

2. RESIDENT INSTRUCTION

a. Teaching

University of Georgia (courses taught 1990-present):

ESCI 441, Foundations for Science Teaching
 ESCI 442/ESCI 4420, Science in Early Childhood
 ESCI 442, Science for Early Childhood Education (Pre-K Program)
 ESCI 443, Life Science Curriculum in the Middle School (with D. Jackson)
 ESCI 620, Science and the Environment
 ESCI 642 (now ESCI 6420), Science for Early Childhood
 ESCI 703, Teaching Science to Students with Special Needs
 ESCI 704, Teaching Strategies for Middle School and Secondary Science Teachers
 ESCI 765, Applied Project in Science Education
 ESCI 820, Science Supervision
 ESCI 899, Science Education Seminar: Critical/Contemporary Issues in Science Education
 ESCI 963, Critical Literature in Science Education
 EDEC/EDMS 8010, Action Research in Elementary and Middle School Education
 ESCI 5470/7470, Reflections on Science Teaching
 ESCI 9730, Research in Science Teacher Education
 ESCI 8100, International Science Education
 ESCI 7650, Applied Project in Science Education
 ESCI/EDUC 7648, Contextual Teaching and Learning in the Schools
 ECE 700, Early Childhood Education
 EDEC 7010, Current Trends in Early Childhood
 ECE 705, Problems of Teaching in Early Childhood (Gwinnett Center)
 ECE/EMS 807, Research and Perspectives on Teacher Education
 ECE/EEL 963, Critique of Educational Literature in Early Childhood and Elementary

Education

EDEC 4040, The Social Context of Early Childhood Education
 CIE 605, Innovations in Curriculum, Instruction and Evaluation, West Visayas State University
 EDUC 109, Community Integration and Immersion, West Visayas State University
 EDUC 106, Introduction to Educational Research, West Visayas State University

Florida State University -- courtesy appointment (1991):

ESC 6938, Advanced Doctoral Seminar in Science Education

Clemson University (1989-1990):

ED 634, Integration of Higher Order Analytical and Problem Solving Skills into the Science
 and Mathematics Curriculum
 ED 633, Health Education for Middle School Teachers

ED 632, Strategies and Techniques for Science Teachers, Grades 1-6
ED 485, Methods and Materials of Elementary Science and Math

b. Supervision

Student Teachers (The University of Georgia):

ECE 546 Student Teaching in Early Childhood Education
ESC 546 Student Teaching in Science Education

Student Teachers (Florida State University):

EDC 6675, Supervision of Secondary Student Teachers

Students Teachers (Clemson University):

ED 481, Directed Teaching: Supervision of Elementary Teachers

c. Advising

Graduate Students:

Currently serving as elementary education advisor for 12 M.Ed. students.

Currently serving as science education advisor for 5 BS. Ed., 12 M.Ed., 3 specialist, and 5 Ph.D. students.

Over the past fourteen years, have advised 180 M.Ed. students in the science education department and 90 M.Ed. students in the elementary education department.

Over the past fourteen years, have served as first-year advisor for 22 science education Ph.D. students.

Undergraduate Students:

Currently serve as a mentor for 6 undergraduates in the Honor's Program

Have advised approximately 75 undergraduates in science education.

3. SCHOLARLY ACTIVITIES

a. Publications

An asterisk identifies a publication that has gone through stringent editorial review.

Books authored or co-authored:

Kincheloe, J., Steinberg, S., & Tippins, D. (1999). *The stigma of genius: Einstein, consciousness, and education* (revised 2nd ed.). New York, NY: Peter Lang Publishing.

*Kincheloe, J., Steinberg, S., & Tippins, D. (1992). *The stigma of genius: Einstein and beyond modern education*. Durango, CO: Hollowbrook Communications, Inc.

*Tippins, D. (1993). *Earth science experiments* (video series and teachers' guide), American

Books edited or coedited:

Koballa, T. & Tippins, D. (2004). *Cases in middle and secondary science education: The promises and dilemmas* (revised 2nd edition). Columbus, OH: Prentice-Hall/Merrill Publishing, Inc.

Barcenal, T. L., Bilbao, P. P., Morano, L. N., Nichols, S. E., & Tippins, D. J. (2002). *Just in case: Encounters in elementary science and mathematics teaching and learning*. Iloilo City: West Visayas State University Press.

Tippins, D., Koballa, T. & Payne, B. (2002). *Learning from cases: Unraveling the complexities of elementary science teaching*. Needham Heights, MA: Allyn & Bacon Publishing, Inc.

Koballa, T., & Tippins, D. (2000). *Cases in middle and secondary science education: The promises and dilemmas*. Columbus, OH: Prentice-Hall/Merrill Publishing, Inc.

Chapters in books:

Nichols, S., Tippins, D., Morano, L., Bilbao, P. & Barcenal, T. (2005). Creating community-based science education research: Narratives from a Filipino barangay. In G. Spindler (Ed.), *Innovation in Educational Ethnography: Theory, Methods & Results* (pp. 345-377). New York: Lawrence Erlbaum.

Tippins, D. & Ritchie, S. (2005). Culturally relevant pedagogy in science education. In K. Tobin (Ed.), *Science education: An encyclopedia*. New York: Greenwood publishing company.

Tippins, D. & Bhukhanwala, F. (2005). Theatre of the oppressed pedagogy: A tool for fostering critically reflective science teachers. In K. Tobin (Ed.), *Science Education: An encyclopedia* (pp. 345-377). New York: Greenwood Publishing Company.

Bryan, L., & Tippins, D. (2005). Employing case-based pedagogy within a reflective orientation to elementary science teacher preparation. In K. Appleton (Ed.), *Elementary science teacher education: Issues and practice* (pp. 299-315). Dordrecht, The

Netherlands: Kluwer.

- Bilbao, P., Morano, L., Aranador, L., Nichols, S. & Tippins, D. (2004). *Building a Community of researchers through collaboration: The WVSU/UGA experience*. In Proceedings of the Asia Pacific Conference on Higher Education Research (pp. 38-52). Manilla, Philippines.
- Silva, T., Tippins, D. & Nichols, S. (2004). Where have all the ipil-ipil trees gone? Science education through the politics of poverty. In Neuhardt-Pritchett, S., Payne, B. D., & Reiff, J. C., (Eds.). *Diverse perspectives on elementary education: A casebook for critically analyzing issues of diversity* (pp. 41-46). Needham Heights, MA: Allyn Bacon.
- Nichols, S. & Tippins, D. (2003). Community-based science education leadership enacted in a Filipino barangay. In J. Wallace & J. Loughgran (Eds.), *Leadership and professional development in science education: New possibilities for enhancing teacher learning* (pp. 81-96). New York and London: Falmer.
- Giles, N. Leach, P., McGinnis, J. R. & Tippins, D. J. (2002). The crash course: Managing inquiry. In J. Wallace and W. Louden (Eds.). *Dilemmas of science teaching: Perspectives on problems of practice* (pp. 59-71). London: Falmer Press.
- Bilbao, P., Morano, L., Barcenal, T., Castellano, M. A., Nichols, S. & Tippins, D. J. (2002). Changing traditions of science teacher professional development in the Philippines. In P. A. Fraser (Ed.), *Professional development of science teachers: Local insights with lessons for the global community* (pp. 70-87). New York: Taylor & Francis, Inc.
- Tippins, D., Nichols, S., Atwater, M. M. & Aikenhead, G. S. (2002). Culture and ethnicity: Igloos and icebergs. In J. Wallace & w. Louden (Eds.) *Dilemmas in science teaching: Perspectives on problems of practice* (pp. 86-97). London: Falmer Press.
- Koballa, T. R., & Tippins, D. J. (2001). Portraits of professional development models in science teacher education: A synthesis of perspectives and issues. In D. Lavoie & W. M. Roth (Eds.). *Models for science teacher preparation: Bridging the gap between research and practice* (pp. 70-87). Dordrecht, The Netherlands: Kluwer.
- Tippins, D., & Nichols, S. (2001). Leadership in a multicultural world: Transforming today's science classrooms. In P. Bowers & J. Rhoton (Eds.), *Professional development and the diverse learner*, (pp. 99-111). Arlington, VA: National Science Education Leadership Association/National Science Teachers Association.
- *Tippins, D., Nichols, S., & Bryan, L. (2000). International science educators' perceptions of scientific literacy: Implications for science teacher education. In S. Abell (Ed.), *Science teacher education: An international perspective, Yearbook of the Association of Educators*

of Teachers of Science, (pp. 193-221) Dordrecht, The Netherlands: Kluwer.

- *Dana, T., & Tippins, D. J. (1997). Portfolios, reflection, and educating prospective teachers of science. In K. Tobin & B. Fraser (Eds.) *The International Handbook of Science Education*. (pp. 719-732), Dordrecht, The Netherlands: Kluwer.
- Veal, W. & Tippins, D. J. (1996). Action research: Creating a context for science teaching and learning. In J. Rhoton and P. Bowers (Eds.). *Issues in Science Education. NSSA/NSTA fifth source book for science leaders*. (pp. 81-87). Arlington, VA: National Science Teachers Association.
- *Nichols, S., Tippins, D., & Crockett, D. (1996). Educational environments for the teaching and learning of science. In D. McIntyre and D. Byrd (Eds.). *Preparing tomorrow's teachers: The field experience*. (pp. 243-270). *Teacher Education Yearbook IV*: New York: Harcourt, Brace & Jovanovich.
- Veal, W. R., Jackson, D. F., Tippins, D. J. Crockett, D. & Finnegan, B. (1995) Alternative and supplemental definitions of "technology": Science educators' answers to "So what?" In F. Finley, (Ed.), *Proceedings of the Third International Conference on the History and Philosophy of Science and Science Teaching*. (pp. 1238- 1248). Minneapolis: College of Education, University of Minnesota.
- Roychoudhury, A., Tippins, D. J., & Scantlebury, K. (1995). *Science is all around: A gender-inclusive science teaching*. In D. R. Baker & K. Scantlebury (Eds.), *Science "Coeducation": Viewpoints from gender, race and ethnic perspectives* (pp. 109-122). NARST Monograph #7. (Invited).
- *Tobin, K., & Tippins, D., & Hook, K. (1995). Students' beliefs about epistemology, science,
- *Gallard, A. J., & Tippins, D. J. (1994). Language diversity and science learning: The need for a critical system of meaning. In B. McLeod (Ed.), *Language and learning: Educating linguistically diverse students* (pp. 269-288). New York: State University of New York Press.
- *Tobin, K., Tippins, D., & Gallard, A. (1994). Research on instructional strategies for science teaching. In D. Gable (Ed.), *Handbook of research on science teaching and learning* (pp. 45-93). New York: Macmillan.
- *Kagan, D., & Tippins, D. J. (1993). Classroom cases as gauges of professional growth.
- *Tippins, D., Kagan, D., & Jackson, D. (1993). How teachers translate learning theory into instruction: A study of group problem solving by prospective secondary science teachers. In P. A. Rubba, L. M. Campbell, & T. M. Dana (Eds.) *Excellence in educating teachers of*

science: The 1993 yearbook of the Association of Educators of Teachers of Science (pp. 55-68). Columbus: ERIC Clearinghouse for Science, Mathematics, and Environmental Education.

*Tobin, K. & Tippins, D. (1993). Constructivism as a referent for teaching and learning. In K. Tobin (Ed.), *The practice of constructivism in science and mathematics education* (pp. 3-22). Washington, DC: American Association for the Advancement of Science.

Tippins, D. J., Tobin, K., & Hook, K. (1992). Ethical decisions at the heart of science teaching: Reframing assessment dilemmas from a constructivist perspective. In S. Hills (Ed.), *Proceedings of the Second International Conference on the History and Philosophy of Science and Science Teaching* (pp. 513-526). Kingston, Ontario, Canada: Queen's University.

Monographs: None

Journal articles:

Butler, M., Lee, S. & Tippins, D. (accepted for publication). Case-based pedagogy as an instructional strategy for understanding diversity: Preservice teachers' perceptions. *Multicultural Educator*..

Bryan, L. A., & Tippins, D. J. (2005). The Monets, VanGoughs and Renoirs of science education: Writing impressionistic tales as a strategy for facilitating prospective teachers' reflection on science experience. *Journal of Science Teacher Education*, 1-13.

Bilbao, P. P., Morano, L., Barcenal, T. L., Nichols, S. E. & Tippins, D. J. (2003). "Seeds" as multiple resource for an interdisciplinary curriculum in basic education. *Philippine Research Journal of Teacher Education*, January - December, pp. 16-39.

Nichols, S. Tippins, D. Morano, L., Bilbao, P. & Barcenal, T. (2003). A narrative study of community, change and science education through case-based pedagogy and research. *International Journal of Science Education*, 110-126.

Oliver, S. J., Jackson, D. F., Chun, S., Kemp, A., Tippins, D. J., Leonard, R. & Kang, N. (2001). The concept of Scientific literacy: A view of the current debate as an outgrowth of the past two centuries. *Electronic Journal of Literacy Through Science*, 1(1), 1-33.

Arellano, E., Barcenal, T., Bilbao, P., Castellano, M., Nichols, S. & Tippins, D. (2001). Case-based pedagogy as a context for collaborative inquiry in the Philippines. *Journal of Research in Science Teaching (special issue on Language and Culture)*, 38, 1-17.

Bilbao, P., Arellano, E. L., Barcenal, T. L., Castellano, M. A., Nichols, S. & Tippins, D. (2001). Using case-based pedagogy in the Philippines: A narrative inquiry. *Research in*

Science Education, 34, 67-88.

Pate, P. E., Nichols, S. & Tippins, D. (2001). Preparing science teachers for diversity through service learning. *Science Educator*, 10(1), 10-18.

Tippins, D. Kemp, A., Ogura, Y., Bryan, L. Ikeda, H., Keys, C., Padilla, M., Riley, J., Thomson, N., Takemura, S., Akiyama, M., Ochiai, H., Isozaki, T., & Oshika, K. (2000). Learning to teach science: The curriculum of student teaching in Hiroshima attached schools. *Journal of Science Teacher Education*, 11(3), 1-17.

Nichols, S., & Tippins, D. (2000). Prospective elementary science teachers and biomythographies: An exploratory approach to autobiographical research. *Research in Science Education*, 30(1), 141-153.

Gonzalez-Espada, W., Tippins, D., & Hague, T. (1999). A chocolate curriculum. *The Science Teacher*, 66(7), 30-34.

Bilbao, P., Barcenal, T. L., Tippins, D. & Nichols, S. (2001). Building a collaborative multicultural research and learning community: A lived experience. *The Philippine Research Forum*, 1-9.

*Tippins, D., Nichols, S., Dana, T. (1999) Exploring novice and experienced elementary teacher's science teaching and learning referents through videocases. *Research in Science Education*, 29(3), 331-352.

*Tippins, D., Williamson, R., & Lamb, V. (1999) A fishy adventure. *Science and Children*,

*Tippins, D., Wieseman, K. & Nichols, S. (1998). Contemplating criteria for science education reform: The case of Olympia school district. *School Science and Mathematics*, 98(7), 388-396.

*Nichols, S., Tippins, D., & Wieseman, K. (1997). Supporting teachers as learners: The role of critical reflection in science teacher education. *Research in Science Education*, 27(2), 175-194.

+ Tippins, D., Elliot, T., & Brown, M. (1997). Integrating science in the elementary curriculum: The story of tea. *The Georgia Science Teacher*, 38(2), 4-8.

*Nichols, S., Tippins, D., & Wieseman, K. (1997). A "toolkit" for developing critically reflective science teachers. *Journal of Science Teacher Education*, 8(2) 77-106.

*Tobin, K. & Tippins, D. (1996). Metaphors as seeds for conceptual change in science

- *Roychoudhury, A., Tippins, D., & Nichols, S. (1995). Gender-inclusive science teaching: A
897-924.
- *Kagan, D., Tippins, D., D'Ambrosio, B., Gallard, A., Norman, O., Presmeg, N., &
Roychoudhury, A. (1995). Views of American education: The perceptions of non-
American professors of education working at U.S. universities. *Educational Forum*,
59(2), 140-153.
- *Tippins, D., Tobin, K., & Nichols, S. (1995). A constructivist approach to change in
elementary science teaching and learning. *Research in Science Education*, 25(2), 135-
149.
- *Tippins, D., Wieseman, K., Veal, W., & Humphries, J. (1995). Science education: Criteria
for reform. *The Science Teacher*, 62(7), 10.
- *Jackson, D. E., Doster, E. C., Tippins, D. J., & Rutledge, M. L. (1994). Implementing "real
science" through microcomputers and telecommunications in project-based elementary
classrooms. *Journal of Science Education and Technology*, 3(1), 17-26.
- *Kagan, D., & Tippins, D. (1994). Benefits of a crisis: The genesis of a school university
partnership. *Action in Teacher Education*, 15(4), 68-73.
- Lane, L., & Tippins, D. (1994). Alternative assessment of science learning: The use of
portfolios. *Georgia Science Teacher*, 35(4), 5-7.
- *Roychoudhury, A., Tippins, D., & Nichols, S. (1994). An exploratory attempt toward a
feminist pedagogy for science education. *Action in Teacher Education*, 15(4), 36-46.
- *Tobin, K., Tippins, D., & Hook, K. (1994). Referents for changing a science curriculum: A
case study of one teacher's change in beliefs. *Science and Education*, 3(3), 246-265.
- *Dana, T., & Tippins, D. (1993). Considering alternative assessments for middle level
learners. *The Middle School Journal*, 25(2), 3-5.
- *Dana, N., & Tippins, D. (1993). Analyzing social studies teaching in the elementary school:
Metaphors lead the way. *Social Science Record*, 30(1), 57-68.
- *Tippins, D., Adams, E., & Jackson, D. (1993). Sea turtles and strategies for language skills.
Science Scope, 16(4), 45-49.
- Tippins, D., Habib, G., Pate, P. E., Gray, V., & Dallas, P. (1993). Science learning through
role play: A case of interdisciplinary curriculum. *Science Scope*, 16(6), 32-36.

- *Tippins, D., Tobin, K., & Hook, K. (1993). Dealing with dilemmas of laboratory science: Making sense of safety from a constructivist perspective. *The International Journal of Science Education*, 15(1), 45-59.
- *Tippins, D. J., Tobin, K., & Hook, K. (1993). Ethical decisions at the heart of teaching: Making sense from a constructivist perspective. *Journal of Moral Education* 22(3), 221-240.
- *Tippins, D., Tobin, K., & Nichols, S. (1993). Reconstructing science teacher education within communities of learners. *Journal of Science Teacher Education*, 4(3), 65-72.
- *Dana, N., & Tippins, D. J. (1992). Getting in touch with your beliefs: The use of metaphors with preservice teachers. *Science Scope*, 15(7), 44-45.
- *Kagan, D., & Tippins, D. J. (1992). How U.S. preservice teachers "read" classroom performances. *Journal of Education in Teaching*, 18(2), 149-158.
- *Kagan, D., & Tippins, D. J. (1992). The evolution of functional lesson plans among twelve elementary and secondary student teachers. *The Elementary School Journal*, 92(4), 477-490.
- *Kagan, D., & Tippins, D. J. (1992). How student teachers describe their pupils. *Teaching and Teacher Education*, 7(6), 455-466.
- *Tippins, D. J., & Dana, N. (1992). Culturally relevant alternative assessment. *Science Scope*, 15(6), 50-53. [Reprinted in *Science for all cultures*. Arlington, VA: National Science Association, 1993].
- Tippins, D., Gray, V., & Collins, J. (1992). Science learning through historical role play. *The Georgia Science Teacher*, 33(3), 7-9.
- Tippins, D., Jackson, D., & Simmons, P. (1992). Ethical dilemmas in life science: The whale experience. *The Georgia Science Teacher*, 33(2), 11-12.
- *Tippins, D., & Pate, P. E. (1992). What's in a picture? *Science Activities*, 29(1), 12-14.
- *Tippins, D. J., & Wilson, J. (1992). Bugs, books, and hands-on learning. *Science and Children*, 29(7), 36-37.
- *Kagan, D., & Tippins, D. J. (1991). Helping student teachers attend to student cues. *The Elementary School Journal*, 91(4), 343-356.
- *Kagan, D., & Tippins, D. J. (1991). How teachers' classroom cases express their pedagogical beliefs. *Journal of Teacher Education*, 42(4), 281-291.

- *Tippins, D. J. (1991). Swimmy's story: Focusing on the sea with literature-based science. *Science and Children*, 28(4), 37-39.
- Tippins, D. J., Cooper, A., McHan, C., Oakley, B., Stansell, G., & Swift, K. (1991). Analogies for the biology class: A constructivist perspective. *Georgia Science Teacher*, 31(2), 8-9.
- *Tippins, D. J., & Koballa, T. R. (1991). Elementary science education: Looking toward the future. *Journal of Elementary Science*, 3(1), 23-39.
- *Tippins, D., & Pate, P. E. (1991). Lifestyles in life science. *Science Scope*, 15(3), 39-42.
- Tippins, D., Pate, P. E., & Matthews, S. (1991). Recipe for recycling: The environmental swap meet. *Council for Elementary Science International News*, 23(4), 4-5.
- *Tippins, D. J. (1990). Subseabed disposal of radioactive wastes: A viable option? *The Earth Scientist*, 7(4), 8-10.
- Tippins, D. J., & Frederick, G. (1990). Mapping around Georgia. *Georgia Social Science Journal*, 21(2), 9-15.
- Pate, P. E., & Tippins, D. J. (1989). Sponge activities for middle grade classrooms. *Georgia Journal of Reading*, 15(1), 13-15.

Bulletins or reports:

- Tippins, D. (2003, March). Implementing contextual teaching and learning: A case study of
- *Tippins, D. (1994). Epistemological perspectives on science education for the learning disabled. In G. Stefanich, & J. Egelston-Dodd (Eds.). *A futures agenda: Proceedings of a working conference on science for persons with disabilities* (pp. 107-112). Washington, DC: National Science Foundation.
- Dana, N., Thomas, D., Tippins, D. J., Dana, T., & Kelsey, K. (1993). *Qualitative interviewing and the art of questioning: Promises, possibilities, problems and pitfalls*. ERIC Clearinghouse on Teacher Education, ED 349308.
- Tippins, D., & Hook, K. (1992). Computer technology in the science classroom. In A. Lorschach (Ed.), *Hot topics: Using technology to enhance mathematics and science learning* (pp. 27-38). Tallahassee, FL: Department of Education.

Abstracts edited:

Appiah, N., Atwater, M., Burgess, S., Gardner, C., Guy, M., Kokoski, T., Oliver, S., Pate, P.

E., Reeves, J., Tippins, D., & Wiggins, D. (Eds.). (1991). National Association for Research in Science Teaching: Abstracts of presented papers.

Editorial Consultant:

Fetlers, M., & Vellom, P. (1999). Linking schools and universities. In D. R. Lavoie (Ed.), *Models for science teacher preparation: Bridging the gap between research and practice*. Dordrecht, The Netherlands: Kluwer.

Book reviews:

Tippins, D., & Veal W. (1995). [Review of *The Future of Science and Children*], 33(1), 56-57.

Tippins, D. & Crockett, D. (1995). [Review of *Deep-sea vents: Living worlds without sun*]. *Science and Children*, 27(2), 19-20.

Tippins, D. (1994). [Review of *Oceanarium*]. *Science and Children*, 32(1), 71-72.

Curriculum guide:

Tippins, D., Guy, M., & Koballa, T. (1993). *Grade 4 Science Resource Guide*. Atlanta, GA: The Georgia Department of Education.

Software review:

Jackson, D., & Tippins, D. (1991). Dance of the planets. *The Science Teacher*, 59(9), 60-62.

Works submitted but not yet accepted:

Morano, L., Nichols, S., Tippins, D., Barcenal, T. & Bilbao, P. (submitted). Cultivating community-based science education through use of “memory-banking”. Submitted to *Journal of Research in Science Teaching*.

Works in progress:

Calkin, J. B., Peker, D., Spellman, J. & Tippins, D. (in progress). Making a case for using cases in the professional development of science teachers.

b. Creative Contributions Other Than Publications

Instrument development:

Tippins, D. J., Tobin, K., & Fraser, B. (1992). *Classroom learning environment survey, teacher, student, and administrator forms*. Instrument developed to assess science

learning environments.

Tippins, D. J. (1989). *The science self-efficacy instrument*. Instrument developed for the purpose of assessing domain-specific self-efficacy beliefs.

Videotape:

Tippins, D., & Wieseman, K. (1996). *Clarke county's science odyssey: A new look at science in our elementary schools*. (Video produced as part of outreach project).

Tippins, D. J., & Hook, K. (1992). *Project-centered learning in middle school science*. Tapes illustrating a project-centered learning environment for middle school science.

Public Radio:

Tippins, D. & Nichols, S. (1995). *International perspectives on the role of culture in science teaching and learning*. Invited radio talk for the Australian Broadcasting Corporation (ABC) Morning Program.

c. Grants Received

External:

National Science Foundation, Biodiversity education and the conceptual foundations of evolution: An inquiry based approach (submitted). Co-principal investigators: P. Gowaty, W. Anderson, N. Thomson, D. Tippins.

National Science Foundation, Partnership for Reform in Science and mathematics (PRISM mini grant), *Developing environmental education decision-making skills for secondary Science (Project Deeds)*. (Co-principal investigators: D. Tippins & N. Thomson), 2005-2006, \$3,900.

National Science Foundation, Partnership for Reform in Science and Mathematics (PRISM, mini-grant), *Chemistry for elementary teachers: Course development*. (Co-principal investigators: N. Thomson, C. Kutal), 2005-2006, \$3000.00

National Science Foundation Partnership for Reform in Science and Mathematics (PRISM). *The journey from powerful ideas to classroom practice: A PRISM/ASTE collaborative conference*. (Co-principal investigator: T. Koballa), 2005-2006, \$4,000.

National Science Foundation, Partnership for Reform in Science and Mathematics (PRISM-minigrant), *Scaffolding science teachers' learning through cases: A study of reciprocal mentoring*, (co-principal investigators: D. Tippins & N. Thomson), 2004-2005, \$2,600.

- G-Step Professional Preparation of Educators Research Grant, *In the spirit of inquiry: A collaborative study of pre-kindergarten teachers' planning, implementing and assessing inquiry-based science instruction* (with S. Neuharth-Pritchett & K. Lee), 2003-2004, \$3,400.
- American Association for the Advancement of Science, *Women's International Science Collaboration Program*, 2003-2004, \$3,980.
- G-Step Professional Preparation of Educators Research Grant, *The role of reflection in creating a dialogical model of teacher preparation: A consideration of National Board Certification* (with L. Bryan, J. Diaz, T. Hauge, & K Davila), 2003-2004, \$2,500.
- Bureau of Educational and Cultural Affairs, U.S. Department of State, *Toward a transformative vision of science education for the 21st century: The genesis of a cross-cultural science education inquiry community across West Visayas State University, Western Mindanao State University, and the University of Georgia*, 2003-2005, \$109,000.
- Improving Teacher Quality Grants Program, Department of Education, *Building our future through science inquiry with pre-kindergarten teachers*. (Co-principal investigators; D. Tippins, S. Neuharth-Pritchett, K. Lee). 2003-2004, \$37,585.
- G-Step Professional Preparation of Educators Research Grant, *Learning to teach contextually: What really happens?* (with C. Knight-Brown & K. Davila), 2002-2003, \$3,150.
- G-Step Professional Preparation of Educators Research Grant, *Preparing elementary science teachers for diversity: A study of student teaching as case-based professional development*, (with M. Butler & Seungyoun Lee), 2002-2003, \$2,400.
- Spencer Foundation Small Research Grants Program, *Generating community situated science education: A study of case-based science teacher professional development and reform*. (Co-principal investigators: S. Nichols, D. Tippins, P. Bilbao, L. Morano, & T. L. Barcenal.), 2001-2002, \$35,000.
- New England Biolab Foundation, *The center for young children and the environment*. (Co-principal investigators: D. Tippins, S. Nichols, P. Bilbao). 2001-2002, \$9,000.
- Department of Education, P-16 Initiative. *Developing a pilot Pre-K - 2nd induction and mentoring program: A portfolio approach to learning in the schools* (PALS), 2001, \$4,500. (Co-principal investigators: D. Tippins, J. Attiles, C. Hamilton, S. Neuhardt-Pritchett).
- Department of Education, P-16 Initiative, *Beyond the classroom: A partnership with the Sandy Creek Environmental Science and Technology Center*, 2001, \$3,250. (Co-principal

- investigators: D. Tippins, L. Bryan).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction. *Project SMILES: Science with mathematics integration and literacy learning for P-16 elementary schools, 2000-2001*, \$33,043. (Co-principal investigators: D. Tippins, R. Stanulis, D. White).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction. *Beyond the classroom (phase II): Expanding the borders: Aquatic ecology and wetlands program development for middle school, 2000-2001*, \$23,176. (Co-principal investigators: D. Tippins, L. Bryan).
- University System of Georgia (USG) Teaching and Learning Grants Program, *Internationalizing the curriculum: A cross-cultural case-based approach, 1999-2000*, \$4,450. (Co-principal investigators: D. Tippins, T. Koballa, J. P. Riley, III)
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Contextual teaching and learning: Pre-service teacher education*, 1997, \$13,324. (Co-principal investigators: D. Tippins, A. Edwards).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Supporting "Sci-Lab" teachers as leaders, 1996*, \$15,398. (Co-principal investigators: D. Tippins, S. Gibney-Sherman, D. Smith).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Science teacher learning in the elementary School, 1996*, \$20,954. (Co-principal investigators: D. Tippins, S. Gibney-Sherman, K. Wieseman, D. Smith).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *The Physical world in balance: Using the outdoor laboratory to enhance science learning, 1996*, \$18,781. (Co-principal Investigators: D. Tippins, K. Rojek, W. Veal).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Life in balance--A focus on life science concepts and environmental literacy, 1995*, \$18,500. (Co-principal investigators: D. Tippins, W. Veal, K. Rojek).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Life in balance--A focus on life science concepts and environmental literacy, 1995*, \$18,500. (Co-principal investigators: D. Tippins, W. Veal, K. Rojek).

Science Instruction, *The earth in balance-A focus on earth science concepts and environmental literacy*, 1994, \$22,744. (Co-principal investigators: D. Tippins, K. Rojek, D. Crockett).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Alternative assessment of science learning*, 1994, \$9,535. (Co-principal investigators: D. Tippins, D. Crockett).

United States Department of Education, Eisenhower Program for Improving Science and Mathematics Instruction, *Extension to higher and lower technology: A project-centered, technology-rich, environmentally-oriented project for middle grades science*, 1993, \$18,817. (Co-principal investigators: D. Jackson, D. Tippins).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *A project-centered, technology-rich, environmentally-oriented project or middle grades science*, 1992, \$29,980. (Co-principal investigators: D. Tippins, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Microcomputer integration for student teaching in science*, 1991, \$23,024. (Co-principal investigators: P. Simmons, D. Tippins, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Georgia science, technology, and environmental problem solving update project: Curriculum development component*, 1991, \$12,590. (Co-principal investigators: D. Tippins, P. Simmons, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Georgia science, technology, and environmental problem solving update project*, 1991, \$20,385. (Co-principal investigators: P. Simmons, D. Tippins, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Georgia science, technology, and environmental problem solving update project: Sustained contact*, 1991, \$18,006. (Co-principal investigators: D. Jackson, D. Tippins, P. Simmons).

South Carolina Department of Education Block Section Grant, EIA Competitive Teacher Grant Program, 1989, \$2,000. (Co-principal investigators: D. Tippins, M. Terry).

Internal:

The University of Georgia, Foreign Travel Assistance Award, 2005, \$1,180.

The University of Georgia, *Faculty Grant Development Program*, Beyond culturally relevant pedagogy: Memory banking as an anthropological “tool” for creating a community-based science education, 2005, \$5,000.

The University of Georgia, *Foreign Travel Assistance Award*, 2004, \$750.

The University of Georgia, *Foreign Travel Assistance Award*, 2001, \$1,250.

The University of Georgia, *International Development Education Awards Program (IDEAS)*, 2001, \$2,500 (with T. Koballa).

The University of Georgia, *International Academic Program Development Grant*, 2000, \$450.

The University of Georgia, Office of Instructional Support and Development, Instructional Improvement grant, *Science beyond the classroom walls: A partnership with the Sandy Creek ENSAT Center*, 2000-2001, \$2,000 (with L. Bryan).

The University of Georgia, College of Education, *Academic Community Learning Facilitator Grant*, 2000, \$6,390.

The University of Georgia, College of Education, *Technology mini-grant*, 1999, \$1,500.

The University of Georgia, Foreign Travel Assistance Award, *Internationalizing the science curriculum*, 1999, \$1,680.

The University of Georgia, College of Education, *Academic Community Learning Grant*, 1999, \$6,315 (11.1).

Challenges and reforms in Philippine and U.S. science education for the 21st century, International Academic Development Grant, 1998, \$1,640. (With J. Riley & M. Padilla).

The University of Georgia College of Education Program Development Grant, *Elementary science reform in CCSD schools: New challenges*, 1998, \$8,400.

The University of Georgia, College of Education Outreach Program, *The COMETS Project*, 1998, \$5,000.

The University of Georgia, Boyd Graduate Studies Research Center, *Foreign Travel Assistance award*, 1997, \$810.

The University of Georgia, College of Education P-16/Co-Reform Grant, *Science-lab leaders*:

Sustaining the vision, 1997-1998, \$1,815 (with L. Bryan, S. Gibney-Sherman).

- The University of Georgia, College of Education Faculty Collaboration Grant, *Creating community connections: The development of an elementary science website*, 1997-1998, \$2,000 (with L. Bryan)
- The University of Georgia, College of Education Program Development Grant, *Supporting Sci-Lab leaders in Clarke County*, 1997, \$8,400.
- The University of Georgia, Office of Instructional Development grant, *Connecting teachers with technology: A catalyst for change in elementary science*, 1997, \$2,820.
- The University of Georgia, College of Education Outreach Program, *Supporting "Sci-Lab" teacher leaders in Clarke County*, 1997, \$5,000.
- The University of Georgia, College of Education, Outreach Program, *Project 2001: A school/community odyssey*, 1996. \$4,700.
- The University of Georgia, College of Education, Program Development Grant, *Science inquiry through outdoor learning environments*, 1996, \$6,600.
- The University of Georgia, Boyd Graduate Studies Research Center, *Foreign Travel Assistance award*, 1995, \$2,935.
- The University of Georgia, College of Education, Program Development Grant, *Science curriculum renewal outreach project*, 1995. \$8,263 (with J. Riley and T. Koballa).
- The University of Georgia, College of Education, Multicultural Education Initiative Grant, *Reflections in the mirror: Critical examinations of diversity within the department of science education*, 1995, \$1,000. (with M. Atwater, T. Koballa, K. Wieseman and C. Lane).
- The University of Georgia, College of Education, Doctoral Program Development Grant, 1994-1995, \$8,263. (with T. Koballa, S. Oliver, D. Butts, and J. Riley).
- The University of Georgia, College of Education, Doctoral Program Development Grant, 1993-1994, \$7,868. (with T. Koballa and S. Oliver)
- The University of Georgia, Humanities Center Travel/Scholarship Award, *Ethical conflicts in science teaching and learning: The dilemmas of practice*, 1992, \$1,027. (Principal investigator).

The University of Georgia Office of Instructional Development grant, *Culturally relevant science*, 1991, \$1,000. (Principal investigator).

Texas A & M University Center for Teaching Excellence Grant, *Concept mapping in teaching planning*, 1988, \$300. (Co-principal investigator with P. E. Pate).

Texas A & M University Office of Graduate Studies, Graduate Studies dissertation mini-grant, 1988, \$500.

College of Education Summer Research Support:

The University of Georgia, College of Education, Summer Faculty Research Grant, *Enhancing the capacity of science education programs to address diversity issues*, 1995, \$5,000.

The University of Georgia, College of Education, Summer Faculty Research Grant, *Ethical dilemmas in science and mathematics teaching*, 1993, \$1,800 (with B. D'Ambrosio).

The University of Georgia, College of Education, Summer Faculty Research Grant, *Science, technology, and society for secondary teachers*, 1991, \$1,630 (Co-principal investigator with D. Jackson and P. Simmons).

Other:

Region VII Educational Service Center, *Teaching science with art*, 1986, \$700. (with M Vivion)

d. Recognitions and Outstanding Achievements

Rotary University Teaching Fellowship Award, 2005-2006.

University of Georgia, *Institute for Behavioral Research (IBR) Mentor Program*, 2004-2006.

University of Georgia, *Faculty mentor, Undergraduate Honors Mentoring Program*, 2003-2004.

University of Georgia, *Teaching Academy*, Athens, Georgia, 2002/2003.

University of Georgia, *Phi Beta Delta Honor Society for International Scholars*, Athens, Georgia, 2001.

West Visayas State University, *Fulbright Scholar Award*, Iloilo, Philippines, 2001-2002.

University of Georgia, College of Education, *Faculty Fellow Award*, Athens, Georgia, 1999-

2000.

University of Georgia, College of Education, ***D. Keith Osborn Sr. Faculty Senate Award for Teaching Excellence***, Athens, Georgia, 1999.

President-elect, Southeastern Association of Educators of Teachers of Science, (with C. Keys), 1998-2000.

National Science Teachers Association, Gustav Ohaus Award. ***Innovations in Science Teaching: Outstanding College Science Teacher***, Washington, D.C., 1998.

Selected as ***International Fellow***, International Fellows Program, Office of International Education and Office of Instructional Support and Development, University of Georgia, Athens, Georgia, 1997-1998.

Faculty Judge, The George Foster Peabody Awards, The University of Georgia, Athens, Georgia 1996-1997.

Visiting Research Fellow, Curtin University of Science and Technology, Science and Mathematics Education Center, Perth, Western Australia, 1995.

National Association for Research in Science Teaching, ***Early Career Research Award***, (for the examination of a set of issues ranging from theoretical perspectives on teachers' beliefs to the applications of constructivist and multicultural perspectives to classroom practice), Anaheim, CA, 1994.

Elected to the Board of Directors, ***Director of Research***, National Science Teachers Association, 1993, for a three year term.

The Association for the Education of Teachers of Science Award, ***Innovations in Teaching Science Teachers. Reconstructing science teacher education within communities of learners*** (with K. Tobin and S. Nichols), 1993.

Selected as ***Research Affiliate*** of the National Center for Research on Cultural Diversity and Second Language Learning, University of California, Santa Cruz, 1993.

Florida State University ***Faculty Appreciation Award***, 1991.

Southeastern Association for the Education of Teachers of Science ***Outstanding Position Paper Award. Becoming critical constructivist teacher researchers: The need for a critical system of meaning*** (with A. Gallard), 1992.

American Association of Colleges and Schools for Teacher Education ***Outstanding Scholarship on Teacher Education Award. How student teachers attend to student cues***

(with D. Kagan), 1991.

Honorable Mention, Fourth Annual *Science Activities* Creative Ideas in Science Education Award (with P. E. Pate), 1991.

Texas A & M University Graduate Studies Office **Cary B. Smith Graduate Scholarship**, 1988-1989.

e. Areas in Which Research Is Done

Science teaching and learning; teacher belief and cognition; ethical dimensions of teaching; constructivist perspectives of teaching and learning, sociocultural dimensions of science teaching and learning, case-based pedagogy, reflective practice, international science education, environmental education.

f. Supervision of Student Research

Doctoral committees:

Stratton, Pamela, Ph.D., Middle School Education, Chair, in progress.
 Handa, Vicente, Ph.D., Science Education, Co-Chair, in progress.
 Mullen, Tim, Ph.D., Elementary Education, Chair, in progress.
 Calkins, Jamie, Ph.D., Science Education, Chair, May, 2005.
 Lee, Seounyoung, Ph.D., Elementary Education, Chair, December, 2003.
 Veal, William, Ph.D., Science Education, Chair, August 1998.
 Williamson, Rachel, Ph.D., Science Education, Chair, May, 2003.
 Leonard, Ruth, Ph.D., Science Education, Chair, in progress.
 Scott, Anna, Ph.D., Science Education, Committee Member, in progress.
 Nye, William, Ph.D., Science Education, Committee Member, in progress.
 Rogan, Bob, Ph.D., Middle School Education, Committee Member, in progress.
 Kim, Kung Q, Ph.D., Elementary Education, Committee Member, in progress.
 McArthur, Jarvis, Ph.D., Science Education, Committee Member, in progress.
 Clark, Sharon, Ph.D., Language Education, Committee Member, in progress.
 Whitting, Donna, Ph.D., Elementary Education, Committee Member, in progress.
 Lane, Lena, Ph.D., Science Education, Committee Member, in progress.
 Torrance, Nicole, Ph.D., Middle School Education, Committee Member, May, 2004.
 Morgan, Sharon, Ph.D., Elementary Education, Committee member, August, 2004.
 Drake, Vicki, Ph.D., Science Education, Committee Member, August, 2003.
 Lyon, Grace, Ph.D., Science Education, Committee Member, August, 2003.
 Wylie, Clyde, Ph.D., Science Education, Committee Member, May, 2003.
 Satterfield, Dawn, Human Health & Performance, Committee member, December, 2001.
 Kemp, Andy, Ph.D., Science Education, Committee Member, May 2002.
 Sampson, Alice, Ph.D., Middle School Education, Committee Member, May 2001.
 Chun, Sajin, Ph.D., Science Education, Committee Member, 2000.
 Li, Hua, Ph.D., Science Education, Committee Member, August, 1999.

Paris, Nita, Educational Psychology, Committee Member, November, 1999.
 Wieseman, Katherine, Ph.D., Science Education, Committee Member, August 1998.
 Brindley, Roger, Ed.D., Elementary Education, Committee Member, August 1996.
 Deru, David, Ed.D., Science Education Committee Member, August 1996.
 Doster, Elizabeth, Ph.D., Science Education, Committee Member, August 1996.
 Pyle, Eric, Ph.D., Science Education, Committee Member, August 1995.
 Guy, Mark, Ph.D., Science Education, Committee Member, June 1993.
 Phillips, Pat, Ed.D., Science Education, Committee Member, June 1992.

Educational Specialist Committees:

York, Kelly, Ed.S., Science Education, in progress.
 Kinkline, Anne, Ed.S., Reading Education, Committee Member, May 2005.
 Tokarska, Elizabeth, Ed.S., Science Education, Committee Member, May 2004.
 Cannon, Stephanie, Ed.S., Science Education, Committee Member, August 1999.
 Cooper, Clark, Ed.S., Science Education, Committee Member, August 1999.
 Kitchens, Pamela, Ed.S., Science Education, Committee Member, May 1999.

Undergraduate Thesis Committees:

Bondi, Matt, B.S., Forestry, Committee Member, August, 2002.
 Robin, Kris, B.S., Forestry, Committee Member, August, 2002.

g. Editorship or Editorial Board Member of Journals

Editorial board member, *Journal of Research in Science Teaching*, 1996-2003.
 Editorial board member, *Journal of Science Teacher Education*, 1996-2000.
 Editorial board member, Teacher Education section of *Science Education*, 1994-1998.
 Advisory board member, *International Encyclopedia of Educational Reform*, 1994-1996.
 Manuscript Review Panel member, Special Publications, National Science Teachers Association, 1999-2001.

h. Convention Papers

An asterisk identifies a paper that has a published counterpart.

International conventions:

Hammond, L., Tippins, D., Chinn, P. & Branch, C. (Submitted). *Exploring discourses of 'relevance' in science education for the 21st century: Cases from the field*. National Association for Research in Science Teaching, San Francisco, CA.

Tippins, D., Butler, M., Thomson, N. & Ritchie, S. (accepted for presentation). *Exploring the challenge of culturally relevant science education through metaphor and discourse*.

Association of Science Teacher educators, Portland, Oregon.

- Tippins, D., Thomson, N. & Handa, V. (accepted for presentation). *Inventing a practice of community in science teacher preparation*. Association of Science Teacher Educators, Portland, Oregon.
- Tippins, D., Morano, L. & Handa, V. (accepted for presentation). *Beyond culturally relevant pedagogy. Memory banking as an anthropological "tool" for creating a community-based science education*. National Association of Multicultural Education, Atlanta, GA.
- Tippins, D. & Morano, L. (2005, May). *A biodiversity conceptual framework for tertiary education*. Paper presented at the annual conference of the Philippines Network of Environmental Education, Western Philippines University, Puerto Princessa, Palawan, Philippines.
- Tippins, D. (2005, March). Promoting reflection in science teacher education and research:Stepping back and looking forward. Paper presented at the Teacher Education Research conference, West Visayas State University, Iloilo city, Philippines.
- Tippins, D., Handa, V., Barcenal, T., Bilbao, P., Espigar, I. Gangosa, N. Montano, H., Morano, I.& Prizas, M. (2005, January). *Towards a community-based model of service learning in science teacher preparation: A dialogue of life*. Paper presented at the annual meeting of the Association for the Education of Teachers in Science, Colorado Springs, Co.
- Tippins, D., Thomson, N. & Butler, M. (2005, January). *Moving beyond culturally relevant pedagogy in science education*. Paper presented a the annual meeting of the Association for the Education of Teachers in Science, Colorado Springs, Co.
- Aranador, L., Bilbao, P., Morano, L., & Tippins, D. (2004, August). *Building a community of researchers through collaboration: The WVSU/UGA experience*. Paper presented at the Asia-Pacific conference on higher education research. Manilla, Philippines.
- Morano, L., Bilbao, P., Barcenal, T., Nichols, S. & Tippins, D. (February, 2004). *The Casay environmental education and indigenous studies center: Learning science through the community*. Paper presented at the International Conference on Best Practices in Teaching and Learning of Science, University of the Philippines, Quezon City, Philippines.
- Tippins, D. (2004, February). *Evolving questions in qualitative research*. Paper presented at the WVSU Teacher Education conference. West Visayas State University, Iloilo City, Philippines.
- Nichols, S. & Tippins, D. (2004, February). *Exploring relationships in co-participatory action research: Changing from outsider to insider roles*. Paper presented at the WVSU Teacher Education conference, West Visayas State University, Iloilo City, Philippines.

- Kamen, M., Luft, J., Nichols, S., Norman, K., Patterson, B. P., Settlage, J. Tippins, D., Weinburgh, M. & Yeotis, C. (2004, January). *The learning cycle in science teacher education: Embrace or move on?* Panel presentation at the annual international meeting of the Association of Educators of Teachers of Science, Nashville, TN.
- Tippins, D., & Nichols, S. (2004, January). *Re-connecting teachers, learners and science education through community-based environmental education.* Paper presented at the annual international meeting of the Association of Educators of Teachers of Science, Nashville, TN.
- Tippins, D. & Nichols, S. (2004, April). *Memory banking: A narrative tool for envisioning community-based science education.* Paper presented as part of the symposium "Through insider eyes: Physical and conceptual mapping of science in non-mainstream lifeworlds," National Association for Research in Science Teaching, Vancouver, Canada.
- Brandt, C., Chinn, P., Frazier, R., Nichols, S., Tippins, D., & Hammond, L. (2003, October). Cultivating community-based science education through use of "memory banking." Paper presented as part of the symposium *The pedagogy of place: Towards a cultural and ecological sustainability in science education.* Paper presented at the American Educational Studies Association conference, Mexico City, Mexico.
- Nichols, S. & Tippins, D. (2003, April). *Drawing on community memory and agency to envision community-based science education: Insights from a Filipino barangay.* Paper presented at the American Educational Research Association conference, Chicago IL.
- Morano, L., Bilbao, P., Barcenal, T., Nichols, S., Tippins, D. (2003, April). "Seeds" as multiple resource for an interdisciplinary curriculum in basic education. Paper presented at the Association of Elementary Science Teachers and Educators of the Philippines conference, Iloilo City, Philippines.
- Bilbao, P. P., Morano, L., Barcenal, T. L., Nichols, S., Tippins, D. (2003, April). *Memory banking: Generating seeds for an interdisciplinary curriculum.* Paper presented at the Second National Research Congress, University of Santo Tomas, Thomas Aquinas Research Complex, Manila, Philippines.
- Tippins, D., & Nichols, S. (2003, March). *Valuing "community" in the construction of international research collaborations: A paradox of globalization?* Paper presented at the ICASE/NARST symposium, How to weave a science education research agenda with international collaborations, Philadelphia, PA.
- Brandt, C., Chinn, P., Hammond, L., Frazier, R., Tippins, D. & Nichols, S. (2003, March). *Developing a place-based pedagogy for science education.* Paper presented at the

- National Association for Research in Science Teaching conference, Philadelphia, PA.
- Nichols, S. & Tippins, D. (2003, March). *Using narrative inquiry tools to explore community-*
- Bilbao, P. P., Morano, L., Barcenal, T. L., Nichols, S., Tippins, D. (2003, February). *Drawing on "seeds" from memory banking: A curricular experience in science education.* Paper presented at the "International Research Conference on Responding to the Challenges of Collaboration in Research in Academe," Iloilo City, Philippines.
- Morano, L., Tippins, D., Bilbao, P., Barcenal, T., Nichols, S. and Aranador, L. (2002, May). *Constructing school/university partnerships: An exploration of community - based science education through case-based pedagogy.* Paper presented at the Academic Excellence and Quality Assurance AUAP Learning and Sharing Conference VIII, Denpasar, Bali.
- Tippins, D. (2002, April). *Conceptual and practical perspectives on action research.* Paper presented at Pasig Catholic College, Manila, Philippines.
- Tippins, D., Nichols, S., Morano, L., Barcenal, T. and Bilbao, P. (2002, March). *Exploring community change and science education through tools of narrative inquiry.* Paper presented at the Third National Conference on Research in Teacher Education, University of Philippines, Quezon City, Philippines.
- Tippins, D. (2002, February). *Preparing teachers for the next century: Critical issues in teacher education pedagogy.* Paper presented and three-day seminar at Nueva Visayas Polytechnic University, Nueva Visayas, Philippines.
- Tippins, D. (2002, February). *Science education for diverse learners.* Paper presented at De LaSalle University, Lipa City, Batangas, Philippines.
- Tippins, D. (2002, February). *Teaching strategies in tertiary education.* Paper presented at Colegio de San Jose, Iloilo City, Philippines.
- Barcenal, T., Bilbao, P. Nichols, S. & Tippins, D. (2001, July). *Building a collaborative multicultural research and learning community: A lived experience.* Paper presented at the International Conference on Teacher Education (ICT Ed), University of the Philippines, Quezon City, Philippines.
- Tippins, D. & Nichols, S. (2001, July). *Exploring the teaching and learning process through case-based pedagogy and research.* Paper presented at the International Conference on Teacher Education (ICT Ed) Post-conference workshop, University of the Philippines, Quezon City, Philippines.
- Tippins, D., Morano, L., Barcenal, T. & Bilbao, P. (2001, August). *Fulbright lecture series on trends in teacher education: Constructivism and action research.* West Visayas State

University, Iloilo City, Philippines.

Tippins, D., Morano, L., Barcenal, T., Bilbao, P. (2001, September). *Fulbright lecture series on trends in teacher education: Multicultural education and contextual teaching and learning*. West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2001, December). *Envisioning teacher education research for the 21st century: Action research, multicultural education and teaching strategies*. A 75th anniversary celebration. Invited speaker, 75th anniversary two-day research forum, University of San Augustin, Iloilo City, Philippines.

Arellano, E., Barcenal, T., Bilbao, P., Castellano, E., Tippins, D. & Nichols, S. (2000, July). *Development of a science teacher education case-based collaborative research project*. Paper presented at the Research In-House Review, West Visayas State University, Iloilo City, Philippines.

Tippins, D., Nichols, S., Bilbao, P., Castellano, E., Barcenal, T., & Morano, L. (2000, July). *Student teaching at the edge of yesterday, today and tomorrow: Towards a narrative understanding of science teaching and learning as a culturally constituted practice*. Paper presented at the Research In-House Review, West Visayas State University, Iloilo, Philippines.

Tippins, D., & Nichols, S. (2000, February). *Using cases to transform science teacher education in diverse contexts*. Paper presented at the International Consortium for Research in Science and Mathematics Education, San Jose, Costa Rica.

Nichols, S., & Tippins, D. (2000, February). *A thematic approach to emancipatory learning in elementary science*. Paper presented at the International Consortium for Research in Science and Mathematics Education, San Jose, Costa Rica.

Nichols, S., & Tippins, D. (1999, August). *Action research: A discourse for learning and teaching of science*. Paper presented at Ateneo de Zamboanga University, Science Teaching Institute, Zamboanga, Philippines.

Tippins, D., & Nichols, S. (1999, July). *Creating a science learning culture through action research*. Paper presented at the Philippine Association of Teacher Educators conference, San Augustin University, Iloilo City, Philippines.

Tippins, D., & Nichols, S. (1999, July). *An overview of case-based narrative research*. Paper

presented at the Institute for Science and Mathematics Education Development, University of the Philippines, Quezon City, Philippines.

Nichols, S., & Tippins, D. (1999, July). *Action research: The use of portfolio and group case methods*. Paper presented at the West Visayas State University, Hometel Conference site, Iloilo City, Philippines.

Riley, J., Tippins, D. & Reiff, J. (1998, October). *Dolores F. Hernandez Lecture Series. The case approach in science teacher education*. University of the Philippines, Institute for Science and Mathematics Education Development, Quezon City, Philippines.

Tippins, D., & Nichols, S. (1998, February). *Defining scientific literacy: The year 2,000 and beyond*. Paper presented at the International Consortium for Research in Science and Mathematics Education, St. Clair, Trinidad.

Tippins, D., & Pate, E. (1998, February). *The portfolio as a tool for science learning*. Paper presented at the International Consortium for Research in Science and Mathematics Education, St. Clair, Trinidad.

*Wieseman, K., Nichols, S., & Tippins, D. (1996, February). *Criteria for science education reform: A tapestry of voices*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Belize City, Belize.

*Tippins, D. Nichols, S. & Wieseman, K. (1996, February). *Supporting science teachers as learners: The role of critical reflection in science teacher education*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Belize City, Belize.

*Veal, W. R., Jackson, D. F., Finnegan, B., Tippins, D. J. & Crockett, D. (1995, November). *Alternative and supplemental definitions of "technology": Science educators' answers to "so what?"* Paper presented at the Third International Conference on the History and Philosophy of Science and Science Teaching Conference, Minneapolis, Minnesota.

*Tippins, D. (1995, July). *Portfolios as a vehicle for reflection in the professional development of science teachers*. Paper presented at the Australian Science Education Research Conference, Bendigo, Victoria, Australia.

*Nichols, S. & Tippins, D. (1995, July). *Creating a culture for reflection in science teacher education*. Paper presented at the Australian Science Education Research Conference, Bendigo, Victoria, Australia.

*Kamen, M., & Tippins, D. (1994, January). *Portfolios in science teacher education*. Paper

presented at the International Consortium for Research in Science and Mathematics Education, Concepcion, Chile.

- *Tippins, D., Nichols, S., Tobin, K., & Crockett, D. (1994, January). *Epistemological fit in science learning environments*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Concepcion, Chile.
- *Tippins, D., Tobin, K., & Hook, K. (1993, November). *Ethics in the context of science teaching: The dilemmas of practice*. Paper presented at the international meeting of the Association for Moral Education, Tallahassee, FL.
- *Tippins, D. J., & Tobin, K. (1992, May). *Ethical decisions at the heart of science teaching: Reframing assessment dilemmas from a constructivist perspective*. Paper presented at the Second International History and Philosophy of Science and Science Teaching Conference, Kingston, Ontario, Canada.
- *Tobin, K., Tippins, D. J., & Hook, K. (1992, May). *The long, hard road from objectivism to constructivism*. Paper presented at the Second International History and Philosophy of Science and Science Teaching Conference, Kingston, Ontario, Canada.
- Tippins, D. J., & Simmons, P. (1991, August). *Empowering students through environmental problem solving*. Paper presented at the Soviet-American Science Education Conference, Moscow, USSR.
- Gess-Newsome, J., Tippins, D., & Baird, B. (1999, January). *Using matrices for understanding, designing and assessing science curricula*. Paper presented at the Association of educators of Teachers of Science Conference, Austin, TX.
- Nichols, S., & Tippins, D. (1999, January). *Theoretical frameworks: What are they, where do they come from?* Paper presented at the Association of Educators of Teachers of Science Conference, Austin, TX.

National conventions:

- Nichols, S., Branch, L., & Tippins, D. (2003, March). *Creating grade 2 science books for cross-literacy learning: A collaborative teacher-research story*. Paper presented at the National Science Teachers Association conference, Philadelphia, PA.
- Nichols, S. & Tippins, D. (2003, January). *Cultivating community-based science education through use of "memory-banking."* Paper presented at the Association of Educators of Teachers of Science conference, St. Louis, MO.
- Bryan, L. & Tippins, D. (2002, January). *Employing case-based pedagogy in elementary science*

teacher preparation. Paper presented at the Association of Educators of Teachers of Science conference, Charlotte, NC.

Tippins, D., Nichols, S., Bilbao, P., Barcenal, T., & Morano, L. (2001, April). *A narrative study of community, change, and science education through case-based pedagogy and research*. Paper presented at the American Educational Research Association conference, Seattle, WA.

Nichols, S., Tippins, D., Bilbao, P., Barcenal, T., Morano, L. (2001, March). *Using narrative inquiry to explore relationships of community, science teacher education and research*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, MO.

Tippins, D., Nichols, S., Bilbao, P., Barcenal, T., Morano, L., Hammond, L. A. & Kyle, W. C. (2001, March). *Alternative approaches to crosscultural science education and research: Building communities of inquiry*. Paper presented at the annual meeting at the National Association for Research in Science Teaching, St. Louis, MO.

Fraser-Abder, P., Nichols, S., Tippins, D. & Thomson, N. (2001, January). *A comparative analysis of science teacher education in fifteen countries*. Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Costa Mesa, CA.

Fraser-Abder, P., Zoller, V., Fishchler, H., Thomson, N., Nichols, S., Tippins, D., George, J., George, P., & Adey, P. (2001, March). *Professional development in science teacher education: Local insights with lessons for the global community*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, Missouri.

Tippins, D., Nichols, S., Bilbao, P., Arellano, E., Barcenal, T., Castellano, M. & Morano, L. (2001, January). *A new song, a new dance for science teaching and learning: Making sense of "community" through narrative forms of inquiry*. Paper presented at the annual meeting of the Association of Education of Teachers of Science, Costa Mesa, CA.

Abder-Fraser, P., Faraquar, P., Thomson, N., George, J., Nichols, S., & Tippins, D. (2000, March). *Professional development in science teacher education: Local insights with lessons for the global community*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, Mo.

Rodriguez, A., Gilbert, A., Hammond, L., Tippins, D., Nichols, S., Bilbao, P., Arellano, E., Barcenal, T., Castellano, M., & Roth, W. M. (2000, May). *From good intentions to transformative action: A new song, a new dance--a narrative study of transformation*

through case-based pedagogy and community building. Paper presented at the annual meeting of the National Association for Research in Science Teaching New Orleans, LA.

- Tippins, D., Nichols, S., Bilbao, P., Arellano, E., Castellano, M., & Barcenal, T. (2000, May). *Case-based pedagogy as a context for collaborative inquiry: The genesis of a science teacher education learning community.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, New Orleans, LA.
- Tippins, D., Koballa, T., Thomson, N., Glynn, S., Bilbao, P., Arellano, E., Barcenal, T., & Castellano, M. (2000, April). *Internationalizing the science teacher education curriculum: Cultural and educational contexts.* Presentation at the annual meeting of the National Science Teachers Association, Orlando, FL.
- Tippins, D. (2000, April). *Transforming science education through academic community learning.* Paper presented at the annual meeting of the National Science Teachers Association, Orlando, FL.
- Nichols, S., Tippins, D., & Riley, J. (2000, January). *Autobiographical genres in educational research: Considering the legacies of science teacher education in the Philippines.* Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Akron, OH.
- Tippins, D., Koballa, T., Leonard, R., Kang, N., Jackson, D., & Lyons, G. (2000, January). *Science classroom cases as a context for research: Investigating teachers' responses to a classroom controversy.* Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Akron, OH.
- Li, H., Oliver, S., Jackson, D., & Tippins, D. (1999, March). *A technique for the identification of an operational definition for science instruction.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Rascoe, B., Chun, S., Kemp, A., Jackson, D., Li, H., Oliver, S., Tippins, D., Nichols, S., & Radcliffe, L. (1999, March). *Scientific literacy: Interpretations of a cross-section of our society.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Tippins, D., Kemp, A., Ogura, Y., Bryan, L., Ikeda, H., Keys, C., Padilla, M., Riley, J., & Thompson, N. (1999, March). *Learning to teach science: The curriculum of student teaching in Hiroshima "attached" schools.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Tippins, D., Nichols, S., & Kemp, A. (1999, March). *Cultural myths in the making: The ambiguities of science for all.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.

- Tippins, D., Nichols, S., & Dana, T. (1999, March). *Tools for science reflection: Elicit, elaborate and evaluate teacher learning*. Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Nichols, S., & Tippins, D. (1999, March). *Women in science education: An alternative sociohistorical account of science education reform*. Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Rascoe, B., Chun, S., Kemp, A., Jackson, D., Li, H., Oliver, S., Tippins, D., Nichols, S., & Radcliffe, L. (1999, March). *Scientific literacy: Interpretations of a cross-section of our society*. Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Graham P., McWhorter, P., Hudson-Ross, S., Desmet, C., Payne, B., Stanulis, R., Allexaht-Snider, M., Mewborn, D., Bryan, L., Tippins, D., Hayes, R. L., Paisley, P. & Pajak, E. (1999, February). *Co-reform partnerships of the University of Georgia*. Paper presented at the annual meeting of the American Association of Colleges of Teacher Education, Washington, D.C.
- Bryan, L., Koballa, T., Riley, J., Thomson, N., & Tippins, D. (1999, January). *Constructing International Research Relationships*. Paper presented at the conference on Qualitative Research in Education, Athens, GA.
- *Tippins, D., Nichols, S., & Dana, T. (1998, April). *Learning to teach science: Tools for*
- Pate, P.E., Tippins, D., & Parks, C. (1998, April). *Analogies: A teaching strategy for linking science and language*. Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV.
- Veal, W., & Tippins, D. (1998, April). *The evolution of pedagogical content knowledge in prospective secondary chemistry teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Diego, CA.
- *Tippins, D., Nichols, S., & Dana T. (1998, April). *Exploring novice and experienced elementary teachers' science teaching and learning referents through videocases*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Diego, CA.
- Tippins, D., Oliver, S, Nichols, S., Kemp, A., Rascoe, B., Chun, S. & Li, H. (1998, January).
- Nichols, S. & Tippins, D. (1998, January) *Contemplating literacy as "textual politics" in*
- Osborne, M., Barton, A., Tippins, D., & Nichols, S. (1997, March). *Liberatory science*

education: Rethinking pedagogical practice from feminist perspectives. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.

Nichols, S., & Tippins, D. (1997, March). *Generating prospective elementary teachers' personal understanding about the phenomena of science teaching and learning.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.

Nichols, S., Tippins, D., Zembylas, M., & McDonald, J. (1997, January). *Contemplating the*

Madrazo, G., Hounshell, P., Bryant, N., & Tippins, D. (1996, December). Looking toward the next century: strategies for addressing diversity. Paper presented at the Global Summit on Science and Science Education, San Francisco, CA.

Nichols, S., Tippins, D., Milne, C., Parker, L., Stocklmayer, S., Parker, L., & Roychoudhury, Teaching, St. Louis, MO.

*Wieseman, K., Tippins, D., Padilla, M., Roseman, J., & Nichols, S., (1996, April). *Surfing science curriculum reform: On the crest of a wave or caught in a wave break?* Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, MO.

Padilla, M., Wieseman, K., & Tippins, D. (1996, April). *Evaluating industry produced materials: The Energy Cube.* Paper presented at the annual meeting at The National Association for Research in Science Teaching, St. Louis, MO.

*Veal, W. R., Tippins, D. J., & Wieseman, K. (1996, January). *The role of technology in an alternative teacher education program.* Paper presented at the annual meeting of the Association for the Education of Teachers in Science, Seattle, WA.

Tippins, D., Veal, W., & Wieseman, K. (1995, April). *An exploratory study of the role of proverbs in the construction of knowledge about teaching and learning of science.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Francisco, CA.

Roychoudhury, A. & Tippins, D. (1995, April). *Development of content knowledge and pedagogical content knowledge of prospective elementary teachers.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Francisco, CA.

Nichols, S., Tippins, D., Dana, T., & Dana, N. (1995, March). *Doing more than kissing Snow White: Issues of gender equity in science teacher preparation.* Paper presented at the

annual meeting of the National Science Teachers Association, Philadelphia, PA

- *Nichols, S., Tippins, D., Dana, N., & Crockett, D. (1995, January). *Images of teaching and learning: Reflective tools for reconstruction*. Paper presented at the annual meeting of the Qualitative Research in Education conference, Athens, GA.
- *Tippins, D. (1994, October). *Strategies for developing reflection in science and mathematics teacher education*. Paper presented at the annual meeting of the School Science and Mathematics Association, Fresno, CA.
- Tippins, D., Pate, E., Crockett, D., & Doster, E. (1994, December). *Alternative assessment of science learning: The promise of meaningful learning*. Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV.
- *Dana, T. M., Tippins, D., & Kamen, M. (1994, March). *Critical constructivism and stance as referents for understanding portfolios in the education of prospective teachers of science: A multi-site case study*. Paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Tippins, D., Nichols, S. & Crockett, D. (1994, March). *Mapping the epistemic terrain: Power and privilege in the education of Native American science teachers*. Paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Ebert-May, D., Tippins, D., Adkins, C., Tashiro, J., Rowland, P., & Cantoni, G.(1994, March). *Exploring the role of teacher beliefs in the professional development of Native American elementary science teachers*. Paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Freeman, M. L., Tippins, D., Bryant, N., & Madrazo, G. (1994, March). *Science for all cultures*. National Science Teachers Association, Anaheim, CA.
- *Tippins, D., & Dana, T. (1994, March). *Criteria for reform: Implications for science teacher education*. Paper presented at the annual convention of the National Science Teachers Association, Anaheim, CA.
- Tippins, D., Nichols, S., Tobin, K., & Crockett, D. (1994, February). *Exploring classroom learning environments for science: Questions of fit*. Paper presented at the annual convention of the Association of Teacher Educators, Atlanta, GA.
- *Dana, T., Tippins, D., & Kamen, M. (1994, January). *Portfolio assessment in science teacher education: A vehicle for growth in pedagogical content knowledge?* Paper presented at the annual convention of the Association of Educators of Teachers of Science, El Paso, TX.

- *Moscovici, H., Nichols, S., & Tippins, D. (1994, January). *Reflective tools for college teaching and learning*. Paper presented at the annual convention of the Association of Educators of Teachers of Science, El Paso, TX.
- *Tippins, D., Dana, T., & Dana, N. (1993, October). *Exploring connections through theory and practice: Science and literature*. Paper presented at the annual meeting of the School Science and Mathematics Association, Alexandria, LA.
- Tippins, D., Dana, T., Oliver, S., & Dana, N. (1993, October). *Interdisciplinary curriculum in science and mathematics education: Making sense of different models and approaches*. Paper presented at the annual meeting of the School Science and Mathematics Association, Alexandria, LA.
- *Doster, E., Rutledge, M., Jackson, D., & Tippins, D. (1993, April). *Teacher and student learning in a project-centered, technology-rich environment*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- *Jackson, D., Tippins, D., Doster, E., & Rutledge, M. (1993, April). *Teacher learning in a project-centered, technology-rich environment*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- Koballa, T., Meadows, L., Roth, M., Jackson, D., Tippins, D., & Hook, K. (1993, April). *Teachers as researchers: Critical issues in action research*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- *Nichols, S., Sullivan, B., & Tippins, D. (1993, April). *The evolution of a professional practice school: Supporting teachers as learners*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- Simmons, P., Jackson, D., McGinnis, R., & Tippins, D. (1993, April). *Science/technology/ society: Multiple research perspectives*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- Tippins, D., Dana, T., Tobin, K., Munby, H., Roth, W. M., Jakubowski, E., Jones, D., Barrow, D., Hook, K., Lorschbach, A., & Briscoe, C. (1993, April). *Thinking about teaching and learning: The mediational role of the teacher*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- *Tippins, D., Tobin, K., & Hook, K. (1993, April). *Assisting collaborative processes of knowledge construction: Ethical dilemmas of a middle school teacher*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.

- Tobin, K., Russell, T., Tippins, D., & Roychoudory, A. (1993, April). *Teachers as researchers: Reflection in action*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- Floyd, D., Dana, N., Thomas, D., & Tippins, D. (1993, February). *Meeting diverse needs: Implementation of the case study approach in teacher education*. Professional clinic presented at the Association of Teacher Educators, Los Angeles, CA.
- *Habib, G., Tobin, K., Tippins, D., Nichols, S., & Barrow, D. (1993, January). *Science education reform: The evolution of a professional practice community*. Paper presented at the annual convention of the Association of Educators of Teachers of Science, Charleston, SC.
- Tippins, D. J. (1992, November). *Bringing science-technology-society into the middle school curriculum: A project-centered approach*. Paper presented at the annual meeting of the National Middle School Association, San Antonio, TX.
- Tippins, D. J. (1992, October). *Meaningful learning in the middle school: Becoming a constructivist science teacher*. Paper presented at the annual meeting of School Science and Mathematics Association, Marquette, MI.
- *Hook, K., Tobin, K., & Tippins, D. J. (1992, April). *The teacher's role in maintaining favorable learning environments*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- *Tippins, D. J., & Kagan, D. (1992, April). *How preservice teachers translate learning theory into instruction: A study of group problem solving*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- *Tippins, D. J., Tobin, K., & Hook, K. (1992, April). *Ethical decisions at the heart of science teaching: Making sense from a constructivist perspective*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Tobin, K., Tippins, D. J., & Hook, K. (1992, April). *The construction and reconstruction of teacher knowledge*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Tippins, D. J., & Simmons, P. (1992, March). *The Soviet-American science education convention: Global perspectives on environmental problem solving*. National Science Teachers Association, Boston, MA.
- *Tippins, D. J., Tobin, K., & Hook, K. (1992, March). *Dealing with dilemmas of laboratory science: Making sense*

of safety from a constructivist perspective. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Boston, MA.

*Tobin, K., Tippins, D. J., & Hook, K. (1992, March). *The critical reform of science education: A journey from objectivism to constructivism.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Boston, MA.

*Tippins, D. J., & Kagan, D. (1992, February). *Negotiating a curriculum for student teaching.* Paper presented at the annual meeting of the Association of Teacher Educators, Orlando, FL.

McGinnis, R., Simmons, P., & Tippins, D. J. (1992, January). *Taboos, metaphors, and beliefs held by teachers of environmental science/technology and society.* Paper presented at the Qualitative Research in Education conference, Athens, GA.

Tippins, D. J. (1991, November). *Holistic constructivism: Implications for teaching science.* Paper presented at the annual meeting of the National Middle School Association, Louisville, KY

*Tippins, D. J. (1991, April). *Case studies as reflections of science and mathematics teachers' beliefs: The utility of a narrative system of analysis.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Lake Geneva, WI.

*Tippins, D. J. (1991, April). *Einstein's bimodal thinking style.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Lake Geneva, WI.

Tippins, D. J. (1991, April). *The relationship of science self-efficacy and gender to ninth grade students' intentions to enroll in elective science courses.* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

*Tippins, D. J. (1991, April). *How preservice teachers "read" classroom performances.* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Pate, P. E., Tippins, D. J., & Parks, C. (1991, March). *Using extended analogies to facilitate student comprehension of human body systems.* Paper presented at the annual meeting of the National Science Teachers Association, Houston, TX.

Tippins, D. J., Pate, P. E., & Parks, C. (1991, March). *Strategies for making abstract science concepts concrete.* Paper presented at the annual meeting of the National Science Teachers Association, Houston, TX.

Regional and state conventions:

Tippins, D., & Handa, V. (submitted). *Inventing our own practice of community in science education.* Southeastern Association for the Education of Teachers, Atlanta, Ga.

Soparat, Sreethonyoo, Magrood-In, Khumwong, Rochanas Mita, Chomchid & Tippins, D. (discussant), (submitted). *A Survey of International Research in Science Education*, Southeastern Association of Educators of Teachers of Science, Athens, GA.

Tippins, D., & Thomson, N. (2005, April). Scaffolding science teachers, learning through cases: A study of reciprocal mentoring. Paper presented at the Northeast Georgia PRISM network retreat, Brasstown Valley, Georgia.

Tippins, D., Aranador, L., Gangosa, N. & Handa, V. (2004, October). *Community immersion in elementary science: A dialogue of life*. Paper presented at the Southeastern Association for the Education of Teachers in Science conference, Gainesville, Florida.

Tippins, D. & Nichols, S. (2004, October). *Creating community-based science education research: Narratives from a Filipino barangay*. Paper presented at the Southeastern Association for the Education of Teachers in Science conference, Gainesville, Florida.

Gangoso, N., Espigar, I., Barcenal, T., Handa, V., Montano, H. Morano, L., Priza., M., and Tippins, D. (2004, October). *Elementary Science learning: Some linguistic considerations*. Paper presented at the Southeastern Association for the Education of Teachers in Science Conference, Gainesville, Florida: The University of Florida.

Neuhart-Pritchett, S., Tippins, D. & Lee, K. (2004, April). *A collaborative study of pre-kindergarten teachers planning, implementing and assessing of inquiry-based science*. Presentation at the Georgia Systemic Teacher Education Program Research Symposium on the Preparation of Educators, Athens, GA.

Tippins, D. & Bryan, L. (2004, April). *The role of reflection in secondary teacher preparation: A consideration of national board certification*. Presentation at the Georgia Systemic Teacher Education Program Research Symposium on the Preparation of Education, Athens, GA.

Tippins, D. Knight, C. & Davila, K. (2003, May). *Learning to teach contextually in middle school science/spanish classrooms*. Presentation of the Georgia Systemic Teacher Education Program Research Symposium on the Preparation of Educators, Athens, Georgia.

Butler, M. & Tippins, D. (2003, February). *Contextual teaching and learning: Cases in the education of science teachers*. Paper presented at the Georgia Science Teachers Association conference, Jekyll Island, Georgia.

Nichols, S. & Tippins, D. (2002, October). *Where's the "community" in science teaching and learning?* Paper presented at the Southeastern Association of Educators of Teachers of Science Conference, Atlanta, GA.

Tippins, D. & Nichols, S. (2002, October). *Envisioning community-centered science education pedagogy for a sustainable future: Lessons from the Philippines*. Paper presented at the Southeastern Association of Educators of Teachers of Science Conference, Atlanta, GA.

Koballa, T., & Tippins, D. (2000, October). *Initiating a portfolio culture in the education of master science teachers*. Presented at the Southeastern Association of Education of Teachers of Science conference, Auburn, AL.

Riley, J., Tippins, D., & Weldon, J. (1999, October). "Ask not what this course can do for you." *Service learning and science education*. Presented at the Southeastern Association of Educators at Teachers of Science Conference, Athens, GA.

Tippins, D., Koballa, T., Leonard, R., Kang, N., Jackson, D., & Lyons, G. (1999, October). *Researching case-based instruction: How do teachers respond to controversial issues?* Presented at the Southeastern Association of Educators at Teachers of Science Conference, Athens, GA.

Nichols, S., Welt-Guerro, D., White, J., Sampson, A., & Tippins, D. (1999, October). *Alternative research approaches towards exploring cultural diversity*. Presented at the Southeastern Association of Educators at Teachers of Science Conference, Athens, GA.

Tippins, D. (1998, October). *Videocases as tools for examining the teaching and learning referents of elementary teachers of science*. Presented at the Southeastern Association of Educators of Teachers of Science, Atlanta, GA.

Koballa, T., & Tippins, D. (1998, October). *Developing a middle and secondary science case handbook: The issues and promises*. Presented at the Southeastern Association of Educators of Teachers of Science, Atlanta, GA.

Tippins, D., & Nichols, S., (1998, December). *Problem solving in science teacher education: The use of classroom cases*. Presented at the National Science Teachers Association regional convention, Albuquerque, NM.

Tippins, D., & Nichols, S. (1998, December) *Mind jogging. Creative approaches to dilemmas in science teaching and learning*. Presented at the National Science Teachers Association regional convention, Albuquerque, NM.

Tippins, D. (1998, May). *Native American teacher belief: What constitutes culturally relevant science?* Presented at the College of Education Multicultural Education Conference, Athens, GA.

Bryan, L., Keys, C., Koballa, T., Oliver, S., Padilla, M., Riley, J., & Tippins, D. (1998, January). *Science education at the University of Georgia: Teaching and learning for the 21st Century*. Presented at the Georgia Science Teachers Association Convention, Atlanta, GA..

Tippins, D., Veal, W., & Crockett, D. (1996, October). *Environmental encounters for the elementary classroom*. Presented at the National Science Teachers Association regional convention, Atlanta, GA.

Tippins, C., Wieseman, I., & Deru, D., & Stewart, D. (1996, October). *Rethinking multicultural Science teaching*

and learning. Presented at the National Science Teachers Association regional convention, Atlanta, GA.

- Tippins, D., Nichols, S., Pate, E. & Koballa, T. (1995, December). *Research on science teaching and learning: Practical applications*. Paper presented at the National Science Teachers Association, San Antonio regional convention, San Antonio, TX
- Tippins, D. (1995, May). *Portfolios in bilingual programs: Matching assessment to instruction*. Paper presented at the Georgia TESOL spring conference, Athens, GA.
- Wieseman, K. & Tippins, D. (1995, February). *Integrating the earth science curriculum: Simulating geologic history*. Paper presented at the annual meeting of the Georgia Science Teachers Association, Savannah, GA
- Crockett, D., Tippins, D., Pate, E., & Doster, E. (1994, December). *Research on science teaching and learning: Practical applications for the classroom*. Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV.
- Dana, T., Tippins, D., Dana, N., & Nichols, S. (1993, December). *Examining the dilemmas of teaching elementary science: The case study approach*. Paper presented at the National Science Teachers Association Orlando regional convention, Orlando, FL.
- Tippins, D., Dana, T., & Dana, N. (1993, December). *Understanding the multicultural science classroom*. Paper presented at the National Science Teachers Association, Orlando regional convention, Orlando, FL.
- Madrazo, G., & Tippins, D. (1993, November). *Multicultural science education: Implications for teachers*. Invited presentation at the National Science Teachers Association, Denver regional convention, Denver, CO.
- Dana, T., Dana, N., Tippins, D., Nichols, S., & Campbell, L. (1993, January). *Theory in qualitative research*. Paper presented at the annual Qualitative Research in Education Conference, Athens, GA.
- *Dana, N., Tippins, D., Meadows, L., Koballa, T., & Nichols, K. (1993, January). *Ethical conflict in teaching and learning: The dilemmas of research and practice*. Paper presented at the annual Qualitative Research in Education conference, Athens, GA.
- Tippins, D. (1992, December). *Coming to the mirror: Critical reflection in science teaching*. Paper presented at the regional meeting of the National Science Teachers Association, Charlotte, NC.
- *Tippins, D., & Gallard, A. (1992, December). *Multicultural ways of knowing in science classrooms*. Paper presented at the regional meeting of the Association of Educators of Teachers of Science, Charlotte, NC.

- *Tippins, D. (1992, October). *Ethical decisions at the heart of science teaching: Reframing assessment dilemmas from a constructivist perspective*. Paper presented at the annual meeting of the Georgia Educational Research Association, Decatur, GA.
- *Tippins, D. (1992, October). *How teachers translate theory into instruction: A study of group problem solving by prospective science teachers*. Paper presented at the annual meeting of the Georgia Educational Research Association, Decatur, GA.
- Tippins, D. (1992, October). *Constructivism as a referent for project-centered learning in middle school science*. Paper presented at the annual meeting of the Georgia Association for Childhood Education International, Athens, GA.
- Dana, T., Nichols, S., & Tippins, D. (1992, February). *Developmentally appropriate science activities to complement children's books*. Invited paper presentation and workshop for the Sixth Annual Capital City Developmental Education Symposium, Tallahassee, FL.
- Jackson, P., Tippins, D. J., & Simmons, P. (1992, February). *Microcomputer infusion for student teachers in science: Dealing with the realities of constraints on technology in the classroom*. Paper presented at the annual meeting of the Southeastern Association of Educators of Teachers of Science, Wakulla Springs, FL.
- Dana, N., Thomas, D., Tippins, D. J., Dana, T., & Kelsey, K. (1992, January). *Qualitative interviewing and the art of questioning: Promises, possibilities, problems, and pitfalls*. Paper presented at the annual Qualitative Research in Education Conference, Athens, GA.
- *Tobin, K., Tippins, D., Hook, K., & Dana, J. (1991, December). *Ethical dimensions of science teaching*. Paper presented at the regional meeting of the National Science Teachers Association, New Orleans, LA.
- *Kagan, D., & Tippins, D. J. (1991, October). *The evolution of functional lesson plans among twelve elementary and secondary student teachers*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, GA.
- *Tippins, D. J. (1991, October). *Helping novice teachers attend to student cues*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, GA.
- *Tippins, D. J., & Kagan, D. (1991, October). *Classroom cases as indirect gauges of professional growth*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, GA.
- *Tippins, D. J. (1991, January). *How teachers' classroom cases express their pedagogical beliefs*. Paper presented at the annual Qualitative Research in Education conference, Athens, GA.

I. Special Lectures (invited)

Tippins, D. (2004, November). *Promotion and tenure: Strategies for documenting impact*. Presentation for the University of Texas, San Antonio, Fall Faculty Forum.

Nichols, S. & Tippins, D. (2003, October). *The call of the budyong: Rethinking relationships of science education and local communities*. Presentation for the Georgia Science and Mathematics Professional Development Opportunities Conference.

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Tippins, D. (2002, September). *The Fulbright experience: A view from the Philippines*. Presentation for the COE International Seminar Series, University of Georgia, Athens,

Tippins, D. (2002, September). *The self-determination act and Indian education today*. Invited speaker, Health and Human Performance.

Tippins, D. (2002, May). *Drawing on inspiration: Teacher education research for the 21st century*. Keynote address, Leyte Normal University, Tacloban, Philippines.

Tippins, D. (2002, May). *Rising to the challenge in science education*. Keynote address, Project Rise Closing Ceremony, West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2002, April). *Case-based pedagogy as professional development of elementary teachers*. Keynote address, Association of Elementary Teachers of the Philippines Biennial Conference, West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2002, April). *Are we doing anything different? Transforming teacher education for the 21st century*. Keynote address, Northern Iloilo Polytechnic State College, Estancia, Philippines.

Tippins, D. (2002, March). *Rethinking the engineering metaphor: Implications for teacher education research*. Keynote address, Third National Conference on Research in Teacher Education, University of the Philippines, Quezon City, Philippines

Tippins, D. (February 2002). *Reflections from a Fulbright Visiting Professor*. Key note address, PAEF Overview, A Glimpse into the Fulbright - PAEF Program, West Visayas State University Iloilo City Philippines

Tippins, D. (February 2002). *The theory of multiple intelligences*. Keynote address, Conference on Multiple Intelligences, West Visayas State University, Iloilo City, Philippine.

Tippins, D. (February 2002). *Criteria for educational reform in the 21st century*. Plenary talk, Conference on Multiple Intelligences, West Visayas State University, Iloilo City, Philippines.

Tippins, D. (January 2002). *Bringing action to research*. Invited talk, Assumption Iloilo College, Iloilo City, Philippines.

Tippins, D. (2002, January). *Giving action to research in response to the challenges of the 21st century*. Invited speaker, John B. Lacson Maritime College, Iloilo City, Philippines.

Tippins, D. (2001, August). *Science enthusiast: Preserving environment through science and technology*. Inspirational keynote address for WVSU Science Days Celebration. West Visayas State University, Iloilo, Philippines.

Tippins, D. (2001, October). *Creating a community-based science education*. Invited lecture, United Nations Year of Dialogue Among Civilizations, West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2001, August). *Possibilities in qualitative research*. Invited lecture, Western Visayas School of Science and Technology, Iloilo, Philippines.

Tippins, D., Morano, L. & Barcenal, T. (2001, October). *Science education for a sustainable future: Professional development workshop*. Casay Environmental Education and Indigenous Studies Center, Anini-y, Antique, Philippines.

Tippins, D. (2001, September). *A celebration of family science*. Invited workshop, Science for Parents and Children Experiences (SPACE). West Visayas State University Integrated Laboratory School, Iloilo City, Philippines.

Tippins, D. & Morano, L. (2001, December). *Creating meaningful science teaching and learning experiences for young children*. Invited three-day workshop, San Jose, Antique, Philippines.

Tippins, D. (2001, August). *Envisioning the future through science and technology: A celebration*. Invited lecture, Western Visayas School of Science and Technology, Iloilo City, Philippines.

Tippins, D. (2001, August). *Action research as methodology*. Invited lecture, College of Education, West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2001, September). *Ina Ang Istorya Song Siyensiya: Post-production lecture*. West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2001, August). *Transforming education through action research*. Invited lecture, Assumption College, Iloilo City, Philippines.

Tippins, D. (2001, October). *Celebrating the "first" Americans*. Invited lecture, United Nations Celebration day, Graciano Lopez Jaena Elementary School, La Paz, Philippines.

Tippins, D. & Morano, L. (2001, November). *A celebration of international week: Hands-on science as practical work*. Invited workshop, Philippine American Education Foundation, Makati City, Philippines.

Tippins, D. (2001, November). *Portfolio making for community immersion*. Invited presentation, College of Education lecture-forum, West Visayas State University, Iloilo City, Philippines.

Tippins, D. & Morano, L. (2001, October). *Excellence in the education of teachers: Practical inquiry on science teaching*. Invited presentation, Miriam College, Manila, Philippines.

Tippins, D. & Bilbao, P. (2001). *Reflective practice through case-based pedagogy*. Invited workshop, WVSU Integrated Laboratory School, Iloilo City, Philippines.

Tippins, D., Morano, L. & Fernando, T. (2001, September). *Practical work in elementary science*. Invited workshop, Roxas School District, Roxas City, Philippines.

Tippins, D. (2001, March). *Science and math for the non-science major: The ambiguity of science for all*. Academic Affairs Faculty symposium, Unicoi, GA.

Tippins, D., & Rasch, K. (2000, September). *Creating a standards-based portfolio culture for science teacher education*. NCATE/AACTE Professional Development Conference, Washington, D.C.

Tippins, D., & Koballa, T. (1999, November). *Using case narratives to contextualize the teaching and learning process*. College of Education, The University of Georgia, Athens, GA.

Tippins, D. (1999, September). *Themes and tensions in multicultural science education research: Part II*. College of Education, The University of Georgia, Athens, GA.

Tippins, D. (1999, March). *Themes and tensions in multicultural science education research*. College of Education, The University of Georgia, Athens, GA.

Riley, J., Tippins, D., & Reiff, J. (1998, October) *The case method*. West Visayas State University, Iloilo City, Philippines.

Riley, J., Padilla, M., & Tippins, D. (1998, January). *Exploring alternatives in science teaching: The role of inquiry*. West Visayas State University, Iloilo City, the Philippines.

Tippins, D., Riley, P. & Padilla, M. (1998, January). *Trends in science education research: A graduate symposium*. West Visayas State University, Iloilo City, the Philippines.

Padilla, M., Riley, J. and Tippins, D. (1998, February). *Trends of National Science Education Standards in the United States*. Tsukuba University, Tsukuba, Japan.

- Tippins, D. (1997, September). *Dealing with student diversity: A workshop for graduate teaching /laboratory assistants*. Office of Instructional Development, University of Georgia, Athens, Georgia.
- Tippins, D., Sweeney, J. & Randolph, C. (1997, April). *Multicultural science education for all students: Exploring the possibilities of new strategies and techniques*. Invited speaker, National Science Teachers Association, New Orleans, LA.
- Tippins, D. (1996, November). *Addressing diversity in college science teaching and learning*. Invited speaker. Institute of Ecology, GSC 777 course.
- Madrazo, G., Tippins, D. Sweeney, J., Randolph, C., Lopez-Freeman, M., Haynie, C. & Lang, H. (1996, March). *Looking towards the year 2000: Strategies for addressing diversity*. Invited speaker. National Science Teachers Association, St. Louis, Mo.
- Tippins, D., & Nichols, S. (1996, February). *The science learning environment in perspective: Field experience*. Invited presentation at the Association of Teacher Educators convention, St. Louis, MO.
- Tippins, D. (1995, May). *Critical reflection in research on science teaching and learning*. Invited keynote speaker. Teacher Education Research Institute, Raleigh, NC. (with D. Ball and M. Simon).
- Lunetta, V., Dana, T., Atwater, M., MacKinnon, A., Rennie, L. & Tippins, D. (1995, April). *Science teacher education: Issues for a contemporary research agenda*. Invited speaker. National Association for Research in Science Teaching, San Francisco, CA.
- Barton, A., Hazelwood, C., Roth, K., Cavazos, L., Kurth, L., Smith, D., Tippins, D., & Nichols, S. (1995, April). *Exploring the role of self in science and science education: Feminist perspectives and women's stories*. Invited symposium participant, National Association for Research in Science Teaching, San Francisco, CA.
- Tippins, D. (1995, March). *Native Americans: Fostering cultural awareness*. Invited speaker. University of Georgia Residence Hall Association.
- Tippins, D. (1994, September). *Multicultural ways of knowing: Implications for the teaching and learning of science*. Invited keynote speaker, North Dakota Bilingual Education Conference, North Dakota Department of Public Instruction and the North Dakota Association of Bilingual Education, Bismarck, ND.
- Tippins, D. (1994, March). *New directions for science teacher education*. Invited panel participant, National Science Foundation/Florida Department of Education Spring Symposium, Orlando, FL.
- Tippins, D., & Gilmore, P. (1994, March). *Nurturing diversity in today's science classrooms*. Invited series of presentations at the National Science Foundation/Florida Department of Education Spring

Symposium, Orlando, FL.

- Tippins, D. J. (1993, June). *Ways of knowing: Multicultural science education*. Invited presentation, Western Regional Program for Precollege Biological Science Education, Northern Arizona University, Flagstaff, AZ.
- Tippins, D. J. (1993, March). *Epistemological perspectives on science education for the learning disabled*. Invited presentation at the working Conference on Science for Persons with Disabilities, Kansas City, MO.
- Manera, E., Huling-Austin, L., Houston, R. W., Tippins, D. J., Reiman, A. J., Parramore, B. M., Rowley, J. B., Hart, P. M., & Johnson, L. N. (1993, February). *Teacher education yearbook I: Diversity and teaching*. Invited presentation at the annual meeting of the Association of Teacher Educators, Los Angeles, CA.
- Tippins, D. J. (1992, October). *The balance and integration of theory, practice, and research: Issues for new researchers*. Invited presentation, teaching associates program, The Program for Instructional Excellence, Florida State University, Tallahassee, FL.
- Tippins, D. J. (1992, February). *Pedagogy and science content knowledge: The twin dilemmas of elementary science*. Invited symposium presentation, College of Arts and Sciences, Florida State University, Tallahassee, FL.
- Tippins, D. J. (1992, February). *Alternative epistemologies in mathematics and science teacher education*. Invited presentation, State-of-the-Art Conference on Alternative Epistemologies in Education, Athens, GA.
- Tippins, D., & Gallard, A. (1992, February). *Becoming critical constructivist teacher researchers: The need for a critical system of meaning*. Invited presentation, Southeastern Association of Educators of Teachers of Science, Wakulla Springs, FL.

j. Workshops and Training Sessions for Teachers and Teacher Educators

- Tippins, D., (2005, January). *Qualitative inquiry in science education*. Intensive workshop series presented at Kasestart University, Bangkok, Thailand.
- Tippins, Morano, L. & Lopez, C., (2004, June). *Integrating the science curriculum through inquiry*. Workshop presented at Pavia Pilot School, Pavia, Philippines.
- Tippins, D., Morano, L., & Templora, V. (2004, June). *Creating a culturally relevant science curriculum*. Workshop presented at District of Carles Regional Training Center, Carles, Philippines.
- Tippins, D., Morano, L., Abaygar, I., Aranador, L., Pennecilla, G. (2004, June). *Taking action through research*. Workshop presented at District of Carles Regional Training Center,

Carles, Philippines.

- Tippins, D., Morano, L. & Chan, M. (2004, June). *Inquiry in the elementary grades through design technology*. Workshop presented at Passi I District, Passi City, Philippines.
- Tippins, D., Morano, L., & Chan, M. (2004, June). *Community-based science teaching and learning*. Workshop presented at Julian Pueyo Primary, Cabatuan, Philippines.
- Tippins, D., Morano, L. & Chan, M. (2004, June). *Science inquiry in the Philippines context*. Workshop presented at Nabitasan District Office, Nabitasan, Philippines.
- Tippins, D., Butler, M., Lee, S., & Calkins, J. (2003, April). *Science inquiry through children's literature*. Workshop presented at the 34th annual conference on Children's Literature, Athens, Georgia.
- Tippins, D. (2001, November). *Developing naturalist intelligence through science in the schoolyard*. Workshop presented at the Conference on Multiple Intelligences, Iloilo City, Philippines.
- Nichols, S. & Tippins, D. (2000, July). *Making science fun: A workshop for practicing elementary teachers*. Workshop presented at the West Visayas State University Regional Science Teaching Center, Iloilo, Philippines.
- Nichols, S. & Tippins, D. (2000, July). *Learning within and about the environment: Going wild with nature*. Workshop presented at the West Visayas State University Regional Science Teaching Center, Iloilo, Philippines.
- Tippins, D. & Nichols, S. (2000, July). *Elementary science jamboree: A practical activity workshop*. Presented at the Region VII District Office, Bacolod, Negros Occidental, Philippines.
- Tippins, D., Page, H., Bergen, S., Quinn, N., & Lowery, B. (2000, April). *Making connections: Science across the curriculum*. Workshop presented at the National Science Teachers Association conference, Orlando, FL.
- Tippins, D., & Nichols, S. (1999, August). *Science teaching and learning as practical activity*. Workshop presented at Ateneo de Zamboanga University, Zamboanga, Mindanao, Philippines.
- Nichols, S., & Tippins, D. (1999, July). *The role of inquiry in science teaching and learning*. Workshop presented at the Institute for Science and Mathematics Education Development, University of Philippines, Quezon City, Philippines.
- Tippins, D., & Nichols, S. (1999, July). *Elementary science teaching and learning: Pedagogical innovations*. Workshop presented at West Visayas State University Regional

Science Teaching Center, Iloilo City, Philippines.

- Nichols, S., & Tippins, D. (1999, July). *Elementary science for rural teachers*. Workshop presented at the Jordan Central School, Jordan, Guimaras, Philippines.
- Riley, J. Padilla, M., Bryan, L., Keys, C., Manabu, S., Tippins, D., Thomson, N., Mattheis, F. & Ikeda, I. (1999, March). *Does Japan's high science performance result from better prepared teachers?* Presented at the National Science Teachers Association, Boston, MA.
- Tippins, D., Nichols, S., & Dana, T. (1999, March). *Tools for science reflection: Elicit, elaborate and evaluate student learning*. Presented at the National Science Teachers Association, Boston, MA.
- Veal, W. Tippins, & Nichols, S. (1998, April). *Moss dry, sunny sky: Weather folklore activities*. Presented at the National Science Teachers association, Las Vegas, NV.
- Veal, W., Tippins, D., & Nichols, S. (1997, November). *Moss dry, sunny sky: Weather folklore activities*. National Science Teachers Association, Denver, CO.
- Tippins, D., Nichols, S., & Wieseman, K. (1997, April). *Integrating science and social studies: After all, it's not such a small world*. National Science Teachers Association, New Orleans, LA.
- Doster, E., Tippins, D., Nichols, S., & Emory, A. (1997, April). *Gender equitable teaching defined: Encouraging teacher awareness and providing practical suggestions for implementing specific instructional strategies in science classrooms*. National Science Teachers Association, New Orleans, LA.
- French, D., Nichols, S., Dana, T. & Tippins, D. (1996, March). *A kaleidoscope of activities on color and light*. National Science Teachers Association, St. Louis, MO.
- Tippins, D., Koballa, T., Wieseman, K., Veal, W. (1995, December). Considering students' naive conceptions of weather. National Science Teachers Association, San Antonio, TX.
- Tippins, D. (1995, May). *Culturally relevant science in the elementary classroom*. Georgia TESOL spring conference, Athens, Ga (sponsored session).
- Tippins, D., Nichols, S., Dana, T. & French, D. (1995, March). *Science attractions: Hands-on, minds-on activities using magnets*. National Science Teachers Association, Philadelphia, PA.
- Tippins, D., Crockett, D. & Rojeck, K. (1995, February). *The earth in balance: An environmental share-a-thon*. Georgia Science Teachers Association, Savannah, GA.

- Sweeney, J. K., & Tippins, D. (1994, December). *Passports to the world of science*. National Science Teachers Association, Las Vegas, NV.
- Tippins, D. (1994, December). *Exploring planet earth through hands-on, minds-on science*. North Dakota Bilingual Education Conference, Bismarck, ND.
- Lane, L., French, D., & Tippins, D. (1994, March). *Film canisters to the rescue!* National Science Teachers Association, Anaheim, CA.
- Tippins, D. J., & Pate, P. E. (1992, October). *Science across the curriculum: Integrating science and literature*. Georgia Association of Childhood Education International, Athens, GA.
- Tippins, D. J., Rakow, S., & Gallard, A. (1992, March). *Strategies for teaching science to culturally diverse populations*. National Science Teachers Association, Boston, MA.
- Simmons, P., Tippins, D., McGinnis, R., & Thornton, R. (1992, February). *GA STEPS UP: Environmental problem solving for 6th-12th grade students*. Georgia Science Teachers Association, Atlanta, GA.
- Tippins, D. J., & McGinnis, R. (1992, February). *An oceanographic science cruise*. Georgia Science Teachers Association, Atlanta, GA.
- Tippins, D. J., Simmons, P., Jackson, D., & Parsons, S. (1991, November). *Environmental problem solving in secondary science*. National Science Teachers Association, Vancouver, BC.
- Guy, M., & Tippins, D. J. (1991, February). *Unlocking secrets of the earth*. Georgia Science Teachers Association, Columbus, OH.
- Pate, P. E., & Tippins, D. J. (1990, December). *Down to earth*. National Science Teachers Association, Washington, DC.
- Pate, P. E., & Tippins, D. J. (1990, November). *Integrating children's literature with science concepts using contracts*. National Science Teachers Association, San Juan.
- Pate, P. E., & Tippins, D. J. (1990, November). *Astronomy for the daylight hours*. National Science Teachers Association, San Juan.
- Tippins, D. J., & Pate, P. E. (1990, October). *Strategies for taking the darkness out of astronomy*. School Science and Mathematics Association, Cincinnati, OH.
- Tippins, D. J., & Pate, P. E. (1990, April). *A come as you are body party*. National Science Teachers Association, Atlanta, GA.

- Tippins, D. J. (1989, December). *Ocean notions*. National Science Teachers Association, Phoenix, AZ.
- Tippins, D. J. (1989, October). *Cooperative learning: A springboard to early science learning*. National Science Teachers Association, Tulsa, OK.
- Tippins, D. J. (1989, April). *Ocean notions*. National Science Teachers Association, Atlanta, GA.
- Tippins, D. J., & Pate, P. E. (1989, April). *This is my body???* Region VI Conference for the Advancement of Science Teaching, College Station, TX.
- Tippins, D. J. (1989, February). *Effective game strategies for science*. Metropolitan Area Teachers of Science, Houston, TX.
- Tippins, D. J., & Wilson, J. (1988, December). *Minibeasts: Children's literature, a springboard to science*. School Science and Mathematics Association, Austin, TX.
- Tippins, D. J. (1988, November). *Bring the ocean into your classroom*. National Science Teachers Association, Little Rock, AK.
- Tippins, D. J. (1988, October). *Games and simulations in science*. Science Teachers Association of Texas, Galveston, TX.
- Tippins, D. J., & Pate, P. E. (1988, October). *The art of science*. Science Teachers Association of Texas, Galveston, TX.
- Tippins, D. J. (1988, April). *Something's fishy!* National Science Teachers Association, St. Louis, MO.

4. PUBLIC SERVICE

a. Service to Regional Education Service Centers

(Note: Service to Regional Education Service Centers involved the presentation of all-day workshops.)

(1989, June). *Summer science institute for elementary teachers*. Region VI Summer Institute, Bryan, TX.

(1989, June). *Elementary science with fun*. Region XII Summer Institute, Waco, TX.

(1988, August). *Motivating the secondary science student*. Region VI Cluster Inservice, Navasota, TX.

(1988, August). *Science is a verb!* Region VI Cluster Inservice, Navasota, TX.

b. Service to School Districts

(2005). *Teaching science as inquiry in the middle school*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program.

(2005). *Teaching science as inquiry: Hands-on oceanography for Pre-K-8 educators*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program.

(2005). *Teaching science as inquiry: Hands-on geology for Pre-K-8 educators*. Torrance Center for Gifted and Talented, Visiting Korean Educators Program.

(2004). *Science for parents and educators of young children*, Clark County School District Even-Start Program, two-day workshop.

(2004). *Science in the Living World*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program.

(2003). Biology Workshop Facilitator, Torrance Center for Gifted and Talented, Visiting Korean Educators Program.

(2003). Geology Workshop Facilitator, Torrance Center for Gifted and Talented, Visiting Korean Educators Program.

(2003) Facilitator, *Family Science Nights*, Program for Young Children, Clarke County School District, Athens, Georgia.

(2003) Instructor, *Ecology Science Camp*, Casay Environmental Center, Anini-y, Philippines.

(2002) *Air, water, and land: Exploring the environment through practical activity*. Professional development workshop, Casay Elementary School, Anini-y, Antique, Philippines.

(2002) *Making science meaningful: A curriculum integration approach*. Student teacher workshop, West Visayas Integrated Laboratory School, Iloilo City, Philippines.

(2002) *National trainer*, Rescue Initiative in Science Education (Project RISE). West Visayas State University, Iloilo City, Philippines.

(2002) *The practical work approach in elementary science. Professional development*

- workshop*, Rojas City Schools, Rojas City, Philippines.
- (2000) *Bottle biology: Exploring ecosystems*. Whitehead Elementary School, Athens, Georgia.
- (2000) *Learn and service recycling project: reduce, reuse, recycle: A professional development workshop*. South Jackson Elementary School, Jacksonville, Georgia.
- (1999) *Inquiry for elementary science*. Gaines Elementary School, Athens, Georgia.
- (1998) *Lessons from the Earth: What the Native Americans gave us*. Kennedy Elementary School, Winder, Georgia; Fowler Drive Elementary School, Athens, Georgia.
- (1998) *Soaring in Science Day*, Holsenbeck Elementary School, Winder, Georgia
- (1998) Science fair judge, Winterville Elementary School, Athens, Georgia.
- (1997) *Lessons from the Earth: What the Native Americans gave us*. Fowler Drive Elementary School, Athens, Georgia.
- (1997) *Operation Physics: Integrating science across the curriculum*, Glenn Hills School, Augusta, Georgia.
- (1997) *Earth's caretakers: Native American environmental lessons*. County Line Elementary School, Winder, Georgia.
- (1997) Review panel, College of Education/Clarke County School District Academic Achievement mini-grant competition, CCSD District Office.
- (1997-1999) *Martin Luther King Jr., Community Service Project*, Barnett Shoals Elementary School, Athens, GA.
- (1996) *Science in the school butterfly garden*. Statham Elementary School, Statham, GA.
- (1996) *Crossing borders between language and science: A science workshop for ESOL teachers*, Gwinnett County School District, Gwinnett, GA.
- (1995) *Spooktacular physical science*. Statham Elementary School, Statham, GA.
- (1994-1996). Member, Science Dream Team, Athens-Clarke County School District, Athens, GA.
- (1991-1993). Consultant for Karl Hook's NSTA Tapestry Grant Program, Florida High School, Tallahassee, FL.
- (1990, December). *Hands-on science*, K-2 After-School Science Program, St. Joseph Catholic School, Anderson, SC.

- (1990, August). *Science across the curriculum*. Calhoun Elementary School, Arlington, GA.
- (1990, August). *Celebrating science Georgia style: Seeing and doing science*. Calhoun Elementary School, Arlington, GA.
- (1990, February). *Science and social studies, a natural pair*. Toccoa High School, Toccoa, GA.
- (1990, January). *Investigating careers in oceanography through manipulative science*. Lakeside Middle School, Anderson, SC.
- (1989, November). *Cultural relevancy in elementary science*. Northside Elementary School, Seneca, SC.
- (1989, November). *Native American perceptions of Anglo misconceptions*. Oakway Elementary School, Oakway, SC.
- (1987, June). *Hurricane tracking*. Cypress Fairbanks School District, Cypress Fair, TX.

c. Service to Other Universities

- (2005, September). External reviewer, tenure and promotion, University of Florida, Gainesville.
- (2005, August). External reviewer, tenure and promotion, University of Alabama, Tuscaloosa, Alabama.
- (2005, January). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.
- (2004, July) External reviewer, tenure and promotion, Arizona State University, Tempe, Arizona.
- (2004, May). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.
- (2004, January). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.
- (2003, May). External reviewer, tenure and promotion, University of Illinois, Champaign, Illinois.
- (2003, March). External reviewer, tenure and promotion, Curtin University of Science and Technology.

- (2003, February). External reviewer, Practice Professor of Education, Graduate School, The University of Pennsylvania.
- (2002, October). External reviewer, tenure and promotion, University of Massachusetts, Amhurst, MA.
- (2002, September). External reviewer, tenure and promotion, University of Minnesota, Minneapolis, MN.
- (2002, July). External reviewer, tenure and promotion, University of Central Florida, Orlando, Florida.
- (2002, June). External reviewer, endowed chair promotion, Curtin University of Science and Technology, Perth, Western Australia.
- (2001, November). External reviewer, tenure and promotion. Cornell University, Ithaca, New York.
- (2001, August). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.
- (2001, August). External reviewer, tenure and promotion. New Mexico State University, Las Cruces, New Mexico.
- (2001, July). External dissertation thesis examine. Curtin University of Science and Technology, Perth, Western Australia.
- (2001, July). External reviewer, tenure and promotion, Oakland University, Rochester, Michigan.
- (2001, June). External reviewer, tenure and promotion. Australian Catholic University, Dickson, ACT, Signadou Campus, Australia.
- (2001, June). External reviewer, tenure and promotion. Australian Catholic University, Perth, Western Australia.
- (2000, June). External reviewer, tenure and promotion. University of Texas, Austin, Texas.
- (1999, September). External reviewer, tenure and promotion. Queens University, Kingston, Ontario.
- (1999, September). External reviewer, tenure and promotion. New Mexico State University, Las Cruces, New Mexico.

- (1999, September). External reviewer, tenure and promotion, East Carolina University, Greenville, North Carolina.
- (1999, July). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.
- (1998, October). External evaluator, *In-house research and review of the College of Arts and Sciences*. West Visayas State University, Iloilo City, the Philippines.
- (1998, January/February). External consultant, *Collaborative research on the education of science teachers*. West Visayas State University, Iloilo City, the Philippines.
- (1998, February). External consultant. *Exploring science education research collaboratives*. The University of the Philippines, Science Teacher Training Center, Quezon City, the Philippines.
- (1998, January). External reviewer, tenure and promotion, University of New Mexico, Albuquerque, NM
- (1997, December). External reviewer, tenure and promotion, University of West Florida, Pensacola, FL.
- (1995, July). Institute director, *Teaching meaningful primary science: Diverse approaches*. Curtin University of Science and Technology, Perth, Western Australia.
- (1991-1993). External evaluator, NSF funded project, Florida State University, Tallahassee, FL.
- (1989, June). Science Exceleation-Earth Science component, University of Houston at Victoria, Victoria, TX.
- (1988, August). *Super ocean seminar for middle school students*. Sea Grant Program, Texas A&M University, College Station, TX.

d. Service to State and National Organizations

- (2005). Professional network reviewer. Partnership for Reform in Science and Mathematics.
- (2004). Professional network reviewer, Partnership for Reform in Science and Mathematics.
- (2004). Faculty judge, graduate student research symposium, Athens, Ga.
- (2003 - present). Member, organizing committee for Northeast Georgia PRISM grant, Athens, GA.
- (1996-1997). External evaluator, Science Education Standards Commission, Florida Department of

Education, Tallahassee, FL.

(1995-1996). Technical consultant for Kids Play, An Inside Peek, Circulation and Respiration.

(1995, March/June). Consultant for Exxon in the evaluation of the Exxon Energy Cube. (with M. Padilla and K. Wieseman).

(1994, September). Technical consultant for curriculum development, Bismarck Public School, Title VII Bilingual Education Program.

(1993-1996). Consultant to the state-wide task force on environmental literacy, Atlanta, GA.

(1992-1993). Consultant for the American Institutes for Research, NSF funded project.
Coordinated pilot testing of curriculum materials for K-12 science teachers (with P. E. Pate).

(1990, August). National Wildlife Federation Conversation Summit Faculty, Bellingham, WA.

5. OTHER SERVICE

a. Service to the Profession

Referee for professional journals:

Asia Pacific Journal of Education, 2005-2006.

Science Education, 2005-2006.

Journal of Research in Science Teaching, 2001-2004, special issues.

Journal of Research in Science Teaching, 1996-present.

Research in Science Education, 1995-1998.

Action in Teacher Education, 1994-1997.

Georgia Science Teacher, 1993-1996.

The Journal of Teacher Education, 1993-1996.

International Journal of Science Education, 1992-present.

Journal of College Science Teaching, book review section, 1992-present.

Reading Research Quarterly, 1992-1994.

The Science Teacher, 1988-present.

Referee or member of advisory panel for federal, state, or private agencies awarding research, development, training, or service grants:

Proposal review panel, *National Science Foundation*, Teacher Professional Continuum 2005.

Proposal reviewer, Department of Education, *Teacher Quality Program*, 2004.

National review panel, *Philippine American Education Foundation*, 2002, Cebu City and Manila, Philippines.

Proposal ad hoc review, *National Science Foundation*, Urban Systemic Initiative, 1999.

Proposal review panel, *National Institute of Health*, Microbiological and immunocological sciences special emphasis panel on aids and related research, Chevy Chase, MD, December 1997.

Proposal review panel, *National Institute of Health*, Microbiological and immunological sciences special emphasis panel on aids and related research, Chevy Chase, MD, 1997.

Reviewer, *National Board for Professional Teaching Standards*, Middle Childhood Science, 1997.

Proposal review panel, *National Institute of Health*, Special Emphasis Panel on Science Education and Developmental Disabilities, Washington, D.C., 1996.

External evaluator, Research Grants Program, *Social Science and Humanities Council of Canada*, 1996.

Proposal review panel, *National Science Foundation*, Teacher Preparation and Enhancement, Washington, DC, 1994.

Proposal review panel, *Eisenhower Act for the Improvement of Mathematics and Science Education*, Athens, GA, 1994, 1996.

Proposal review panel, *National Science Foundation*, Teacher Preparation and Enhancement, Washington, DC, 1992.

Proposal review panel, *National Institute of Health*, ADAMHA Science Education Partnership Award, Washington, DC, 1991.

Proposal review panel, *National Science Foundation*, Teacher Enhancement Program, Washington, DC, 1990.

Editorial service for publishing companies:

Book series reviewer for Kluwer Publishing Company, *Bold visions: Innovations in Educational Research*, 2004.

Book reviewer for Pearson Merrill Prentice Hall, *The National Science Education Standards*, 2004.

Book reviewer for Houghton Mifflin Company, *Science Stories: Teachers and children as*

science learners, 1997.

Book reviewer for Longman Publishing Group, *Methods of teaching secondary science*, 1994.

Book reviewer for Addison-Wesley Publishing Co., *Destinations*, 1993.

Book reviewer for Teachers College Press, *Constructivism: Foundations, perspectives, and practice*, 1993.

Book reviewer for State University of New York Press (SUNY), *Activity-based science for children: An international study*, 1993.

Book reviewer for Wadsworth Publishing Company, *Science teaching and the development of thinking*, 1992.

Sessions organized or chaired at professional meetings:

Thinking like a teacher...a conversation on considering the professional development of science teacher educators within a climate of reform. Symposium organizer for the annual meeting of the Association of Educators of Teachers of Science (with J. Staver, S. Abell, D. Jackson, S. Nichols, W. Veal, K. Wieseman), January 1997.

Alternative assessment in the preparation of teachers. Professional clinic organizer for the annual meeting of the Association of Teacher Educators, Los Angeles (with T. Dana & N. Dana), February 1993.

Meeting diverse needs: Implementation of the case study approach in teacher education. Professional clinic organizer for the annual meeting of the Association of Teacher Educators, Los Angeles (with D. Floyd, N. Dana, & D. Thomas), February 1993.

Teacher learning and teacher change: Epistemological dimensions for reconceptualizing teacher education. Professional clinic organizer for the annual meeting of the Association of Teacher Educators, Orlando (with T. Dana), February 1992.

Referee of proposals for national organizations:

Proposal reviewer, National Association for Research in Science Teaching, Pre-conference Workshops, 2003-2004.

Proposal reviewer, National Association for Research in Science Teaching, Curriculum and Evaluation Strand, 1996.

Proposal reviewer, Qualitative Research in Education Conference, 1996.

Proposal reviewer, AERA Division C, Section 3: Science learning and instruction, 1994-1995.

Proposal reviewer, National Association for Research in Science Teaching, Teacher Education Strand, 1993, 1994.

Proposal reviewer, AERA Division K, Section 7: Research issues in teaching and teacher education, 1992.

Proposal reviewer, AERA Constructivist Theory, Research, and Practice SIG, 1992.

Professional associations and activities:

American Educational Research Association

Member, Committee on the Freedom on Inquiry and Human Rights, 1993-1996.

Association of Educators of Teachers of Science

Member, Adhoc Committee on International Education, 2005-2007.

Co-Chair, Annual Conference, Southeastern Regional AETS Association, 1999.

Chairperson, Awards Committee, 1998-2001.

Elected Member and Director at Large, Board of Directors, 1998 - 2001.

Chairperson, Middle School Science Committee, 1997-1999.

Member, Elections Committee, 1992-1994.

Member, Committee on Professional Development for Science Teacher Educators, 1995-1997.

National Association for Research in Science Teaching

Member, Policy Committee, 2001-2002.

Member, Doctoral Dissertation Awards Committee, 1999-2001.

Program Co-chair, 1996, Annual Convention, 1995-1996.

Member, Committee on Research, 1994-1997, 2002-2005.

Member, Early Career Research Award Committee, 1994-1997.

Member, Doctoral Dissertation Awards Committee, 1993-1995, 1999-2001.

Member, Program at NSTA Meetings Committee, 1993-1994.

Member, Program Committee, 1992-1994.

Member, Outstanding Paper Awards Committee, 1991-1993.

Co-chair, NARST Teacher Education Strand, 1994-1995.

National Marine Educators Association

Member, Research Committee, 1989-1991.

National Middle Level Science Teachers Association

Member, Committee on Preservice Teacher Education, 1992-present.

National Science Teachers Association

Member, Science Teaching Materials and Resources Review Committee, 1994-1995, 1996-1997.

Member, Planning Committee, 1995 Philadelphia National convention, 1993-1995.

Chairperson, Research Committee, 1993-1996.

Member, Committee on Multicultural Science Education, National Science Teachers Association, 1992-1995.

Member, Special Education Advisory Board, National Science Teachers Association, 1991-1994, 1996-1997.

Qualitative Research in Education

Chairperson, Special Speakers Committee, 1991-1992.

Member, Steering Committee, Qualitative Interest Group, 2005-2006.

School Science and Mathematics Association

Member, Publications Committee, 1992-1995.

Science Teachers Association of Texas

Member, Archives Committee, 1987-1988.

Southeastern Consortium for Minorities in Engineering and Science

Member, Planning Committee, 1991.

Other service to the profession:

Curriculum Review Committee, Clarke County School District, 2003-2004.

Course Development Consultant, Keystone Project: Ecology 8990–Exploring Ecological Concepts in K-8 Classrooms, 2001.

Faculty Judge, College of Education/Clarke County Mini-grant Program, 1997.

National Judging Team, NSTA-Toshiba Exploravision, 1994, 1996.

Invited Participant, AETS Mission Conference, Denver, CO, 1993.

Reader, Georgia Junior Academy of Sciences Bowl, Athens, GA, 1991-1992, 1994, 1995.

Proposal Evaluator, Georgia Science and Humanities Symposium, 1991-1993, 1995.

b. Service to The University of Georgia

University:

Minority Faculty Mentoring Program, 2005

Literacy Faculty (Co-chair with Michelle Simpson and Ron Keiffer), 1990-1991.

Mentor in the TIPS Program, Office of Instructional Development, 1991-1992, 1997-1998

University Council (alternate), 1997-1998.

College of Education:

Promotion and Tenure Committee, 2005-2008

Senior Faculty Focus Group, 2004-

PRISM Planning Committee, 2003-2004.

G-Step Early Experiences Committee, 2002-2003.

Dean's Forum, 2000-2001, 2002-2003, 2003-2004.

Faculty Advisor, Student Professional Association of Georgia Educators, (SPAGE), 1999-2001.

Multicultural Task Force, 1995-2001.

Beta Group on Co-reform, 1998-

Service Learning Taskforce, 1998 -

Faculty Senate, 1996-1998, 2002-2003.

Council, Alternate, 1997-1998.

PSI Think Tank, 1997.

Research Office Advisory Committee, 1995-1996, 1999-2001.

Graduate Faculty Appointments and Reappointments Committee, 1994-1996; Chair, 1996.

Graduate Courses and Programs Committee, Chair, 1991-1993.

School of Teacher Education:

Coca-Cola Alternative Teacher Education Program, 1992-1995.

Early Childhood Advisory Council, 1991-1993.

Department of Science Education:

Post-tenure Review Committee for Dr. Mary Atwater, 2004.

Secondary Science Education Search Committee, 2003, 2004.

Elementary Program Head, 1997-1998, 1998-1999, 1999-2001, 2002-2003, 2003-2004.

Master's Program Committee, 1998-1999.

Recruitment Committee, 1998-1999.

Post-tenure Review Committee for Dr. Diane Brooks-Napier, 2002.

Post-tenure Review Committee for Dr. Steve Oliver, 2001.

Post-tenure review committee for Dr. Elizabeth Pate, 2001.

Post-tenure Review Committee for Dr. John Hoge, 2000.

Post-tenure Review Committee for Dr. Mary Atwater, 1999.

Post-tenure Review Committee for Dr. Michael Padilla, 1998.
 Post-tenure Review Committee for Dr. Russell Yeany, 1997.
 Hospitality Committee, Chair, 1997-1998, 2003-2004.
 Ed.S. Committee, 1997-1998.
 Technology Committee, 1995-1997, 1998.
 Doctoral Planning Committee, 1994-1995; Chair, 1995, 1996-1997.
 Multicultural Committee, 1994-1995; Chair, 1996, Chair, 2002-2003.
 Middle School Program Committee, 1994-1995.
 Graduate Screening Committee, 1992-1993, 1996-1997.
 Awards Committee, 1991-1993, 2002-2003.
 Colloquium/Seminar Committee, 1991-1992.
 Master's Comprehensive Examination Committee, 1990-present.
 Master's and Specialist Screening Committee, 1990-1991.
 Graduate Courses and Programs Committee, 1990-1991.

Department of Elementary Education:

Elementary and Social Studies Education Department Head Search Committee, 2004-2005.
 Chair, Post-tenure review committee for Dr. John Napier, 2004-2005.
 Elementary Education Graduate Admissions and Appeals Committee, 2003-2004.
 Sue Cromartie Fund Committee, 2004-2006.
 Early Childhood PreK-Grade 2 Emphasis Admissions Committee, 2004-2006.
 Elementary Education Search Committee, 2001.
 Faculty Senate, 2003.
 Awards Committee, 1999-2000.
 Graduate Assistant Selection Committee, 1998-1999.
 Convocation Reader, 1998.
 Early Childhood Graduate Program Committee, 1998-1999.
 Exit Exam Substance Committee, 1997-1998.
 Exit Examination Reading Committee, 1996-1997, 2002-2003.
 Graduate Student Recruitment and Retention Committee, 1996-1997, 1997-1998.
 Early Childhood Search Committee, 1996, 1997.
 Awards Committee, 1994-1995.
 Scholarship Committee, 1993-1994, 1996.
 Middle School Search Committee, 1991-1992.
 Master's Comprehensive Examination Committee, 1996.

c. Service to Texas A&M University

Program Director, Rural Elementary Science Improvement Project, 1988-1989.
Principal Supervisor, Alternative Certification Program for Science and Math, 1987-1988.
Moderator, Women in Science Symposium, 1987.
Facilitator, Science, Technology, and Youth Symposium, 1987.

