mathematics" approach to teaching mathematics. A part of the LASER (Lexington Area Science Education Reform) project, Summer 1999.

Developed and Implemented distance learning course: Teaching with Technology, Murray State University, Spring/Summer 1999.

Demonstrated with 4<sup>th</sup> and 5<sup>th</sup> grade students the use of product barcodes and other patterns found on cereal boxes, Marshall County, Kentucky, February 10, 1999.

University of Kentucky Task Force member on undergraduate science and mathematic, 1998-99.

Facilitator for training middle school teachers in using the video-based program "Math in the Middle", Spring 1999.

Advisory Council for the Calloway County High School Youth Services Center, 1994.

KTIP trainer, September 10, 1989 - .

Reactor for KIRIS directors' meeting on KERA recommendations, KY Dam Village, Nov. 18, 1993.

Technology consultant for Robotics Institute, Murray, July 14-21, 1993.

Fractions for Parents, workshop for Calloway County Schools, October 13-27.

Consulted with school administrators for McCracken County on Assessment in KERA, January 6, 1992.

SACS committee member for Ft. Campbell Schools, April 26-28, 1992.

Consulted with area teachers on the mathematics portfolio at Mayfield High School, June 2, 1992.

Consultant on the use of manipulatives in mathematics to Caldwell County Schools, June 3, 1992.

Consulted with Trigg County Middle and High School teachers on the mathematics portfolio, August 17, 1992.

Consultant to Union County Schools on strategies for success in before and after school tutorial programs in mathematics, November 30, 1992.

Adviser to the Murray High School Black History Club, 1992-93.

Inservice Consultant for Caldwell County Schools: "Problem Solving in Mathematics" - June 9, 1989.

Chair of the SACS visiting team for the Mayfield, KY Middle School -May 5-7, 1989.

Spokesperson representing parents regarding the attendance policy of the Calloway County Schools -1988-89.

Consultant for Hopkins County Schools: Developed curriculum guides for mathematics and science, 1987-88.

Evaluator for the Hardin County Schools Writing to Read Program -1987.

Regional Computer Contest Planning Committee - Spring 1985

Computer Workshop for Gifted Primary School Children (with Joseph A. Baust) - Spring 1985.

Directed the Teacher Corps Elementary School Renewal Component -1978-1982. A five year period to regenerate a viable teacher education program at Murray State through a partnership with the public schools. A "first hand" chance to interact with and affect school learning where it happens. A definite stage to explore and, thereby, be able to share with other teacher educators and classroom teachers methods and materials necessary for successful school learning in today's world.

Directed Title I Workshop at Barkley Lodge and Convention Center, entitled "Ensuring Development of Computational Skills" -August 21, 1980.

Conducted work session on "Planning for Science Teaching in the Elementary School" at Puryear Elementary School -August 18, 1980 and the Henry Elementary School - August 19, 1980.

Directed "Five Year Planning for Henry Elementary School" at the Youth Station in the Land Between the Lakes -August 1, 1980.

Directed In-service session with Henry County 7th and 8th Grade teachers and principals entitled "Motivation, , Discipline, and Grading" - August 11, 1980.

Coordinated the mathematics component of the Basic Skills Workshops at Murray State University - June 4, 11, 18, 1980.

Conducted workshop entitled "Math Skills Development for Reluctant Learners - Grades 5-12" at Lone Oak Elementary School -April 15, 1980.

Assisted in conducting a workshop on the Kentucky Education Improvement Plan for the Calloway County Schools -January 19, 1979.

Piloted with the Murray State University Environmental Education Center an approach to integrating environmental education as an integral part of pre-service education at Murray State University - Fall 1978 and 1979.

Project trainer and consultant for the Metric Education: "Model School" project in Henderson, KY. This included three days of training in August 1978, four follow-up days ; throughout the year, and the evaluation of the project's effort to "metricate" the Henderson community and surrounding school districts.

Director of USOE Project "Regional Impact in Metric Education" -1977-1978.

Conductor of metric education workshop for teachers in Henderson, KY - August 1977.

Team member Houston Area Unified Science and Mathematics for the Elementary School - 1975-1977.

Editorial consultant for the production of the publication Make a Metric Salad, Henderson County Schools, Henderson, Kentucky, underwritten by a grant from the U.S. Office of Education, Summer 1979.

### **Non-professional community service**

Jury Duty, Circuit Court, Lexington, KY, October 2006.

Guest Reader, Elkhorn Elementary School, Frankfort, KY, February 22, 2005.

Secretary and former chair for the Murray Human Rights Commissioner, 1980- .

Past President of the Murray Civitan Club.

Presented "My Last Lecture... " at a luncheon in the Murray State University Wesley Center, February 23, 1993.

Editor of the Murray Civitan Newsletter.

Represented the College of Education at the Career Fair for Minority Middle School Students, West Kentucky Vocational Tech School in Paducah, December 11, 1993.

### **CURRENT PROFESSIONAL AND ACADEMIC ASSOCIATION MEMBERSHIPS**

National Council of Teachers of Mathematics

School Science and Mathematics Association

Phi Delta Kappa

Kentucky Council of Teachers of Mathematics

### **AWARDS**

Awarded the Mathematics Education Service Award by the Kentucky Council of Teachers of Mathematics, 1991.

**Revised January 16, 2007.**