

VITA

M. JAYNE FLEENER

EDUCATION

- Ph.D. Curriculum and Instruction, University of North Carolina at Chapel Hill, December, 1988
Dissertation: *Using the computer as an instructional tool to aid in mathematical problem solving*
- M.A.T. Mathematics, University of North Carolina at Chapel Hill, August, 1983
- M.A. Philosophy, University of North Carolina at Chapel Hill, August, 1980. Thesis:
Epistemology of mathematics
- B.A. Philosophy, Indiana University at Bloomington, May, 1978

FACULTY AND ADMINISTRATIVE APPOINTMENTS

- 2004-present E.B. "Ted" Robert Professor and Dean, College of Education, Louisiana State University, Baton Rouge, LA
- 1999-2004 Associate Dean for Research and Graduate Studies, College of Education, University of Oklahoma, Norman, OK
- 2001-2004 Professor, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma, Norman, OK
- 1995-2001 Associate Professor, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma, Norman, OK
- 1989-1995 Assistant Professor, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma, Norman, OK
- 1985-1989 Teacher, Departments of Mathematics and Computer Science, Durham Academy, Durham, NC
- 1983-1985 Teacher, Departments of Mathematics and Computer Science, Durham City Schools, Durham, NC. (Department Chair: 1984-1985)

MAJOR ACCOMPLISHMENTS AS DEAN AT LSU

- Recruited and hired outstanding new faculty
 - For the AY 09, eight faculty were hired with terminal degrees from Texas A&M, University of Virginia, University of Alabama, University of Georgia, Penn State, University of Kansas, and University of Nijmegen (Netherlands).
 - Over the past four years, the percentage of untenured faculty has almost doubled (28% untenured in AY 2004 to 47% untenured in AY 09).
- Conducted a Capital Campaign
 - Our College goal over the five year period was \$5.1M and we are currently at \$4.5M or 88% of that goal.
- Successful continuing accreditation for professional programs
 - Most recently, the Commission on Accreditation of Athletic Training Education (CAATE) provided a positive report for the Athletic Training Education Program (pending final report).
- Increased research and outreach productivity through sponsored programs.
 - Proposal Submissions up 121%; \$14.0 M in FY 05; \$31.1M in FY 08
 - Annual New Awards 75% increase; \$2.8M in FY 05; \$4.8M in FY 08
 - Annual New Awards for FY 2009 as of 2/28/09 are already 33% over our FY 2008 total at \$6.4M; College of Education is currently 4th among academic units (BS \$16.2M, ENG \$11.2M, SCE \$7.4M, COE \$6.4M, VetMed \$5.3M) with significant additional projects at varying stages of the award process
- Increased College IDC Recovery
 - During my first 3 years as Dean, we more than doubled IDC recovery (15% of total return from the university) from \$19,000 in FY 05 to \$29,000 in FY 2007.
 - In this last fiscal year, IDC recovery again doubled to \$58,000 FY 08 recovery. The overall growth from FY 05 to FY 08 represents an increase of approximately 205%.
- Supported and expanded College engagements
 - The College provides outreach and services to every parish in the state including over 900 schools through sponsored as well as academic programs.
 - Through our Celebration of Excellence Centennial events, we have reached out and re-connected with our rather extensive alumni base. Reunion gatherings have been held in Houston, Atlanta, Austin, Shreveport and Baton Rouge.
 - We have expanded our influence and operations in the New Orleans area with several funded projects including a \$3.6 M Early Reading First grant and a combination funded effort including a \$110,000 grant from JOB1, the City of New Orleans workforce development office and a four-year \$440,000 commitment from the AT&T Foundation as part of America's Promise to expand our LSYOU operations into the New Orleans area.
- Supported and Expanded the Faculty Speaker Series
- Supported and expanded external collaborative relationships including with State and governmental agencies, local non-profits, public schools, charter schools, Professional Development Schools, and the Eduventures Schools/Colleges of Education Learning Collaborative.

- Supported and coordinated College collaborations with the colleges of A&S, Basic Sciences, Music and Dramatic Arts, and Agriculture (SHREWD and HUEC), and the School of Library and Information Sciences for accreditation of our teacher preparation and advanced certification programs and for various accountability mandates across these various units.
- Established the College of Education Office of Sponsored Programs and Accounting in Spring, 2005
 - In FY 08, the College provided PIs with a total of approximately \$61,000 in research release salary recovery (portion of their salary cross-charged to grants) for additional support for GAs, travel, operating expenses, supplies, and equipment.
 - The number of faculty participating in sponsored activities has risen steadily since the inception of the Office of Sponsored Programs.
- Established the Office of Public Affairs in Fall, 2005
 - Increased the variety, scope, and quality of College publications.
 - Created a uniform web presence - In the first half of 2007, the public affairs staff custom designed more than 1,300 pages of web content, adding 686 custom-edited photographs, graphics, or portable documents.
 - Expanded the number and quality of press releases - In AY 08, the College successfully placed 40 print and 32 electronic articles in traditional media and landed 23 mentions in non-traditional media.
 - In AY 08, the office designed 12 annual publications, two development pieces, 30 brochures, 37 promotional items, and more than 40 expositional or special event marketing print pieces.
- Established an Alumni Relations arm of Public Affairs which has facilitated College donor development, increased our advocacy base, and provided a broad in-school network that can support and enhance College and University recruitment efforts
- Merged two academic units for better faculty collaboration across teaching, research and service missions
- Built capacity for future entrepreneurial efforts for self-generated revenues to support outreach and service activities
- Increased the College of Education endowment
- Increased the number and total amount of academic scholarships (5-year trend from AY 05 to AY 09)
 - Graduate: Number of awards increased from 26 to 55 (111.5%) and the total amount of awards increased from \$44,200 to \$95,145 (115.2%)
 - Undergraduate: Number of awards increased from 16 to 18 (12.5%) and the total amount of awards increased from \$11,665 to \$17,120 (46.8%)
- Provided approximately \$30,000 in travel support through the newly established College of Education Faculty Travel Grant Program to nearly 30 faculty members and graduate assistants who increased the visibility of the College by making scholarly presentations at 35 conferences in 13 states (AR, FL, GA, IL, KY, LA, MA, NC, NY, OK, TN, TX, & VA) and 8 foreign countries (Canada, China, England, France, India, Japan, Poland, & Turkey)

RESEARCH

Grants

External Grants and Contracts

LSU

1. HED: Higher Education for Development, (pending), *Societal Transformation Through Educational Partnerships (STTEP)*, (PI), \$49,999.32.
2. East Baton Rouge Parish School System, 02/01/2008 – 06/30/08, *East Baton Rouge CAN! Assessment*, PI (with Suzan Gaston, PD), \$19,971.
3. Louisiana Board of Regents – BOR, 08/17/2007 – 06/30/08, *Value-Added Teacher Preparation Qualitative Research Study*, PI, \$28,500.
4. US Department of Education, 2006, *GEAR UP LSU*, PI (with Suzan Gaston, PD), \$5,395,948.
5. Learn and Serve America, 2006-2008, *LSU Ready & Response Service Team*, PI, \$135,000.
6. Point Coupee Parish Schools, 2006, *LSU TIPS Partnership Subcontract*, PI, \$38,265
7. LA Board of Regents, 2006, *Literacy Across the Curriculum Subgrant*, PI (with Patti Exner, PD), \$5,000
8. LA Department of Education and the Pointe Coupee Parish Schools, 2006, *Louisiana FIRST Online TIPS*, PI (with Patti Exner, PD), \$38,265
9. LA Board of Regents, 2005, *Teacher Preparation Accountability System Professional Development Reward (2005-2006)*, PI, \$10,000.
10. LA Systemic Initiatives Program (LASIP), 12/07/05, *M.A.T.H. 2006: Mathematics and Assessment Taught Hands-On*, Co-PI (Nell McAnelly PI), \$188,317.
11. LA Board of Regents, 2005, *Value-Added Teacher Preparation Program Assessment Model*, PI, \$50,000
12. Southern Association of Colleges and Schools, 2007, *SACS/CASI Support Staff*, PI, \$6,000
13. Southern Association of Colleges and Schools, 2006, *SACS/CASI Support Staff*, PI, \$6,000
14. Southern Association of Colleges and Schools, 2005, *SACS/CASI Support Staff*, PI, \$6,000

University of Oklahoma

1. 2003 NCLB Title II, 2003, *Data-Driven Decision-Making Professional Development for Oklahoma Urban Preservice and Inservice Educators*, Co-PI (with Carla Thompson, David Garner), \$48,037.
2. 2003 NCLB Title II, 2003, *Teacher Increased Content Knowledge Equals Student Achievement in Mathematics (TICK=SAM)*, Research Consultant (Co-PI's Mary Stewart & Sacra Nicholas), \$91,139
3. Service Provider, *Mathematics Tutoring Program*, NCLB Title I through Oklahoma City Public Schools, (PI/PD), \$7,689
4. Oklahoma State Regents for Higher Education, *CITyS: Computer Integrated Technology Services for Preservice and In-service Teachers*. (PI), \$16,000.
5. National Science Foundation, 2003-2006, *PGE/RES Why Does It Work? A Study of Successful Gender Equity in Industrial Engineering at the University of Oklahoma*, Co-PI (Teri Jo Murphy, PI/PD), \$990,000.
6. Hitachi Corporation, 1999 - 2002, *Internet-based Training for Teachers to Develop and Implement Multimedia Technologies*, Co-PI, (with Kurt Gramoll, Engineering), \$253,497.
7. SMARTer Kids PREP Grant for SMART Products, (PD), \$1748 (with additional funding of \$750 from the College of Education Technology Committee).

8. Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1999, *Programmatic Professional Partnerships (P3): Professional Development through Multi-networked Collaborative Inquiry and Graduate Work in Mathematics Education*, PD, (PI Jim Gardner), \$212,890, three years
9. U.S. Department of Education, 1999-2005, *Gear-Up for Success in College*, (Alan Ingram , Oklahoma City Schools, PI/PD), University of Oklahoma Partner PI/PD, initial award of \$15,000,000 to OKPS (subcontract rate for OU about \$125,000/ year with over \$600,000 in expenditures through 2003-2004).
10. Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1995, *Mathematics and Science Teaching and learning through Computer Mediated Communications*, PI/PD, \$28,540.
11. Southwestern Bell Foundation Headquarters, 1993, *Technology in the Teaching and Learning of Mathematics: Project for the Integration of Calculators and Cooperative Learning (PICAC) in Intermediate Mathematics*, Co-PI/PD (with Dr. Pamela Fry), \$9,999.
12. Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1992, *Problem Solving Through Mathematical and Computer Modeling*, Co-PD (with Drs. Linda Norton & Curtis McNight), \$50,000.
13. Oklahoma State Regents for Higher Education, Title II Eisenhower, Quality Incentive Grant, 1991-1992, *Immediate Introduction of Calculator Graphics into Oklahoma Middle School Mathematics Classrooms*, Curriculum Specialist and Conference Coordinator, (PI/PD Dr. Andy Magid), \$11,484 (with matching funds from CASIO of \$456,000).
14. Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1991, *Problem Solving Through Mathematical and Computer Modeling*, Associate Co-director, (PI/PD Dr. Linda Norton), \$30,000.

Combined Internal/External Grants

Sooner Counts Mathematics Tutoring, PD, 1999-2004, \$20-25K per year, combined funding from the Oklahoma State Regents, Department of Education Gear-Up, OU Financial Aid, OU College of Education Dean's Office, and OU Department of Instructional Leadership and Academic Curriculum. (Each year, we piece together funding for this program from these various sources. In addition to these direct funds, we generate funds for student tutors through the Federal Work Study program. During the 2000-2001 school year, for example, we generated almost \$54,000 of Federal Work Study money to support our student tutors.)

Note: Service and Teaching grant activities are listed under Service and Teaching Categories.

Teaching Grants

- Summer Scholars Program (SSP), University of Oklahoma, Norman, Summers 1995, 1996, Mentor, (PI/PD Bob Petry, Associate Dean, Arts and Sciences).
- Summer Scholars Program (SSP), University of Oklahoma, Norman, Summers 1993 – 1995, 1998 –1999, Instructor - Mathematics Modeling and Chaos Theory. (PI/PD Bob Petry, Associate Dean, Arts and Sciences).
- Young Scholars Program (YSP), Duke University, Durham, NC, Summers 1989 – 1990, Instructor - Introduction to Computer Science.
- Talent Identification Program (TIP), Duke University, Durham, NC, Summers 1987 – 1988, Instructor - Introduction to Computer Science.

Service Grants

- National Council of Teachers of Mathematics, Special Needs Grant for Central Oklahoma Association of Teachers of Mathematics (COATM), \$750, as President of COATM 1995 – 1996
- Coalition for the Advancement of Science and Mathematics (CASMEO) and the Southwest Educational Development Lab (SEDL), for the Central Region affiliated group of CASMEO, \$1500, 1997

Publications

Books:

- Doll, W., Fleener, M.J., Trueit, D., St. Julien, J. (Eds.) (2005). *Chaos, complexity, curriculum and culture: A conversation*. New York: Peter Lang (Translated into Chinese, 2007).
- Fleener, M.J. (2002). *Curriculum dynamics: Recreating heart*. New York: Peter Lang (Translated into Chinese, 2007).

National Refereed Publications

1. Fleener, M.J. (2009). Bootstrapping a Theory of Thinking and Learning: A response to Ton Jörg's Thinking in complexity about learning and education. *Complicity: An International Journal of Complexity and Education* 6(1), pp. 39-44.
2. Ricks, T., Lu, L., Fleener, M.J. (2008). Understanding students' thinking from an interrelationship perspective. *Journal of Mathematics Education (China)*
3. Fleener, M.J. (2008). Re-Romancing Education: The Bricoleur. *Process Papers Eleven: Concerning A Different Three Rs for Education*, pp. 54-58.
4. Fleener, M.J. (2008). Complexity and Postmodern Criticality: Moral Dimensions of Emergentist Research. *Journal of the Canadian Association for Curriculum Studies*, 6 (1), pp. 73-91.
5. Fleener, M.J. & Matney, G. (2007). Curriculum clearings as being-with mathematics experiences: Authentic learning through a Heideggerian Lens. *Journal of Curriculum and Pedagogy. Volume 3, Number 2, Winter 2006: p. 92-106.*
6. Fleener, M.J. & Merritt, M. (2007). Paradigms Lost? *Nonlinear Dynamics, Psychology and the Life Sciences. Volume 11, Number 1, p. 1-18.*
7. Fleener, M.J., Willis, J., Brun, J., Hebert, K. (2007). Post-Katrina Educational Contexts: Breaking the Rules. In S. Robinson & M.C. Brown, *The Children Hurricane Katrina Left Behind: Schooling Context, Professional Preparation, and Community Politics.*
8. Reeder, S., Cassel, D., Reynolds, A., Fleener, M.J. (2006). Doing Something Different: Envisioning and Enacting Mathematics Curriculum Alternatives. *Curriculum and Teaching Dialogue: A Journal of the AATC. Volume 8, Number 1, p. 51-68*
9. Fleener, M. J., Reeder, S. (2006). Teaching etcetera. In Evans, M. & Allan, G., *A Different Three R's of Education. Volume 176, p. 141-154*

10. Fleener, M.J., Forehand, C., Robbins, R. (2005). Poststructural perspectives of self and education. *International Journal of Learning* (11), pp. 1065-1071.
11. Reynolds, A.M., Fleener, M.J., Wheatley, G., Robbins, R. (2005). The making of intelligence: Poststructural perspectives of learning. *International Journal of Learning* (11), 1033-1039.
12. Fleener, M.J., (2005). Learning as dynamic spacing: Changing language games through complexity. *Complicity: An International Journal of Complexity and Education*, 2(1), pp. 77-80 (December).
13. Fleener, M.J., Smith, J.K., Simpson, D. (2005). Philosophy and teacher education: Paradox or paradigm? *Process Philosophy Papers* (9), pp. 66-75.
14. Fleener, M.J., Richardson, K., & Matney, G. (2004). Deterritorializing the curriculum: Poststructural logic and dynamic process. In L. Coia, et al., *Democratic Responses in an Era of Standardization*, pp. 27-37. Troy, NY: Educator's International Press, Inc.
15. Fleener, M.J. (2004). Why mathematics?: Poststructural topologies and negative spaces. In Walshaw, M (Ed.) *Mathematics education within the postmodern*. Greenwich, CT: Information Age Publishing.
16. Fleener, M.J., Carter, A., & Reeder, S. (2004). Language games in the mathematics classroom: Teaching a way of life. *Journal of Curriculum Studies* 36(4), pp. 445-468.
17. Fleener, M.J. (Summer, 2004). Curriculum dynamics and soul of teaching complexly: Horizons of expectation as educative improvisation. *Journal of Thought*, pp. 35-42.
18. Fleener, M. J., Reeder, S. L., Young, E., Reynolds, A. M. (2003). Unfolding mathematical experience through on-going study of the history of mathematics. *Action in Teacher Education*, Vol. XXIV (3), pp. 73-84.
19. Fleener, M.J., Adolphson, K., Reeder, S. (2002). Robotics activities and constructed problem solving: Creating spaces for learning/doing. In A.D. Cockburn & E. Nardi (Eds), *Psychology of Mathematics Education- Volume 2*, 361-367.
20. Carter, A., Fleener, M. J. (2002) Exploring the teacher's role in developing autonomy. In D.S. Mewborn, P. Sztajn, D.Y. White, H.G. Wiegel, R.L. Bryant, K. Nooney (Eds). *Psychology of Mathematics Education-North American Chapter – Volume 2*, 819-829.
21. Fleener, M. J. & Dupree, G. D. (2002). Autobiography through Gynocritical Inquiry: Exploring Women's Ideas about Mathematics, Power, and Community. *Journal of Curriculum Theorizing*, 65-76.
22. Fleener, M.J. (2002). Logical Foundations for an Organocentric Curriculum: Dewey's Logic and Complexity Sciences. In W. Doll & N. Gough, (Eds.), *Curriculum Visions*, New York: Peter Lang Publishers, 152-162.
23. Fleener, M.J. (2001). Educational Standards and High Stakes Testing: Changing Ways of Seeing. *Process Papers*, 6 (December, 2001), 19-37.
24. Fleener, M.J. (2001). The Language Games of Science and Philosophy: Bridges Rather than Anchors A Response to *Science Education: Constructing a True View of the Real World?* In Stone, L. (Ed.), *Philosophy of Education 2000*, Urbana-Champaign, IL: Philosophy of Education Society, 378-382.
25. Fleener, M. J. (1999). Toward a poststructural mathematics curriculum: Expanding discursive possibilities, *Journal of Curriculum Theorizing*, 15(2), 89-105.
26. Fleener, M. J. & Rodgers, D. B. (1999). A systems theoretic approach to understanding transformation in learning communities. *Journal of Thought*, 34(1), 9-22.
27. Pourdavood, R. G. & Fleener, M. J. (1998). The ecology of a dialogic community as a socially constructive process. *Teaching Education*.
28. Fleener, M. J. & Fry, P. G. (1998). Adaptive teacher beliefs for continued professional growth during postmodern transitions. In D. J. McIntyre & D. M. Byrd (Eds.), *Strategies for Career-Long Teacher Education: Teacher Education Yearbook VI*, Thousand Oaks, CA: Corwin Press, 154-167.

29. Fry, P. G. & Fleener, M. J. (1997). An analysis of teacher-class interaction metaphors. *The Journal of Classroom Interaction*, 32(1), 30-35.
30. Pourdavood, R. G. & Fleener, M. J. (1997). Impact of a dialogic community on the development of classroom sociocultural norms. *Journal for a Just and Caring Education* 3(4), 399-417.
31. Fleener, M. J., Donaldson, G. D., & Craven, L. D. (1997). Exploring and changing visions of mathematics teaching and learning: What do students think? *Mathematics Teaching in the Middle School*, 9(1), 40-43.
32. Pourdavood, R. G. & Fleener, M. J. (1997). Evolution of a dialogic community and teacher change. *The School Community Journal*, 7(1), 51-61.
33. Pourdavood, R. G. & Fleener, M. J. (1997). Sustaining cultures of teaching for liberatory mathematics education. *Proceedings of the 19th Annual Meeting of the Psychology of Mathematics Education – North American Chapter*.
34. Fleener, M. J. (1996). Scientific worldbuilding on the edge of chaos: High school students' beliefs about mathematics and science. *School Science and Mathematics*, 96(6), 312-320.
35. Pourdavood, R. G. & Fleener, M. J. (1996). Examining teachers' beliefs and practices within a dialogic community. *Proceedings of the 18th Annual Meeting of Psychology in mathematics Education - North American Chapter (PME-NA), Volume II*, 370-375.
36. Fleener, M. J. (1995). A survey of mathematics teachers' attitudes about the calculator: The impact of philosophical orientation. *Journal of Computers in Mathematics and Science Teaching*, 14(4), 481-498.
37. Fleener, M. J. (1995). The relationship between experience and philosophical orientation: A comparison of preservice and practicing teachers' beliefs about calculators. *Journal of Computers in Mathematics and Science Teaching*, 14(3), 359-376.
38. Fleener, M. J. (1995). Alamo Rent-A-Car Commercial. *Mathematics Teaching in the Middle School*, 1(5), 394
39. Fleener, M. J., Westbrook, S. L., & Rogers, L. N. (1995). Learning cycles for mathematics: An investigative approach to middle school mathematics. *The Journal of Mathematical Behavior*, 14(4), 437-442
40. Fleener, M. J., Pourdavood, R. G., & Fry, P. G. (1995). A study of preservice teachers' metaphors for the different roles of the mathematics teacher. *Proceedings of the 17th Annual Meeting of Psychology in Mathematics Education – National (PME-NA) Volume II*. 104-108.
41. Fleener, M. J. (1995). Relationships among experience, philosophy and beliefs related to calculator use. In D. Carey, R. Carey, D.A. Willis, & J. Willis (Eds.) *Technology and teacher education annual: 1995*. Charlottesville, VA: Association for the Advancement of Computing in Education.
42. Fry, P. G., & Fleener, M. J. (1995). A Freirean approach to teacher change: A study of ten teachers engaged in action research. In E. Chance (Ed.), *Creating the quality school*, Magna Press.
43. Fleener, M. J. & Fry, P. G. (1994). Methods classes and professional development schools: The overlooked semester. *The Teacher Educator*, 29(3), 39-44.
44. Fleener, M. J. & Fry, P. G. (1994). Analyzing metaphors for mathematics teaching. *National Forum of Teacher Education Journal*, 4(1), 55-63.
45. Fleener, M. J. & Nicholas, S. N. (1994). Dynamic belief clusters: Using isolation analysis to determine preservice teachers' beliefs about the teaching and learning of mathematics. *National Forum of Applied Educational Research Journal*, 7(2), 13-22.
46. Nicholas, S. N., & Fleener, M. J. (1994). Nine preservice teachers' beliefs about teaching and learning mathematics: A case study. *National Forum of Applied Educational Research Journal*, 7(2), 3-12.

47. Fine, A., & Fleener, M. J. (1994). Calculators as instructional tools: Perceptions of three preservice teachers. *Journal of Computers in Mathematics and Science Teaching*, 13(1), 83-100.
48. Fleener, M. J. & Reynolds, A. (1994). The relationship between preservice teachers' metaphors for mathematics learning and Habermasian interests. *Proceedings of the 16th Annual Meeting of Psychology in Mathematics Education – North American Chapter (PME-NA)*, 247-253.
49. Fleener, M. J. (1994). A research study of teachers' beliefs about calculator use. In G. Marks (Ed.), *Mathematics/Science education and technology, 1994* (pp. 56-61). Charlottesville, VA: Association for the Advancement of Computing in Education.
50. Fleener, M. J. (1994). Is experience enough?: A survey of mathematics teachers' philosophies of calculator use. In D. Carey, R. Carey, D.A. Willis, & J. Willis (Eds.) *Technology and teacher education annual: 1994*. Charlottesville, VA: Association for the Advancement of Computing in Education.
51. Fleener, M. J. (1993). Graphing calculators: Networking strategies for inservice instruction. In D. Carey, R. Carey, D.A. Willis, & J. Willis, J. (Eds.) *Technology and teacher education annual: 1993* (pp. 596-599). Charlottesville, VA: Association for the Advancement of Computing in Education.
52. Fleener, M. J. (1992). Life in the fast lane: A modeling problem from the grocery store. *Consortium: The Newsletter of the Consortium for Mathematics and Its Applications*, 43.
53. Fleener, M. J., & Marek, E. A. (1992). Testing in the learning cycle. *Science Scope*, 15(6), 48-49.

In Press National Publications

- Fleener, M.J. (In press). Conversational Labyrinths and Metaphorical Journeys: A Review of *Higher Education Reconceived: A Geography of Change*. In *Complicity: An International Journal of Complexity and Education*.
- Fleener, M.J., Jewett, L., Smolen, J., Carson, R. (in press). Creating Spaces for Service Learning Research – Implications for Emergent Action and Civic Ingenuity. In T. Stewart, *Problematizing Service-Learning: Critical Reflections for Development and Action*. Information Age Publishing.

State – Editor Review

1. Fleener, M. J. (2001, Fall). *Teaching Etcetera*. (excerpts from article to appear in M. Evans & G. Allan (Ed.). *The Oklahoma Mathematics Teacher*.
2. Fleener, M. J. (1997, Spring). Traveling the Speed of Light – Almost. *The Oklahoma Mathematics Teacher*.
3. Fleener, M. J. (1995, Spring). Numerology: Number patterns and relationships for exploring mathematics. *The Oklahoma Mathematics Teacher*.
4. Fleener, M. J. (1994, Summer). Chaos, fractals and dynamic systems: New mathematics for the 21st century. *The Oklahoma Mathematics Teacher*, 6-8.
5. Fleener, M. J. (1994, Spring). Commercials, number sense and connections: Are we there yet? *The Oklahoma Mathematics Teacher*, 4-5.
6. Fleener, M. J. (1993, Fall). Geometric probability using the graphing calculator. *The Oklahoma Mathematics Teacher*, 6-9.

7. Fleener, M. J. (1993, Spring). Pick's theorem: A bridge for algebraic and geometric problem solving. *The Oklahoma Mathematics Teacher*, 7-10.
8. Fleener, M. J. (1992, Fall). Explorations with fractals. *The Oklahoma Mathematics Teacher*, 6-8.
9. Fleener, M. J. (1992, Spring). Spreadsheet applications for general mathematics: The bank loan problem. *The Oklahoma Mathematics Teacher*, 12-13.
10. Fleener, M. J., & Nicholas, S. N. (1991-1992, Winter). Math textbook adoption 1992: Issues, concerns, and questions for making the decision. *The Oklahoma Mathematics Teacher*, 9-11.

Newsletter Articles – President's Message

1. Fleener, M.J. & Reeder, S. (2002). *Educational Ether and Philosophical Spacings: Reciprocity as the Geometry of Relationship*. Chaos and Complexity SIG, American Educational Research Association.
2. Fleener, M.J. (2001). *Educational ether and philosophical spacings: Reciprocity as the geometry of relationship*. Chaos and Complexity SIG, American Educational Research Association
3. Fleener, M. J. (1999). *Mindwalking*, Chaos and Complexity SIG, American Educational Research Association.
4. Fleener, M. J. (1996, March). Spring Renewal, Central Oklahoma Association of Teacher Educators (COATM).
5. Fleener, M. J. (1996, January). Professional Development: The Mark of a Teaching Professional (COATM).
6. Fleener, M. J. (1995, August). Creating Community: A Message from the President (COATM).

Book reviews – Invited

1. Fleener, M.J. [Review of Tent, M.B.W. (2006). *The prince of mathematics: Carl Friedrich Gauss*. Wellesley, MA: A.K. Peters, Ltd.]. *Mathematics Teaching in the Middle School*.
2. Fleener, M.J. [Review of Stickels, T. (2000). *Are you as smart as you think?* Gordonsville, VA: St. Martin's Griffin]. *Mathematics Teaching in the Middle School*.
3. Fleener, M. J. [Review of Spencer, D. (1995). *Key dates in number theory history*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
4. Fleener, M. J. [Review of Spencer, D. (1995). *Illustrated computer dictionary for young people*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
5. Fleener, M. J. [Review of Spencer, D. (1995). *Spencer's illustrated computer dictionary*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
6. Fleener, M. J. [Review of Spencer, D. (1995). *Exploring number theory with microcomputers (3rd Edition)*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
7. Fleener, M. J. (1998). [Review of Fomin, D., Genkin, S., & Itenberg, I. (1996). *Mathematical circles (Russian experience)*. Boston, MA: American Mathematical Society] *Mathematics Teaching in the Middle School*.
8. Fleener, M. J. (1997, September). [Review of NCTM (1997). *Results from the sixth mathematics assessment*. Reston, VA: NCTM]. *Mathematics Teaching in the Middle School*.

9. Fleener, M. J. (1997). [Review of the Ontario Association for Mathematics Education (OAME) and the Ontario mathematics Coordinators Association (OMCA) (1995). *Linking assessment and instruction in mathematics: Connecting to the Ontario Provincial Standards*. Rosseau, ON: OAME and OMCA} *Mathematics Teaching in the Middle School*, 2(5), pp. 363-364).
10. Fleener, M. J. (1995). [Review of Tsuruda, G. (1994). *Putting it Together: Middle school math in transition*. Portsmouth, NH: Heinemann Press]. *Mathematics Teaching in the Middle School*.
11. Fleener, M. J. (1994). [Review of Owens, D. T. (1993). *Research ideas for the classroom: Middle grades mathematics*. New York: Macmillan Publishing Co.]. *Mathematics Teaching in the Middle School*, 1(2), pp. 162-163.

Presentations

National and International Presentations

1. Fleener, M.J. (November, 2008). *The Four P's of Chapter-Level Website Communications: Purpose, Positioning, Presence, and Pictures*. Phi Delta Kappa 2008 Summit on High-Performing Educators, November 13-15, San Antonio, TX.
2. Fleener, M.J. (March, 2008). *Deterritorializing Service Learning: Messiness of Bricolage Research Toward Educational Transformation*. AERA Symposium Session SIG-Service Learning, March 24-28, New York.
3. Jewett, L., Carson, R., Smolen, J., Fleener, M.J. (March, 2008). *Layering Responses to Natural Disasters Over Time: Frames for Rethinking Education*. Gulf South Summit, March 13-15, Belmont University, Nashville, TN.
4. Fleener, M.J. (February, 2008). *Major Forum: Preparing STEM Teachers: The Key to Global Competitiveness - Moderator*. AACTE 60st Annual Meeting, February 7-10, New Orleans.
5. Fleener, M.J. (February, 2008). *Emerging Leaders and a Promising Future: A Welcoming Session for Graduate Students*. AACTE 60st Annual Meeting, February 7-10, New Orleans.
6. Fleener, M.J., Gothreaux, C., Willis, E. (2007, July). *A Case for Cultural Creativity: A Trans-theoretical Approach to Team Building and Systemic Change*. NCCEP/GEAR UP Annual Conference 2007, July 22-25, San Francisco, CA.
7. Willis, E., Fleener, M.J. (2007, July). *A Literacy Managed Approach*. NCCEP/GEAR UP Annual Conference 2007, July 22-25, San Francisco, CA.
8. Fleener, M.J., (May-June, 2007). China Lectures: *Curriculum Dynamics: Seeing with Soft Eyes*. Shanghai, Guilin, Xi' An, Harbin, Beijing
9. Doll, W., Fleener, M., Trueit, D., (May – June, 2007). China Lectures: *Looking to the Future*. Shanghai, Guilin, Xi' An, Harbin, Beijing
10. Fleener, M.J. (2007). *Moral Dimensions of Postmodern Criticality in Complexity Research*. AERA Symposium Paper SIG-Chaos and Complexity Theories, April 14-18, Chicago, IL.
11. Forehand, C., Fleener, M.J. (2007). *Conversations across Cultures: Chinese and American Perspectives on Curriculum, Creativity, Culture and Conformity*. AERA SIG-Educational Change, April 14-18, Chicago, IL.
12. Fleener, M.J., Carson, R., Smolen, J., Calderon, P., Exner, P.E., Callender, K. (2007). *Children of Crisis: Merging Teaching, Research and Service Missions through Service Learning and Public Engagement*. Gulf-South Summit on Service-Learning and Civic Engagement through Higher Education, March 14-16, New Orleans.

13. Fleener, M.J. (2007). *The Children Hurricane Katrina Left Behind: Schooling Context, Professional Preparation, and Community Politics*. Major Symposium, AACTE, February 24-28, New York City.
14. Fleener, M.J., Exner, P. (2007). *Post-Katrina Educational Contexts: Creating a New Kind of College of Education*. Individual Paper Presentation, AACTE, February 24-28, New York City.
15. Fleener, M.J., Forehand, C. (May, 2006). *Creativity and Doll's Three S's: Songs Without End and Selves Without Boundary*. Second World Curriculum Studies Conference, International Association for the Advancement of Curriculum Studies, Tampere, Finland.
16. Fleener, M.J., Richardson, K. (April, 2006). *Creating Spaces for Learning to Teach: Nonlinear Unfoldings as Methods*. Paper presentation to the AERA, Chaos and Complexity Theories SIG, San Francisco, CA.
17. Fleener, M.J., Forehand, C. (April, 2006). *Creativity, Chaos, Complexity and Classrooms: A Journey*. Paper presentation to the AERA, Chaos and Complexity Theories SIG, San Francisco, CA.
18. Fleener, M.J. (January, 2006). *Leaving Colleges of Education Behind: Re-visioning Roles through Community Partnerships*. Paper presentation to the American Association of Colleges of Teacher Education Annual Conference, San Diego, CA.
19. Smith, W., Fleener, M.J., Guarino, A.J. (January, 2006). *Holding State Accountability Models Accountable: One Possible Means*. Roundtable presentation to the American Association of Colleges of Teacher Education Annual Conference.
20. Fleener, M.J. (November, 2005). *Hacking the System: The Immanence of a Life in Post-Katrina Louisiana, Race, Poverty, Health, & Education Dynamics Exposed*. Paper presentation in response to the keynote address: *Hacking the Future* by Jacques Daignault, Third Annual Meeting of the Complexity Science and Educational Research, Robert, LA.
21. Fleener, M.J. (October, 2005). *Louisiana: Context, Chaos & Complexity*. Special presentation to the Consortium of Academic Deans of Research Extensive Institutions (CADREI), Monterey, CA.
22. Fleener, M.J., Matney, G. (April, 2005). *Curriculum Clearings as Being-With Experiences: Authentic Learning through a Heideggerian Lens*. Paper presentation to the AERA, Division B Curriculum Studies, Montreal, Canada.
23. Fleener, M.J., Forehand, C. (October, 2004). *Can't stop the song: Cuban experiences as dynamic curriculum*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
24. Winfield, A.G., Wilson, A.V., Fleener, M.J., Eaton, L. & Burke, J.M. (October, 2004). *Identity (De)Construction: A postmodern exegesis of sexuality, racism and privilege*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
25. Fleener, M.J., Smitherman, S., Richardson, K. (October, 2004). *Complexities, boundaries and mentalities of curriculum: Reading Dorothy Allison, M.T. Anderson and Brent Davis*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
26. Fleener, M.J., Doll, W. (October, 2004). *Teaching in Fractaled Spaces*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
27. Doll, W., Fleener, M.J. (October, 2004). *Teaching Complexly*. Complexity Science and Educational Research Conference Kingston, Ontario, September 30 - October 3, 2004
28. Fleener, M.J., Forehand, Clydia, Robbins, R. (June, 2004). *The cult of efficiency and death of creativity: Lifelong learning as a myth of modern education*. Paper presentation to the 11th International Literacy and Education Research Network Conference on Learning, Havana, Cuba (June 27-30).

29. Reynolds, A., Fleener, M.J., Wheatley, G. (June, 2004). *The making of intelligence: Poststructural perspectives of learning*. Paper presentation to the 11th International Literacy and Education Research Network Conference on Learning, Havana, Cuba (June 27-30).
30. Fleener, M.J., Reeder, S. (April, 2004). *Teaching etcetera: Beyond the limits of curriculum presents as explored through postmodern and poststructural perspectives*. Paper presentation to the American Educational Research Association (AERA) Annual Meeting, Division B, San Diego (April 12-16).
31. Fleener, M.J., Richardson, K., Matney, G. (April, 2004). *Flights of fancy: Deleuze meets Foucault in a high school flight academy*. Roundtable presentation to the American Educational Research Association (AERA) Annual Meeting, Foucault and Education Special Interest Group, San Diego (April 12-16).
32. Reynolds, S., Blair, B., Fleener, M.J., Martin, K., (April, 2004). *Dancing with wolves: Leading within chaos*. Symposium presentation to the American Educational Research Association (AERA) Annual Meeting, Chaos and Complexity Theories Special Interest Group, San Diego (April 12-16).
33. Doll, W., Fleener, M.J., Trueit, D. (April, 2004) *Teaching in fractured spaces*. Annual Meeting of the American Association for the Advancement of Curriculum Studies (AAACS), San Diego (April 14-16).
34. Fleener, M.J., Smith, J.K., Abraham, D., Simmons, S. (January, 2004). *Involving community partners: Links with city chambers and other business partners*. Presentation to the Holmes Partnership Eighth Annual Conference, San Diego (January 16-17).
35. Fleener, M.J. (October, 2003). *Poststructural approaches to curriculum structures*. Paper presentation to the Fourth Annual Conference on Curriculum and Pedagogy, Atlanta, GA. (October 15-18).
36. Fleener, M.J. (September, 2003). *Deterritorializing categories and boundaries of curriculum: Nietzsche, Korzybski, Deleuze, and poststructuralism*. Paper presentation to the Society of Philosophy and History of Education Annual Meeting, San Antonio (September 18-20).
37. Fleener, M.J., Doll, W., St. Julien, J. (April, 2003). *Curriculum dynamics*. Paper presentation to the American Educational Research Association, Chaos and Complexity Theories Special Interest Group, Chicago, IL (April 21-25).
38. Fleener, M.J., Doll, W., Trueit, D., Wilson, A. (April, 2003). *Curriculum dynamics: Teaching complexity*. Paper presentation to the American Association for the Advancement of Curriculum Studies, Chicago, IL (April 18-21).
39. Fleener, M.J., Reynolds, A., Reeder, S., Adolphson, K. (March, 2003). *Emergent curriculum: Classroom cultures, argumentation, and technology*. Paper presentation to the Research Council for Mathematics Learning. Tempe, Arizona (March 6-8).
40. Fleener, M.J., Richardson, K., Matney, G., Reynolds, A. (March, 2003). *What is Mathematics?* Paper presentation to the Research Council for Mathematics Learning. Tempe, Arizona (March 6-8).
41. Smith, J.K., Ballard, K., Fleener, M.J. (February, 2003). *Establishing a statewide policy partnership*. Presentation to the Holmes National Partnership Seventh Annual Meeting, Washington, DC (February 21-23).
42. Fleener, M.J., et al. (January, 2003). *Education and engineering partnerships: Developing new structures and approaches to teacher education, outreach, and student learning*. Presentation to the American Association of Colleges of Teacher Education, New Orleans (January 25-27)
43. Fleener, M.J. et al. (January, 2003). *The K-12 tapestry: Weaving collaborative efforts*. Presentation to the American Association of Colleges of Teacher Education, New Orleans (January 25-27)
44. Fleener, M.J., Ormsbee, C., & Marsh, D. (January, 2003). *Associate Deans Forum*. AACTE, January 24-27, New Orleans.

45. Fleener, M.J. et al. (January, 2003). *Transcending traditional boundaries: Responding to leadership challenges through cohorts*. Presentation to the American Association of Colleges of Teacher Education, New Orleans (January 25-27).
46. Smith, J.K., Fleener, M.J., Porter, A., Rhoads, T.R., (January, 2003). *The K-12 tapestry, Weaving Collaborative Efforts*. Presentation to the IEEE-AACTE Deans Summit, Miami, January 9.
47. Fleener, M.J., Erwin, S., & Erwin, J. (2002, October). *Tacit knowledge, heuristic inquiry, and the curriculum: Dancing with the shadow of curriculum futures*. Symposium presentation to the 2002 Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice, October 24-26, Dayton, Ohio.
48. Carter, A. & Fleener, M.J. (2002, October). *Exploring the teacher's role in developing autonomy*. Paper presentation to the annual meeting of the PME-NA, Athens, Georgia.
49. Fleener, M.J., Adolphson, K., Reeder, S. (2002, July). *Robotics activities and constructed problem solving: Creating spaces for learning/doing*. Paper presentation to the PME, East Anglia University, UK.
50. Fleener, M.J. (2002, April). *Logical foundations for an organocentric curriculum: Dewey's logic and complexity sciences*. Paper presentation to the American Educational Research Association, April 2-6, Baton Rouge.
51. Fleener, M.J. (2001, November). Keynote presentations to the Luhmann Society, Copenhagen, Denmark.
 - a. *Chaos and Complexity – Session I*
 - b. *Chaos and the Curriculum – Session II*
 - c. *New Science and Postmodern Logics – Session III*
52. Fleener, M.J. (2001, October). *Curriculum dynamics and postmodern logics: An 'Erwartungshorizonten' of emergent curriculum*. Paper presentation to the 2001 Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice, October 26-28, Dayton, Ohio.
53. Fleener, M.J. & Carter, A. (2001, October). *Emerging socio-autonomy in the language games of classrooms*. Paper presentation to the 2001 Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice, October 26-28, Dayton, Ohio.
54. Fleener, M.J. (2001, August). *Is chaos research Normal Science?: Logical foundations of postmodern inquiry*. Paper presentation to the 11th Annual International Conference for the Society for Chaos Theory in Psychology and Life Sciences. August 3-6, Madison, WI.
55. Fleener, M.J., Ingram, A, Brown, C. (2001, March). *The challenges of collaboration: GEAR UP partnerships cutting across institutional and organizational barriers*. Presentation to the American Association of Colleges of Teacher Education Annual Meeting, Dallas, TX, March 1-4.
56. Fleener, M.J., Reeder, S., Young, E., & Reynolds, A. (2001, March). *History of mathematics: Building relationships for learning*. Paper presentation to the Research Council for Mathematics Learning Annual Meeting, Las Vegas, NV.
57. Fleener, M.J., Carter, A., Smith, E. (2000, Oct.). *Curriculum language games: Discursive spaces as complex emergence of meaning*. Paper presentation to the Journal of Curriculum Theory Conference, Bergamo Retreat Center, Dayton, OH, October 26-28.
58. Fleener, M.J. (2000, April). *Creativity, emergence and transactional spaces: An organocentric curriculum for supporting chaotic thinking*. Paper presentation at the Second Annual Conference on the Internationalization of Curriculum Studies, April 27-30, 2000, Louisiana State University, Baton Rouge, LA
59. Fleener, M. J. (2000, April). *Research paradigms for chaos and complexity: A critical look at scientific inquiry as exemplars or metaphors for inquiry in educational contexts*. Paper presentation to the AERA, New Orleans, April 24-28.

60. Fleener, M. J. (2000, April). *From clocks to chaos: Changing perceptions of nature*. Paper presentation to the 78th Annual Meeting of the NCTM, Chicago, IL, April 13-15.
61. Fleener, M. J. (2000, March). *The organocentric curriculum: Learning and assessment in dynamic learning communities*. Paper presentation at the Annual Meeting of the Research Council for Mathematics Learning, Las Vegas, NV, March 9-11.
62. Fleener, M. J. (1999, October). *Dewey's logic, complexity theories, and the curriculum: The intricacies of relationship, process, and change*. Paper presentation to the Annual Meeting of the 1999 JCT Conference on Curriculum Theory and Classroom Practice, Bergamo Conference Center, Dayton, Ohio, October 27-30, 1999.
63. Fleener, M. J. (1999, March). *Chaos and complex adaptive systems: An organocentric perspective of the curriculum*. Paper presentation to the Curriculum Theory Project Preconference Session of the Philosophy of Education Society (PES), LSU.
64. Fleener, M. J. (1999, February). *Returning to origins – Dia-Among-Gnosis-Understanding: Diagnosing classrooms as complex learning systems*. Paper presentation to the 26th Annual Meeting of the Research Council of Mathematics Learning (formerly RCDPM), February 11-13, College Station, TX.
65. Fleener, M. J. (1998, October). *A postcultural approach to understanding and reconstructing school mathematics*. Paper presentation to the Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice (Bergamo), Bloomington, IN.
66. Fleener, M. J. (1998, October). *Cognitive spacing: Chaotic dimensions of learning*. Panel discussion “Exploring the Complexity of the Nonlinear” with Bill Doll and Donna Trueit, LSU, Journal of Curriculum Theory Conference (Bergamo), Bloomington, IN.
67. Fleener, M. J. (1998, February). *Learners as complex adaptive agents: Implications for mathematics education research in the future*, Paper presentation to the Research Council for Diagnostic and Prescriptive Mathematics, College Park, Maryland.
68. Fleener, M. J. & Brintball, S. (1998, February). *Using time series analyses to understand the complexity of the classroom with regard to mathematics instruction, sociocultural norms, and sociomathematical norms*. Paper presentation to the Research Council for Diagnostic and Prescriptive Mathematics, College Park, Maryland.
69. Pourdavood, R.G. & Fleener, M. J. (1997, October). *Sustaining cultures of teaching for liberatory mathematics education*. Paper presentation to the Psychology of Mathematics Education – North American Chapter, Bloomington/Normal, IL, October 18-20.
70. Fleener, M. J. (1997, October). *G. H. Mead's Action Theory and Maturana's System Theory: Constructivism as a philosophy to inform and create learning environments*. Paper presentation to the JCT Conference on Curriculum Theory and Classroom Practice, Bloomington, IN, October 15-18.
71. Fleener, M. J. & Laird, S. (1997, October). *An eco-feminist dialogue: Re-valuation of the epistemological foundations of mathematics and education*. Paper presentation to the JCT Conference on Curriculum Theory and Classroom Practice, Bloomington, IN, October 15-18.
72. Fleener, M. J. (1997, April). *From Zeno to Mandelbrot: Activities from the history of mathematics*. Presentation to the 75th Annual Meeting of the National Council of Teachers of Mathematics, Minneapolis, MN.
73. Fleener, M. J. & Pourdavood, R. G. (1997, March). *School reform: Establishing dialogic communities as self-organizing structures for reflection, critique, and change*. Paper presentation to the American Educational Research Association, Chicago, IL.
74. Pourdavood, R. G. & Fleener, M. J. (1996, October). *Examining teachers' beliefs and practices within a dialogic community*. Paper presentation to the 18th Meeting of the North American Chapter of the Psychology of Mathematics Education, Florida.

75. Fleener, M. J. (1996, April). *Fractals, chaos, nonlinear, dynamics, and complexity. Changing worldviews to accommodate mathematical chaos.* Presentation to the National Council of Teachers of Mathematics, San Diego, CA.
76. Fleener, M. J. & Fry, P. G. (1996, February). *The ontologic power of metaphor: Are mathematics reform efforts doomed to failure?* Paper to be presented at the Research Consortium for Diagnostic and Prescriptive Mathematics.
77. Fleener, M. J., Pourdavood, R., & Fry, P. G. (1995, October). *A study of preservice teacher's metaphors for the different roles of the mathematics teacher.* Paper presented at the 17th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.
78. Fleener, M. J. (1995, August). *Towards a theory of a philosophy of mathematics education.* Presentation to the First International Seminar on Philosophy of Mathematics Education, UNESP-Rio Claro, Brazil.
79. Fleener, M. J. (1995, July). *New science, complexity and classroom contexts: Examining relationships, not things.* Short oral report to the Annual Conference of the Psychology of Mathematics Education, Recife, Brazil.
80. Fleener, M. J. (1995, April). *Dissipative structures and educational contexts: Rethinking research paradigms to understand teacher change.* Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
81. Fleener, M. J. (1995, April). *Learning organizations in a quantum age: Are mathematics education research paradigms adequate?* Paper presented at the 1995 National Council of Teachers of Mathematics Research Pre-session, Boston, MA.
82. Fleener, M. J. (1995, April). *Developing proportional reasoning: Alternatives to the cross-multiply-then-divide algorithm.* Paper presented at the 73rd Annual Meeting of the National Council of Teachers of Mathematics, Boston, MA.
83. Fleener, M. J. (1995, April). *The myth of normal science in the shadow of chaos.* Paper presentation to the Annual Meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA.
84. Fry, P. G., Fleener, M. J., & McKinney, L. J. (1995, April). *An analysis of teacher-class interaction metaphors.* Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
85. Fleener, M. J. (1995, March). *Relationships among experience, philosophy and beliefs related to calculator use.* Paper presented at the Society for Information Technology & Teacher Education 6th International Conference, San Antonio, TX.
86. Fleener, M. J. (1995, February). *Attitudes, Chaos and fractals: Analyzing teachers' beliefs about calculators using complexity analysis.* Presentation at the Annual Meeting of the Research Consortium of Diagnostic and Prescriptive Mathematics, Las Vegas, NV.
87. Fleener, M. J., & Reynolds, A. (1994, November). *The relationship between preservice teachers' metaphors for mathematics learning and Habermasian interests.* Paper presented at the 16th Annual Meeting of Psychology in Mathematics Education – National (PME-NA), Baton Rouge, LA.
88. Fleener, M. J. (1994, October). *Experiments with randomness: Geometric probability and chaos using the graphing calculator.* Paper accepted for presentation to the Annual Meeting of the School Science and Mathematics Association (SSMA), Fresno, CA.
89. Fleener, M. J. (1994, July). *Contextual frameworks: A research study of teachers' beliefs about calculator use.* Paper presentation to the International Symposium on Mathematics/Science Education and Technology Conference, San Diego, CA.
90. Fleener, M. J. (1994, march). *Is experience enough? A survey of mathematics teachers' philosophies of calculator use.* Paper presentation to the 5th Annual Meeting of the Society for Technology and Teacher Education (STATE), Sponsored by the Association for the Advancement of Computing in Education (AACE), Washington, DC.

91. Fleener, M. J (1994, February). *Comparative study of preservice teachers', middle school students' and practicing teachers' metaphors for mathematics teaching and learning.* Paper presentation to the 21st Annual Conference of the Research Consortium for Diagnostic and Prescriptive Mathematics (RCDPM), Forth Worth, TX.
92. Fleener, M. J (1994, February). *Chaos theory and cognitive research: The need for new paradigms.* Paper presentation to the 21st Annual Conference of Research Consortium for Diagnostic and Prescriptive Mathematics (RCDPM), Fort Worth, TX.
93. Fleener, M. J (1993, April). *Proportional reasoning abilities of preservice elementary education majors: An epistemic model of the proportional reasoning construct.* Poster presentation at the Annual Meeting of the American Educational Research Association (AERA), Atlanta, Georgia.
94. Fleener, M. J., Westbrook, S. L., & Rogers, L. N. (1993, April). *Integrating math with 9th grade physical science classes: Developing students' proportional reasoning abilities.* Poster presentation at the Annual Meeting of the American Educational Research Association (AERA), Atlanta, Georgia.
95. Westbrook, S. L., Rogers, L. N., & Fleener, M. J. (1993, April). *Using concept maps to examine changes in 9th grade students' conceptions of electrical circuits in a learning cycle classroom.* Poster presentation at the Annual Meeting of the National Association for Research in Science Teaching (NARST), Atlanta, Georgia.
96. Westbrook, S. L., Rogers, L. N., & Fleener, M. J. (1993, April). *So what did you expect?: Examining student understanding of the concept of balance.* Paper presentation at the Annual Meeting of the National Association for Research in Science Teaching (NARST), Atlanta, Georgia.
97. Roth, M. W., Berehenson, S., Westbrook, S. L., & Fleener, M. J. (1993, April) *Achieving reform in science and math education: The challenge of integration.* Symposium presentation at the Annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, Georgia.
98. Westbrook, S. L., Fleener, M. J., & Rogers, L. N. (1993, April). *Why are we doing math in science?: Integrating mathematics and science curricula.* Paper presentation at the Annual Meeting of the National Science Teacher Association (NSTA), Kansas City, MO.
99. Fleener, M. J. (1993, March). *Graphing calculator: Networking strategies for inservice instruction.* Paper presentation at the International Conference of the Society for Technology and Teacher Education (STATE), San Diego, CA.
100. Fleener, M. J. & Westbrook, S. L. (1993, February). *Concepts used in science classes: Moving towards an integrated curriculum.* Paper presentation at the Annual Meeting of the Research Consortium for Diagnostic and Prescriptive Mathematics (RCDPM), Melbourne, FL.
101. Fleener, M. J. (1992, April). *University-school collaboration.* Invited panelist at the Precollege-University Partnerships for Math and Science Education Conference, Atlanta, GA.
102. Fleener, M. J. & Nicholas, S. N. (1992, April). *Facilitating change in mathematics education: A model of developmental change for administrators, teachers, and parents.* Paper presentation to the National Conference on Creating the Quality School, Norman, OK.
103. Fleener, M. J. (1992, February). *Assessment of mathematics and science concepts, principles, problem solving, inquiry, and communication.* Paper presentation to the Annual Meeting of the Research Consortium for Prescriptive and Descriptive Mathematics (RCPDM), Princeton, NJ.
104. McQuarrie, F., Chiodo, J., Fry, P., & Fleener, M. J. (1992, February). *The road to public school and university collaboration in the preparation of teachers for the 21st century.* Professional clinic presented at the 72nd Annual National Meeting of the Association of Teacher Educators (ATE), Orlando, FL.

105. Chiodo, J., McQuarrie, F., Fleener, M. J., & Fry, P. (1992, February). *Hiring and developing a new teacher education faculty: Creationism or evolution?* Thematic Session presented at the 72nd Annual National Meeting of the Association of Teacher Educators (ATE), Orlando, FL.
106. Fleener, M. J. (1991, February). *Inquiry cycle learning in undergraduate education: Applications of constructivist pedagogy that promote equity and cognitive growth.* Paper presentation to the National Conference for Enhancing the Quality of Teaching in Colleges and Universities, Charleston, S.C.
107. Fleener, M. J., & McQuarrie, F. (1991, January). *From the ground up: An institute for research in teacher education in a Holmes Group University.* Presentation to the Holmes National Conference, Washington D.C.

Invited Presentations

- Fleener, M.J. (2007, April). *Awakening Ideas and Creating Futures: Playing to Learn with Soft Eyes.* The Association for the Study of Play 33rd Annual Conference, Rochester, NY.
- Fleener, M.J. (2007, Jan.). *Changing Contexts for Colleges of Education.* Baton Rouge Chapter of Delta Kappa Gamma.
- Fleener, M.J. (2006, Nov). *Post-Katrina: College's of Education Getting Down and Dirty.* Presentation to the Southeast Regional Association of Colleges of Teacher Education, Baltimore, MD.

Regional Presentations for National Organizations

- Fleener, M.J. (2006, November 4). *Katrina: Lessons learned about education.* Southeastern Regional Association of Teacher Educators.
- Fleener, M.J. (2006, October). *Creating Partnerships with Charter Schools: What are the Positives?* Symposium presentation, Annual Meeting of the Council of Academic Deans from Research Institutions (CADREI), Savannah, GA.
- Fleener, M. J. (1998, October). *The science and mathematics of chaos and complexity: Changing paradigms for instruction.* NCTM Regional, Louisville, KY.
- Fleener, M. J. (1998, February). *Time travel: Modern day paradox of the infinite.* Regional Meeting of the NCTM, Dallas, TX, Feb. 12-14.
- Fleener, M. J. (1997, November). *History of mathematics past and future: Mathematical paradox from Zeno's infinite to Einstein's relativity.* Eastern Regional of the NCTM, Cleveland, OH, Nov. 6-8.
- Fleener, M. J. (1995, November). *Research on the implementation of calculators in mathematics teaching: Reflecting on teacher beliefs.* Presentation at the National Council of Teachers of Mathematics (NCTM) Regional Meeting, Houston, TX.
- Fleener, M. J. (1991, October). *Modeling, manipulatives, and the computer: Problem solving tools for middle school and high school mathematics.* Presentation to the combined conference of the Oklahoma Council of Teachers of Mathematics, the Oklahoma Science Teachers Association, and the School Science and Mathematics Regional Conference (UPLINK), Tulsa, OK.

State and Local Presentations

1. Fleener, M.J. (September, 2004). *Mathematical Wonderings: Lessons from the History of Mathematics.* Presentation to the Baton Rouge Council of Teachers of Mathematics.
2. Fleener, M.J., Richardson, K., Matney, G. (2004, January). *Expanding the Curricular Terrain.* Oklahoma Educational Studies Association Winter Conference, Stillwater, OK.

3. Fleener, M.J., Ingram, A., Smith, J, Richardson, K., Flournoy, V. (Nov, 2002). *GEAR UP Meets America Counts: Coordinating Efforts through Federal Funding Initiatives for Improving Student Achievement*. Oklahoma Association of Colleges of Teacher Education (OACTE)
4. Fleener, M.J. (2002, October). *Teaching Complexly*. Curriculum Studies Group. LSU
5. Fleener, M. J. (1999, June). *From clocks to chaos: Changing perspectives of nature*. Presentation to the 52nd Annual Meeting of the Oklahoma Council of Teachers of Mathematics
6. Fleener, M. J. (1997, February). *History of mathematics from Zeno to Einstein: Paradox and problems with infinity and time*. Central Oklahoma Association of Teachers of Mathematics Spring Conference
7. Fleener, M. J. (1996, September). *Time travel, dimensionality, and the infinite: Matching school mathematics and science with students' realities*. Presentation to the Northern Oklahoma Science and Mathematics Teachers' Workshop, Ponca City, OK
8. Fleener, M. J. (1996, July). *Excursions in dimensionality: Paradoxes of time travel and other mathematical oddities*. Presentation to the 49th Annual Meeting of the Oklahoma Council of Teacher of Mathematics, Oklahoma City, OK.
9. Fleener, M. J., Pourdavood, R., Montis, K. (1995, October). *Living in a fractional dimensional world: Explorations of mathematical chaos*. Presentation to the South Carolina Council of Teachers of mathematics.
10. Fleener, M. J., Montis, K., Pourdavood, R., (1995, August). *Flatland, Spereland and Fractal-land: Excursions into dimensionality*. Presentation to the 48th Annual Meeting of the Oklahoma Council of Teachers of Mathematics, Oklahoma City, OK.
11. Fleener, M. J. (1994, October). *How do I do this?: Research on the effects of teaching algorithms*. Presentation at the regional meeting of the National Council of Teachers of Mathematics (NCTM), Tulsa, OK.
12. Fleener, M. J. (1994, August). *Commercials, cartoons and calendars: Making connections with student realities*. Presentation to the 47th Annual Meeting of the Oklahoma Council of Teachers of Mathematics, Oklahoma City, OK.
13. Cumby, C., Fleener, M. J., Ochs, C., Pourdavood, R. (1994, August). *Cooperative learning and calculator applications*. Presentation to the 47th Annual Meeting of the Oklahoma Council of Teachers of Mathematics, Oklahoma City, OK.
14. Fleener, M. J. (1993, September). *Totally tubular topology*. Presentation at the meeting of the Central Oklahoma Association of Teachers of Mathematics (COATM), Oklahoma City, OK.
15. Fleener, M. J. (1993, September). *Probability simulations using the graphing calculator*. Presentation to the annual Meeting of the Northern Oklahoma Science and Mathematics Teachers, Ponca City, OK.
16. Fleener, M. J. (1993, August). *Mathematical modeling using the overhead graphing calculator*. Presentation to the Annual Meeting of the Oklahoma Council of Teachers of Mathematics (OCTM), Oklahoma City, OK.
17. Fleener, M. J. (1992, September). *Conservation of area and perimeter: Explorations in the middle school mathematics*. Presentation to the annual Meeting of the Northern Oklahoma Science and Mathematics Teachers, Ponca City, OK.
18. Fleener, M. J. (1992, April). *Applications for the CASIO graphing calculator that encourage problem solving and reasoning*. Presentation to the regional Meeting Oklahoma Council of Teachers of mathematics (OCTM), Altus, OK.
19. Fleener, M. J. (1991, June). *Mathematical models: Powerful tools for problem solving*. Presentations at the regional meetings of the Oklahoma Council Teachers of Mathematics (OCTM), Chickasha, OK and Edmond, OK.

20. Fleener, M. J. (1991, May & June). *Expected Learner Outcomes (ELO's) in Mathematics*. Panel discussant leader at the regional meetings of the Oklahoma Council of teachers of Mathematics (OCTM), Chickasha, OK, Edmond, OK, and Moore, OK.

TEACHING

Courses Taught

LSU

Graduate:

Chaos, Complexity, Curriculum, and Culture: A Conversation
Chaos and Complexity in Education
Education and the Concept of Time
Educational Understandings: Peirce & Poincare

University of Oklahoma

Undergraduate:

Intermediate and Middle School Mathematics Methods, 4-8
Fundamental Concepts and Methods of Teaching Mathematics, 7-12
Elementary Arithmetic for Teachers
Primary Mathematics for Teachers
Primary Mathematics Methods, N-3
Excursions in Dimensionality: Paradoxes of Time Travel and Other Mathematical Oddities
Elementary Mathematics Curriculum

Graduate:

Postmodern Conversations
Educational Futures
Theory and Research in Mathematics Education
History of Mathematics for Educators
Systems Theories and Learning Organizations
Middle School and Secondary Mathematics Curriculum: Theory and Research
The Use of Technology in the Teaching of Mathematics
Theoretical Issues in Instructional Leadership
Theory and Research in Education (AP)
Technology and Classroom Instruction (AP)
Developing Number Concepts in Grades K – 2
Mathematical Modeling, 7 – 12

Advising – Completed Dissertations – Chair

LSU

1. Lu, Lianfang (in progress)

University of Oklahoma

1. Forehand, Clydia, (December, 2005). *Journey into creativity.*
2. Richardson, Kerri, (August, 2005). *Creating spaces for learning in the mathematics classroom: A phenomenological study of pre-service teachers.*
3. Che, Megan, (May, 2005). *Cameroonian teachers' perceptions of culture, education and mathematics.*
4. Matney, Gabriel, (July, 2004). *The clearings of authentic learning in mathematics.*
5. Pourdavood, Ross, (December, 2003). *Students' engagement and problem type: A case study of four ninth-grade mathematics students.*
6. Bolin, Phyllis, (July, 2003). *Mathematics in a ubiquitous computing environment: Communication, roles, and sense.*
7. Young, Elaine, (September, 2002). *Unpacking mathematical content through problem solving.*
8. Reeder, Stacy, (July, 2002). *Emergent mathematics curriculum: A case study of two teachers.*
9. Adolphson, Keith, (July, 2002). *Mathematical embodiment through robotics activities.*
10. Brintnall, Sheila, (May, 2002). *E-mentoring: A case study of the viability and benefits of electronic mentoring with beginning teachers in rural schools.*
11. Beatty, Rochelle, (December, 2001). *The relationship among language, classroom discourse, cognitive development, achievement, and vocabulary of developmental mathematics students.*
12. Rose, Jacquinita, (April, 2001). *Impact of an internet project on college mathematics students' discourse and meaning making.*
13. Ahmadifar, Gholam H., (April, 2000). *Impact of culture circles on minority high school students in mathematics.*
14. Darby, Dana, (April, 2000). *A critical exploration of developmental mathematics students' conceptions of the role of mathematics in society.*
15. Dupree, Gloria Nan Donaldson (April, 1999). *Mathematical empowerment: A case study of relational classroom learning.*
16. Johnson, Sandra Scaffeta (February, 1999). *The relationship among the cognitive development level, learning style, achievement, and retention of preserved elementary teachers in a content course in mathematics.*
17. Montis, Kris K. (August, 1997). *Kay: A case study of learning difficulties in mathematics and reading.* (Co-chaired with Anne Reynolds)
18. Pourdavood, Roland G. (May, 1996). *Dialogic community: Four elementary teachers' dialogue on mathematics teaching.*
19. Chen, Jacy (Fall, 1994). *A meta-analysis of the effectiveness of computer-based instruction in mathematics.*
20. Saleh, Umaru (Fall, 1994). *Motivational orientation and calculus students' understanding of limits and continuity.*
21. Mather, Jeanne (August, 1994). *Student perceptions in the mathematics classroom: A study of how African American, Hispanic, and Native American fifth and sixth graders perceive mathematics and the mathematics classroom.* ILAC – Elementary Education.
22. Nicholas, Sacra (May, 1994). *An investigation of teacher reflection: Four mathematics teachers reflect on education.*
23. Easley, Rebecca (May, 1994). *The development and evaluation of the mathematics assessment of performance and communication (MAPC) test.* (Co-chaired with Curtis McKnight).
24. Ferguson, Vicki (May, 1993). *Developing mathematical conceptions: A study of conceptual, skill and pedagogical differences in integer conceptions of preservice teachers – An expository approach vs. a constructivist approach.* (Co-chaired with Curtis McKnight).

Advising – Completed Masters Theses – Chair

LSU

1. Capoccia, Maria (2008). Comprehensive Exam
2. Meng, Lingqi (2007). Comprehensive Exam

University of Oklahoma

1. Lu, Lianfang (2005). *The perspectives of Chinese secondary high school mathematics teachers regarding use of technology in mathematics teaching and learning.*
2. Wakefield, Jana (2004). *Second Graders' Attitudes Toward and Use of Video Games for Learning.*
3. Flournoy, Vicki Darlene, (2002). *Mathematics beliefs of undergraduate majors.*
4. Allen, Twyla Daynette (2001). *Turning Marching into Dancing: A Critical Analysis of Mathematics Curriculum and Learning.*
5. Weger, Elayne (1998). *Beyond Mentoring: A Study of the Effect of Teacher Support on Professional Growth and Career Longevity.*
6. Wood, Shawn (1995). *Learning algebra through programming graphing calculators.*
7. Young, Dalton (1991). *An exploratory study into the attitudes of Algebra I students.*

Advising – Completed Master Projects – Chair

University of Oklahoma

1. Pratt, Jeffrey J. (2001). *Implementing Constructivism and Technology into the Classroom.*
2. Richardson, Kerri Danielle, (2001). *Adventure Engineering: Development of a middle school science and math curriculum.*
3. Perry, Audra, (2000). *My Mirror: Reflections of my first five years of teaching.* ILAC – Elementary Mathematics Education.
4. Howey, Christopher (1998). *Learning Geometry through the Simulation Model of Teaching – ILAC Generalist*
5. Onan, Rebecca (1998). *The Changed Student: A Discussion of the Effects of Technology on the Student Brain.*

Teaching Awards

Outstanding Teaching Award, College of Education, 1995.

Outstanding Teaching and Service Award, Central Oklahoma Association of Teacher of Mathematics (COATM), 1994.

Service/Leadership Awards

Outstanding Leadership and Service Award, Oklahoma Council of Teachers of Mathematics Award, 2002

Research Awards

Professors of Curriculum, inducted 2006

SERVICE

Professional Service

National Service

Officer in national organizations

Chapter Member Liaison, Region CI, 2008-2011, Phi Delta Kappa International
Treasurer, 2002-2004, Research Council for Mathematics Learning
Chair, Chaos and Complexity Special Interest Group of the AERA, 1998 – 2001
Vice President of Publications – Research Council for Diagnostic and Prescriptive
Mathematics, 1997 – 1999

Committees in national organizations

Dissertation Awards Committee, Phi Delta Kappa International, 2009.
Conference Chair, Research Council for Mathematics Learning in 2004, 2003-2004.
Conference Chair, NCTM Regional in 2002, 1999 – 2002
Conference Co-chair, RCDPM 1997, 1996 – 1997
Finance Committee, School Science and Mathematics Association, 1993 – 1999
Dissertation Award Selection Committee, District III, Phi Delta Kappa, 1992, 1994
Phi Delta Kappa, Chapter Member Liaison, Region II, 2008-2010

National advisory boards

Teaching Excellence and Achievement (TEA) Selection Committee, U.S. State
Department, Education Programs Division, International Research and Exchanges Board,
2009

Advisory Group for the joint project of AACTE and the National Center for Educational
Accountability (NCEA), 2006-2007

Current National Editorial Boards

Journal of Curriculum & Pedagogy
Non-linear Dynamics in Psychology and the Life Sciences (NDPLS)
International Journal of Instruction, 2008 – present, <http://www.e-iji.net>

National Consulting

Sage Publications, 2003
D.C. Heath, 1991 – 1992

Reviewer professional journals

Journal of School Leadership (2001 - 2006)
Action in Teacher Education (2000 - present)
Journal for Research in Mathematics Education (1993 – present)

Journal of Teacher Education (1993 – 1995)
Mathematics Teaching in the Middle School (1993 – 2005)
Mathematics Thinking and Learning: An International Journal (2003 - present)
Nonlinear Dynamics, Psychology, and the Life Sciences (2003-present)
International Journal of Qualitative Studies in Education

Reviewer for national conference paper presentations

American Educational Research Association (AERA)

- Research in Mathematics Education Special Interest Group (SIG/RME), 1994 – 2003
- Chaos & Complexity Theories Special Interest Group, 1997 – present
- Division C, 1997 – present
- Organizational Theory SIG, 1999-2000
- Division B2, Curriculum Theorizing, 2000 - present
- Holistic Education SIG, 2000 - 2007

Psychology in Mathematics Education – National (PME-NA), 1994 – 1996

American Association of Colleges for Teacher Education (AACTE), 1994

Reviewer for NCATE (Nationally Trained Reviewer – NCTM)

National mathematics folios for NCATE Accreditation reviewer, 1996, 2001

Oklahoma Commission on Teacher Preparation (OCTP)/NCATE folio review teams for mathematics, 1999-2004.

Delegate to national/international assemblies (elected)

Phi Delta Kappa, two terms, 1992 – 1994, 1994 – 1996

National Council of Teachers of Mathematics, 1993 – 1995, 1997

Regional Service

Southeastern Conference (SEC) Council of Deans

Chair, 2008-2009

Regional Consulting – Grant Reviewer

Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST)

Expert Review Panel for the Southwest Educational Development Laboratory (SEDL), Austin, TX, 1992 – 1998.

State and Local Service

Advisory boards/board of directors

Louisiana

Department of Education Educational Leadership Professional Learning Community

Louisiana JumpStart Coalition Member

LSU College of Engineering STEP ENG² Advisory Board
Blue Ribbon Commission Advisory Board to the Board of Elementary and Secondary Education
Baton Rouge Literacy Coalition
Volunteers in Public Schools (VIPS) – Baton Rouge
Partners In Education Advisory Board – Baton Rouge
Youth Leadership Committee – Baton Rouge
East Baton Rouge Parish Public Schools Guiding Coalition
Academic Distinction Fund Advisory Board – Baton Rouge
SACS/CASI Louisiana Council Advisory Board

Oklahoma

Math 2001 – State Regents, 1998 – 2004
Coalition for the Advancement of Science and Mathematics in OK (CASMEO), 1997 – 2004
Moore-Norman Technology Center - Learning Skills Center, OK, 1990 – 2004
Educational Enrichment Advisory Committee, 1998 – 2000
Aim-Hi State Mathematics Contest, OK 1992 – 1997
Oklahoma Aerospace Academy Tutoring Program, 1992 – 1994
North Carolina Center For Mathematics and Science Education, UNC, 1983 –1988
Norman Chamber of Commerce Education Subcommittee, 2003-2004

Elected offices in state affiliated professional organizations

Phi Delta Kappa (PDK) – LSU Chapter #0049, President, 2008-2010

Oklahoma Council of Teachers of Mathematics (OCTM)

- Conference Chair, NCTM Regional OKC 2002, 1999 – 2002
- OU/OSU Representative, 1989 – 1993, 1995 – 1999, 2001-2005
- NCTM Representative, OCTM, 1993 – 1995
- Newsletter Co-Editor (Middle School), 1994
- Conference Co-chair for the 45th Annual Conference of OCTM, 1992

Central Oklahoma Association of Teachers of Mathematics (COATM)

- NCTM Representative, 1996 – 1997
- President, 1995 – 1996
- President – Elect, 1994 – 1995

Phi Delta Kappa (PDK), Chapter 0025

- Vice – President (Membership), 1990 – 1993
- Delegate to International Congress, 1992 – 1996
- Research Awards Review Committee, 1997 – 1998

State reviewer for grant proposals

Proposal Evaluator, Dwight D. Eisenhower Mathematics and Science Education Program,
Oklahoma State Regents for Higher Education, December, 2001

Proposal Evaluator, Dwight D. Eisenhower Mathematics and Science Education Program,
Oklahoma State Regents for Higher Education, November, 1995

Proposal Evaluator, Youth Academies, Oklahoma State Regents for Higher Education,
November, 1996

State Consulting

Bartlesville Public Schools, Mathematics Assessment Initiative, Bartlesville, OK, 2002-2003.
Tahlequah Public Schools, Middle School Mathematics Improvement Study, Tahlequah, OK,
1992 – 1993 school year

Oklahoma State Department of Public Instruction, chaired the following committees

- Mathematics Grades 5 – 8 Companion document to Priority Academic Student Skills (PASS), June 1994
- Mathematics Grades 5 – 8 Priority Academic Student Skills (PASS) review for state Criterion Referenced Testing, June 1993
- Mathematics Grades 5 – 8 Priority Academic Student Skills (PASS) development committee, February 1993
- Student Competencies for College Success development committee, June 1992 – April 1993
- Expected Learner Outcomes in Mathematics development committee, February 1991 – May 1991

Oklahoma State Department of Public Instruction, committee participation

- Selection Committee for the State Mathematics Teacher of the Year, State Department of Education, 2001
- Oklahoma School Testing Program, O-SAT Validity Verification and Standard Setting, November 1999
- Oklahoma School Testing Program, Item Review for Mathematics Certification tests, 1998
- Oklahoma School Testing Program, Item Review Panel for state CRT, September 1995
- Oklahoma School Testing Program, Item Analysis of Pilot Date for PASS, September 1994
- Oklahoma School Testing Program, Item Review Panel, December 1993 – January 1994
- Oklahoma School Testing Program, Criterion Referenced Testing (CRT) Bid Evaluation Committee, Mathematics, June – 1993 and August 1993
- Presidential Awards for Excellence in Mathematics Teaching, March 1995
- Presidential Awards for Excellence in Mathematics Teaching, April 1992
- Presidential Awards for Excellence in Mathematics Teaching, May 1990
- Committee to write objectives for the state mandated CRT, April 1990

Louisiana Board of Elementary and Secondary Education

- High School Redesign Commission, Preparation and Development of Educators Work Group, 2005

Professional Affiliations

National and International Affiliations

International Association for the Advancement of Curriculum Studies (IAACS)
American Association for the Advancement of Curriculum Studies (AAACS)
Society of Philosophy and History of Education (SOPHE)
Association of Curriculum and Pedagogy
Professors of Curriculum (POC)
National Council Teachers of Mathematics (NCTM)
Research Council for Mathematics Learning (formerly RCDPM)
Association for Supervision and Curriculum Development (ASCD)
American Education Research Association (AERA)
Phi Delta Kappa (PDK)
American Association of Colleges for Teacher Education (AACTE)

State and Local Affiliations

Louisiana Association of Colleges of Teacher Education (LACTE)

Service Workshops, In-Services and Other Presentations

1. LSU Coast and Environment Brown Bag, *Scientific Futures: PK-20 Education Imperatives*, February 20, 2009.
2. Volunteers In Public Schools Partners Workshop, *Nurturing, Developing, and Empowering Tomorrow's Students Today!*, February 12, 2009.
3. Region II Area Superintendents, Baton Rouge, LA., *State of the College of Education*. December 11, 2008
4. Southern University Chapter of Phi Delta Kappa Keynote Speaker, *Nurturing, Developing, and Empowering Leaders in Education Today for Tomorrow*, December 7, 2008
5. Kappa Delta Epsilon Chapter Initiation Keynote Speaker, *Engaging the Future*, November 23, 2008
6. Eduventures Colleges/Schools of Education Learning Collaborative On-Line Focus Meeting, *Faculty Productivity: Policies, Practices and Problematics*. November 11, 2009.
7. LSU Class Presentations - 2008
 - a. ELRC 7300 (Fall, 2008). Curriculum Studies: Roles, Responsibilities and Resources
 - b. ELRC 7605 Law & Ethics in Higher Education (Fall, 2008). Tenure & Promotion and Academic Freedom
 - c. ELRC 7603 (Fall, 2008). Higher Education Leadership: Dean's Dilemma – Living Core of the Deanship
 - d. Higher Education Graduate Student Orientation (Fall, 2008)
8. CADREI (October, 2008). *P-20 Councils and Colleges of Education: Possibilities, Problematics and Politics*. Newport, RI.
9. LSU Honors College, *Curriculum Reform in China: A Complex Conversation*, Nov. 2007
10. Greater Baton Rouge LSU Alumni Association, *Delta Express: College of Education Collaborative Project at the Renaissance Village FEMA Trailer Park*, April, 2007.
11. LSU GEAR-UP Collaborative Team Workshop, *Colleges In Action*, January, 2007.

12. LSU College of Education Faculty Research Brownbag, *Reinventing colleges/schools of education*, October 27, 2006
13. LSU Student Teaching/Interns, *Educational Futures*, Fall, 2006
14. East Baton Rouge Parish School System, Teach Baton Rouge, *Teaching Complexly*, Summer, 2006.
15. LSU Geaux Teach, *Teaching Complexly*, Summer, 2006
16. LSU Lab School, University High National Honor Society Induction, *The History of America's Future*, Spring, 2006
17. LSU Student Teachers/Interns, *Who Are Your Educational Heroes?*, Spring, 2006
18. LSU STEP THRU STEM Summer Teacher In-Service, *Historical Understandings, Future's Unleashed*, Summer, 2005
19. Nichols State University, *Curriculum Dynamics*, Summer, 2005
20. KDE, *Creating Educational Futures*, Spring, 2005
21. LSU College of Education, Holmes Graduates, *Passions, Paths, and Possibilities*. Fall, 2004.
22. Mid/Del Public Schools, Middle school teacher preparation for mid-level mathematics certification exams, November – May 1999 – 2000
23. Mid/Del Public Schools/Rose State Mathematics Consortium, *What is Modern About Modern mathematics: Explorations of the Infinite*, November 1995, 2 hours
24. Phillips Petroleum, *Calculators in the Classroom: More than a Computational Tool: Problem Solving and Cooperative Learning using the TI-Explorer*, Presentation to middle school mathematics teachers, September 1995, 4 hours in Tulsa and 4 hours in Oklahoma City
25. Oklahoma State Department of Education, Chapter, I, *Empowering Students for Success: Problem Solving and Cooperative Learning*. Presentation to 7 – 12 mathematics teachers, principals, and Chapter I coordinators, June 1995, 1.5 hours
26. Mid/Del Public Schools, Oklahoma City, *Cooperative learning and calculators*. Presentation to 6 – 12 grade mathematics teachers, September 1994, 3 hours
27. Norman Public Schools, Norman, OK, June 1994, *Powerful manipulatives: K – 12 applications for tangrams*, Presentation to K – 12 mathematics teachers, 3 hours
28. Mathematics Education Faculty, Oklahoma State University, Stillwater, OK, December 1993. *Graphing calculator applications: a Casio project update*, 1.5 hours
29. University of Oklahoma, Norman, OK, October 1993, *Training of trainers workshop for graphing calculator dissemination-Phase II*, 1 day
30. University of Oklahoma Norman, OK, *Practicum for clinical instructors training*, Summers 1991 - 1994, 3 hours each summer
31. University of Oklahoma, Norman, OK, May 1992, *Training of trainers workshop for graphing calculator dissemination-Phase I*. 1 day
32. West Mid-High, Norman, OK, March 1991, *Incorporating alternative materials and strategies in the teaching of high school mathematics: Management issues and concerns*. 1 day
33. Santa Fe Elementary School, Moore, OK, March 1991, *Mathematics anxiety: Research results and preventative measures*, faculty presentation, 2 hours
34. University of Oklahoma, Norman, OK, February 1991, *An Introduction to TE-PLUS for Public School Administrators and Counselors*, Presentation to public school superintendents, principals, and counselors, 3 hours
35. Norman Retired Teachers Association, Norman, OK, February 1991, *An Introduction to TE-PLUS for Retired Teachers*, 3 hours
36. Norman Public Schools, Norman, OK, October 1990, *Implementing the Standards in middle school mathematics*. Presentation to mathematics teachers in grades 6 – 12, 1 day
37. Oklahoma Center for Continuing Education, OU, June 1990, *Developing math concepts in K – 2 mathematics*. 3 days
38. Center for Mathematics and Science Education, UNC-CH, Fall 1988, *Teaching the advanced placement computer science curriculum-scope and sequence*, 1 day

39. Center for Mathematics and Science Education, UNC-CH, Summer 1988. *Abstract data structures and the second semester AP computer science curriculum*, 8 days
40. Center for Mathematics and Science Education, UNC-CH, Spring 1988, *Introduction to Pascal*, 3 days
41. Center for Mathematics and Science Education, UNC-CH, Summers 1983 – 1984. Learning BASIC, 15 days each summer
42. Division of Arts and Science, UNC-CH, Summer 1984, Faculty Training project using the IBM- PC, 10 days

University Service

University Level

Elected committee work - OU

Faculty Senate, 1998 – 2001
 Athletic Council, 1998 – 2002 (chair, 2000-2001), Program Review (2003)
 Gender Equity Subcommittee of the Athletic Council, 1998-2000, (chair), 2001-2002,
 (Chair of gender equity subcommittee for developing five year plan, 2003-2003)
 University Copyright Committee, 1996 – 1997
 Graduate College Academic Appeals Panel, 1994 – 1995
 Lottinville Prize Selection Committee, 1991 – 1994

Other University Service

LSU

Center for Computation and Technology (CCT) Executive Advisory Committee,
 LSU, (2005-2006)
 Service Learning Advisory Council, LSU, (2005-Present)
 Internationalization University Task Force (2008-Present)

OU

Director, Independent and Distance Education, College of Continuing Ed, 2003
 International Exchange Programs Advisory Committee, 2000-2004
 Music Education Faculty Search Committee, 2000-2001
 Search Committee, Dean of Arts and Sciences, 1996 – 1997
 Speakers Service, 1996 – 1997, Topics: Chaos Theory and Learning Organizations:
 Transforming Schools and Preparing our Children for the 21st Century: Who,
 What, and How?
 Speakers Service, 1995 – 1996, Topic: Chaos Theory and Learning Organizations:
 Transforming Schools
 Speakers Service, 1994 – 1995, Topic: National Standards and Mathematics Learning

College Level Service

Elected committee work – OU College-Level Service

College of Education Faculty Governance, 1997 – 1999
Education Professions Divisions (EPD) executive committee, 1991 – 1993, 1998 – 2000
Chair of Certification Chairs subcommittee of EPD, 1995 – 1996
College of Education Computer Committee, 1995 – 1998
Division of Teacher Education (DTE) executive committee, 1992 – 1994
College of Education Academic Misconduct and Appeals Board, 1991–1993, 1993–1996

Other committee work – OU College-Level Service

Administrative Council, 1999-2004
Graduate Student Advisory Council (faculty sponsor), 1999-2004
Chair, Mathematics Certification Committee, EPD, 1990-2004
Chair, Graduate Student Advisory Council, 1999-2004
Chair, College of Education Research Committee, 1999-2004
COE Administrative Council, 1999 – 2004
COE Board of Advocates, 1999 – 2004
EPD Advisory Board, 1999 – 2004
Norman Public Schools Leadership Committee, 1999-2004
Dean's Facilitators Committee, 1995 – 1996, 2003 - 2004
Graduate Teaching Assistant Awards Selection Committee, 1992
College of Education Scholarship Selection Committee, 1990 – 2004
Elementary Education Certification Committee, 1991 – 2004
College of Education Outstanding Senior Selection Committee, 2002
College of Education Academic Misconduct, chair, 1999-2004
TEACH test review of non-native speakers, 2000-2002
TE-Plus Task Force 2003-2004

Departmental Service

Governing Committees - OU

Committee A (departmental governing committee with 2 elected faculty representatives),
1995 – 1997
Graduate Studies Committee (1993 – 1994, 1995 – 1997, 2002 – 2005)

Program Development - OU

Coordinator, Mathematics Education Program Area, 1989 – 2004
Certification Chair, Mathematics Education, 1991-2004
Director, Institute for Research in Teacher Education, 1990 – 1991
Department Liaison, Departmental Review, 1990
NCATE coordinator, World of Practice section, 1990