CURRICULUM VITAE

Donald P. French, Ph. D.
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Education:

Ph.D. Zoology, Indiana University 1985
Major Field: Ethology Minor Field: Physiology
Thesis: The dynamics of behavior during the formation and maintenance of social systems in bluegill sunfish, *Lepomis macrochirus* Advisor: Dr. William J. Rowland

M.S. Biology, Fordham University 1976
Major Field: Ecology

B.S. *cum laude in cursum honorum* Biology, Fordham University 1974
Thesis: The effect of changing population density on communication and social structure in the red breasted sunfish, *Lepomis auritus*. Advisor Dr. Francis McKay

Employment:

Professor.	Oklahoma State University 2002-
Coordinator	OSU Certificate in University Faculty Preparation Program 2008-
Assoc. Professor	Oklahoma State University 1997-2002
Assist. Professor	Oklahoma State University 1992-1997
(Adjunct Asst. Prof.	University of Maryland Eastern Shore 1992-1993)
Visit. Assist. Prof.	University of Maryland Eastern Shore 1987-1992
Research Associate	University of Maryland Eastern Shore 1985-1987
Consultant	Bloomington Academic Computing Services (IU) 1982-1985
Associate Instructor	Indiana University 1976-1982

Refereed Publications and Books:

1. Cho, Y., Sohoni, S., and French, D. P., (2010) Need Assessment for graduate teaching assistant training: Identifying important but less prepared roles. Proceedings of the Midwestern Association of Engineering Educators
2. Lord, T., D. French, and L. Crow (eds.). 2009. *The College Science Teachers Guide to Assessment*. NSTA Press, Arlington, VA. 159pp.
3. Cheesman, K., D. P. French, I. Cheesman, N. Swails, and J. Thomas. (2007). Is There Any Common Curriculum for Undergraduate Biology Majors in the 21st century? *Bioscience* 57(6): 516-522.
4. French, D. P. 2007. Never Underestimate the Dark Side of the Force. *Journal of College Science Teaching*. 36 (4): 56-57
5. French, D. P. 2007. Finding time through specialization. *Journal of College Science Teaching.* 36 (3): 70-71
6. French, D. P. 2006. Cheatin' ain't the cowboy way. *Journal of College Science Teaching.* 36 (3): 56-57
7. French, D.P. 2006. Animating Your Lecture. In Leonard, W. and J. Mintzes, eds. *Handbook of College Science* Teaching. NSTA Press, Arlington, VA. pp. 223-232
8. French, D.P. and C. P. Russell. 2006. Converting Laboratories from Verification to Inquiry. In Leonard, W. and J. Mintzes, eds. *Handbook of College Science* Teaching. NSTA Press, Arlington, VA. pp. 203-212
9. French, D.P. and C. P. Russell. 2006. Improving Student Attitudes Toward Biology. In Leonard, W. and J. Mintzes, eds. *Handbook of College Science* Teaching. NSTA Press, Arlington, VA. pp. 15-24
10. French, D. P. 2006. iPods: Informative or Invasive. *Journal of College Science Teaching* 36 (1): 58-59.
11. French, D. P. 2006. What they don't know. *Journal of College Science Teaching* 35 (7): 62-63.
12. French, D. P. 2006. Don't Confuse Inquiry and Discovery. *Journal of College Science Teaching* 35(6):58-59.
13. French, D. P. 2006. Should We Allow Disclaimers in Textbooks? Maybe the Right Ones. *Journal of College Science Teaching* 35(5): 54-55.
14. French, D. P. 2006. What currency should we use? *Journal of College Science Teaching* 35(4): 60-61.

15. French, D. P. 2005. Is academic freedom a threat to teaching introductory science? *Journal of College Science Teaching* 35(3): 46-47.
16. French, D.P. 2005. Was Inquiry a mistake? It's all in the name. *Journal of College Science Teaching* 35(1): 60-62
17. French, D.P. 2005 Welcoming the next generation of college science teachers: Connecting past, present, and future. *Journal of College Science Teaching* 34(7): 58-59
18. French, D.P. 2005 Grade inflation: Is ranking students the answer? *Journal of College Science Teaching* 34(6): 66-67
19. French, D.P. 2004. Tips for managing a large, active-learning class. In Druger, M., E. D. Siebert, and L. W. Crow, eds. *Teaching Tips: Innovation in Undergraduate Science Instruction*. NSTA Press, Arlington, VA. pp. 13 - 14
20. French, D.P., K. McBee, M. Harmon, and D. Swoboda. 2003. Digital and analog video equipment as assistive technology in dissection-intensive labs: its potential benefits to students with disabilities. *American Biology Teacher* 65(9):634-641
21. French, D. P. and C. P. Russell. 2002. Do graduate teaching assistants benefit from teaching inquiry-based laboratories? *Bioscience.* 52(11): 1036-1041.
22. French, D. P. and C. P. Russell. 2002. The Lecture Facilitator: Sorcerer's Apprentice, Supporting Students and Teachers in the Large Lecture in *Innovative Techniques for Large Group Instruction*. NSTA Press, Arlington, VA. pp. 21 - 26
23. Russell, C. P. and D. P. French. 2001. Factors affecting participation in traditional and inquiry-based laboratories. *Journal of College Science Teaching*. 31(4): 225-229
24. French, D. P. and C. P. Russell. 2001. The Lecture Facilitator: Sorcerer's Apprentice, Supporting Students and Teachers in the Large Lecture. *Journal of College Science Teaching* 31(2): 116-121
25. Weld, J. D. and D. P. French. 2001. An undergraduate-science laboratory, field experience for pre-service science teachers. *Journal of Science Teacher Education* 12(2): 133-142
26. Russell, C. P. and D. P. French. 2001. Using a Newton Personal Data Assistant to Assess Student Participation in Biology Laboratories: a Technique Borrowed from Ethology. *American Biology Teacher* 63(7): 456-462.
27. Abramson, C. I., D. P. French and S. Locy. *1999*. Learning to use the contemporary library: A laboratory exercise. In L. Benjamin, B. Nodine, R. Ernst, C. Blair-Broeker (eds.) *Activities Handbook for the Teaching of Psychology, Vol. 4.* American Psychological Association: Washington, DC.
28. Abramson, C. I., D. P. French, J. Huss, and M. Mundis. 1999. Classification laboratory: A computer program using clip-art to demonstrate classification. *Teaching of Psychology* 26(2): 135-137.
29. Rebach, S. and D.P. French. 1996. Effects of Dimilin on the blue crab, Callinectes sapidus, in shallow water habitats. Estuaries. 19: 279-287.
30. Ailes, M., Brown, L.J., Church, C., French, D.P. & Gale, W. 1992. Mechanical control of greenhead flies (Diptera:Tabanidae) in a marsh environment. *J. of Medical Entomology* 29(2):160-164.
31. Rebach, S., French, D. P., von Staden, F. C., Wilber, M. B. and Byrd, V. E. (1990) Antennular sensitivity of the rock crab, *Cancer irroratus* to food substances. *J. Crustacean Biology* 10:213-217.
32. French, D. P. 1980. Cleaning behavior in sunfish hybrids under laboratory conditions. *Copeia* 1980(4):869-70.

Other Publications:

1. French, D.P. 2009. *Investigating Biology: A Laboratory Resource Manual. 2009 Edition* Fountainhead Press: Fort Worth, TX
2. French, D.P. 2008. *Investigating Biology: A Laboratory Resource Manual. 2008 Edition* Fountainhead Press: Fort Worth, TX
3. French, D.P. 2007. *Investigating Biology: A Laboratory Resource Manual. 2007 Edition* Fountainhead Press: Fort Worth, TX
4. French, D. P. 2007. Student-centered learning – a model for teaching career survival skills. *Proceedings of the American Academy of Veterinary Pharmacology and Therapeutics 15th Biennial Symposium*
5. French, D. P. and C. P. Russell 2006. Using Inquiry to Teach Science Dana Center's Annual Mathematics and Science Higher Education Conference Program: http://www.utdanacenter.org/downloads/octconf/2006/french_russell.pdf
6. French, D. P. 2006 SCST Endorsement. In Leonard, W. and J. Mintzes, eds. *Handbook of College Science* Teaching. NSTA Press, Arlington, VA. p. viii.
7. French, D.P. and C. P. Russell. 2006. Biological Investigations: A Laboratory Resource Guide *2006 Edition* Fountainhead Press: Fort Worth, TX
8. French, D.P. 2006. *Investigating Biology: A Laboratory Resource Manual. 2006 Edition* Fountainhead Press: Fort Worth, TX
9. French, D.P. and C. P. Russell. 2005. Biological Investigations: A Laboratory Resource Guide *2005 Edition* Fountainhead Press: Fort Worth, TX

10. French, D.P. 2005. *Investigating Biology: A Laboratory Resource Manual. 2005 Edition* Fountainhead Press: Fort Worth, TX
11. French, D.P. 2004. *Investigating Biology: A Laboratory Resource Manual. 7th Edition* Fountainhead Press: Fort Worth, TX
12. French, D. P. 2004. 25th Annual Meeting of SCST in Atlanta: It's the place to be. *News and Views* 38(1) 7-8.
13. French, D. P. 2003. Animating your students--promoting active-learning through animations. MERLOT International Convention Program: http://conference.merlot.org/conference/2003/presentations/MERLOT-2003-DPF-WWW.pps
14. French, D.P. 2003. *Investigating Biology: A Laboratory Resource Manual. 6th Edition* Thomson Custom Publishing.
15. French, D.P. and C. P. Russell 2003. Combining multimedia and on-line learning to promote active learning in an introductory science course. Proceedings of the Southwest Regional EDUCAUSE Conference (on-line) http://www.educause.edu/asp/doclib/abstract.asp?ID=swr0314
16. French, D.P. 2002. Helping introductory biology students construct science concepts by observing animations. National Association of Biology Teachers CD-ROM (included software item)
17. French, D.P. 2002. *Investigating Biology: A Laboratory Resource Manual. 5th Edition* Thomson Custom Publishing.
18. French, D.P. and C. P. Russell. 2002. *Biological Investigations: A Laboratory Resource Guide 3rd Edition* Thomson Custom Publishing.
19. French, D.P. and C. P. Russell. 2001. *Biological Investigations: A Laboratory Resource Guide 2nd Edition* Thomson Custom Publishing.
20. French, D.P. 2001. *Investigating Biology: A Laboratory Resource Manual. 4th Edition* Harcourt Brace & Co.: Orlando
21. French, D.P. and C. P. Russell. 2001. *Biological Investigations: A Laboratory Resource Guide*. Harcourt Brace: Fort Worth
22. French, D. P. and C. P. Russell. 1999. The Whole Enchilada: Teaching an introductory course using a variety of techniques. *Rules are for fools: New perspectives on Teaching and Learning. Oklahoma State University* - Conference Compendium p. 51-55.
23. French, D.P. 2000. Investigating Biology: A Laboratory Resource Manual. 3rd Edition Harcourt Brace & Co.: Orlando
24. French, D.P. 1999. Investigating Biology: A Laboratory Resource Manual. 2nd Edition Harcourt Brace & Co.: Orlando
25. French, D.P. 1998. Investigating Biology: A Laboratory Resource Manual. Harcourt Brace & Co.: Orlando
26. French, D. P. and H. C. Miller. 1997. Biological Sciences 1114: Laboratory and Discussion Session Manual. 4th Edition. Burgess: Minneapolis, MN. 212pp.
27. Miller, H. C. and D. P. French. 1993. Biological Sciences 1114: Laboratory and Discussion Session Manual. 3rd Edition. Burgess: Minneapolis, MN. 192pp.
28. French, D. P. & Rebach, S.(1992) Dimilin in the estuarine environment: Toxic effects on Chesapeake Bay blue crab. Proceedings of the 1991 Annual Gypsy Moth Review. 46-51.
29. French, D. P. 1999. Opportunities in Science Education at Oklahoma State University. National Association of Biology Teachers Four-Year College Section Newsletter. http://www.nabt.org/news9.html
30. French, D. P. 1985. Computers augment data collection in ethology. Online 4(1):16-17
31. Usrey, T. and D. P. French. 1983. Microcomputer/mainframe communications: General principles and procedures, and programming design guide. Bloomington Academic Computing Services.
32. Sheehan, M. and D. P. French. 1983. Micros as Dumb Terminals Bloomington Academic Computing Services

In Progress

1. Shaw, T. and D. P. French. (*in review*) A test of cognitive theory based m-learning strategies for a large, college, inquiry-science lecture.

Presentations:

(I) – Designates invited; (P or nn) designates a poster or the length of the presentation in minutes

2010

1. French, D. P. and C. P. Russell. Chemical Defenses - A Scenario Approach to Teaching Integrated Concepts. NABT National Conference. Minneapolis, MN. *To be presented* 6 November 2010. (75)
2. Hiatt, A., D. P. French, and D. Montgomery. Identifying Evo-Devo concepts Using Q-methodology NABT National Conference. Minneapolis, MN. *To be presented* 4 November 2010. (30)
3. French, D. P,. M. Harmon, A. Mixson, T. Richardson, L. Carter. Switching to Formative Assessment Improves Performance on Lab Reports in Inquiry-Based Introductory Biology. NABT National Conference. Minneapolis, MN. *To be presented* 4 November 2010. (30)

4. Baum, K., D. P. French, and T. Shaw. Broadening Opportunities for Biologists: Providing Assistance to Students Transitioning from 2 to 4 Year Programs. NABT National Conference. Minneapolis, MN. *To be presented* 4 November 2010. (30)
5. French, D.P. Course Redesign Workshop. Statewide Workshop on Academic Transformation and Collaboration: Reimagining Higher Education in Missouri 26 October 2010 (60) (I)
6. French, D.P. Course Redesign: What is it? Why do it? Statewide Workshop on Academic Transformation and Collaboration: Reimagining Higher Education in Missouri *To be presented* 26 October 2010 (45) (I)
7. Angle, J. and D. P. French. A scientist and teacher-educator collaboration to provide authentic inquiry-teaching experiences to pre-service teachers. Southwest Association for Science Teacher Educators, Stillwater, OK 16 October 2010 (20)
8. French, D.P. Reforming Introductory Biology: The journey and the lessons learned. Missouri State University, Springfield, MO, 1 October 2010 (20) (I)
9. Cho, Y, S. Sohoni, D. P. French, Need Assessment for Graduate Teaching Assistant Training: Identifying Important But Under-prepared Roles. American Society for Engineering Education, Lawrence, Kansas, 24 September, 2010 (20)
10. Baum, K. A., D. P. French, T. J. Shaw, M.R. Gentry, and E. M. Watt. Strategies for facilitating the success of students transitioning from 2 year to 4 year institutions Oklahoma Academic Advising Association, El Reno, OK 24 September, 2010 (P)
11. French, D. P. , M. Harmon, L. Carter, T. Richardson. Getting students to work without offering them points: A test of formative assessment in inquiry labs. NSTA/SCST National Conference, Philadelphia, 18 March 2010 (20)
12. French, D. P. Making a Life Science Degree at OSU Accessible, Electronically and Economically. Oklahoma Association of Community Colleges. 26 February 2010 (60) (I)
13. French, D. P. A decade of using technology to engage students. Conversations about College Teaching, University of Missouri, Columbia, MO. 3 February 2010 (60) (I)

2009

14. French, D. P. and A. Hiatt. Some Assembly Required: Evo-Devo in the Classroom. NABT, Denver, CO. 14 November 2009 (30)
15. Crow, L. and D. P. French. Overcoming the Challenges of Inquiry Teaching in Two Year and Four Year College Biology Courses NABT, Denver, CO. 13 November 2009 (40) (I)
16. French, D. P. and C. R. Russell An E-Book Experience in Introductory Biology NABT, Denver, CO. 12 November 2009 (30)
17. French, D. P. Inquiry Teaching with Freshman and Sophomore Students in College-Level Science Courses. Dana Center's Annual Mathematics and Science Higher Education Conference, Austin, TX 9 October 2009 (75)(I)
18. Shaw, T. and D. P. French The effect of podcasting on student performance: the results of a multi year study NSTA/SCST National Conference, New Orleans, 19 March 2009 (20)
19. French, D.P., C. P. Russell and J. I. Gelder. An e-book experience in introductory biology and chemistry. NSTA/SCST National Conference, New Orleans, 19 March 2009 (20)

2008

20. French, D.P. Managing your class. Institute for Teaching and Learning Excellence. Oklahoma State University, Stillwater, OK. 11 November 2008 (120) (I)
21. Shaw, T. and D. P. French The podcast pay-off: Do students who use podcasts score higher on exams? NABT, Memphis, TN. 17 October 2008 (30)
22. Ballard, D. and D. P. French. Active learning v. Text messaging – duel for the mind of biology students. NABT, Memphis, TN. 16 October 2008 (30)
23. French, D. P. Student-centered instruction: Engagement, assessment, and curricular issues. Illinois State University (300) (I).
24. French, D. P. Revising curricula: A biologist's perspective. US-Sino Workshop on Mathematics and Science Education, Murfreesboro, TN. 23 June 2008 (20)
25. French, D. P. Dangerous Microbes in the 21st Century! Pandemics, Emerging Diseases, and the Threat of Bioterrorism: Implications for Teaching – Wrap-up Session. First Annual NSTA/SCST Symposium at NSTA/SCST National Conference, Boston, 29 March 2008 (20) (I).
26. Ballard, D. and D. P. French. Active learning v. Text messaging – dual for the mind. ? NSTA/SCST National Conference, Boston, 28 March 2008 (P)
27. Shaw, T. and D. P. French. Is podcasting worth it? Results from an ongoing study? NSTA/SCST National Conference, Boston, 27 March 2007 (20)
28. French, D. P. The Journey to Active Learning in Large Lectures: Providing a Context and Research Experiences for all Students. University of Tennessee-Knoxville, 11 March 2007 (60) (I).

2007

29. French, D. P. and C. P. Russell. Abandoning the "Quantity is Job One Model": Innovative Strategies for Engaging Large Lecture Sections. Clemson University, 17 December 2007 (180) (I).
30. Newman, C. and D.P. French Students' Knowledge of Genetics NABT National Conference, Atlanta, 1 Dec 2007(30)
31. Galucci, K, J. Coker, J. Ellis, J. Haldeman, J. Rushin and D. P. French, Using Inquiry Approaches in the College General Biology Laboratory – Four Year College Symposium, NABT National Conference, Atlanta, 30 Nov 2007(90)
32. Bliss, TJ, R. Dehan, A. Lumsden, T. Lord and D. P. French Panel Discussion: Opportunities for Students To Be Involved in Teaching During Their College Experience. NABT National Conference, Atlanta, 30 Nov 2007 (70)
33. Russell, C. P. and D. P. French, From Molecular to Ecosystem – Teaching Cellular Respiration in a Real World Context NABT National Conference, Atlanta, 29 Nov 2007 (70)
34. Shaw, T. J. and D. P. French Is Podcasting an Effective Teaching Tool: The Results from an Ongoing Study NABT National Conference, Atlanta, 29 Nov 2007 (30)
35. French, D. P. Shifting to Student Centered Instruction. Illinois State University, Bloomington, IL. 24 Jul 2007. (180) (I)
36. French D. P. Assessment. . Illinois State University, Bloomington, IL. 24 Jul 2007. (120) (I)
37. French, D. P. Student-Centered Learning – A Model for Teaching Career Survival Skills. American Academy of Veterinary Pharmacology and Therapeutics. Monterey, CA. 23 May 2007 (120) (I)
38. Shaw, T. J. and D. P. French. Podcasting and the lecture hall: Effective teaching tool or high-tech tape deck? NSTA/SCST National Conference, St. Louis, 31 March 2007 (20)
39. Russell, C. P. and D. P. French. Maroon your students to teach them. NSTA/SCST National Conference, St. Louis, 30 March 2007 (20)
40. Roster, N. O. and D. P. French. The effects of inquiry-based teaching on attitudes, self-efficacy, and science reasoning abilities in students of introductory biology courses at a rural community college. NSTA/SCST National Conference, St. Louis, 30 March 2007 (20)
41. Newman, C. D. and D. P. French. Students' knowledge about genetics. NSTA/SCST National Conference, St. Louis, 29 March 2007 (20)
42. French, D. P. How to reform undergraduate science teaching. Sigma Xi Lecture, University of Northern Iowa, Cedar Rapids, IA 6 February 2007 (60) (I)
43. French, D. P. Engaging students on the road to research. Syracuse University, Syracuse, NY. 25 January 2007 (60)(I).

2006

44. French, D. P. and G. C. Mosier. Managing your class. Institute for Teaching and Learning Excellence. Oklahoma State University, Stillwater, OK. 16 November 2006 (120)(I)
45. French, D. P. and C. P. Russell. Using Inquiry to Teach Science, Dana Center's Annual Mathematics and Science Higher Education Conference, Austin, TX 27 October 2006 (60)(I)
46. French, D. P. and C. P. Russell. Marooned in the Galapagos: A Scenario-Based Evolution Lesson NABT National Conference, Albuquerque, NM, 12 October 2006 (75)
47. French, D. P. and C. P. Russell. Extreme Makeover Laboratory Edition: How to transform tired old confirmation labs into fresh new inquiry-based investigations NSTA/SCST National Convention, Anaheim, 7 April 2006 (P)
48. Russell, C. P. and D. P. French. Formative Assessment Strategies using Clicker Systems. NSTA/SCST National Convention, Anaheim, 6 April 2006 (30)
49. French, D. P. Inquiring about inquiry-based learning and teaching: Response to the Thomas B. Fordham Report's criticisms. Georgia Science Teachers Annual Leadership Conference, Columbus, Georgia, 17 February 2006 (120)(I)
50. Stanton, G., D.P. French, and R. Spaid. The role of college science faculty in teacher preparation. Georgia Science Teachers Annual Leadership Conference, Columbus, Georgia, 17 February 2006 (60)(I).
51. French, D. P. Connecting How College Students Learn with Teaching Introductory Biology: Applying the Society of College Science Teachers Recommendations to Everyday Practice. Animal Science Department, Oklahoma State University, 3 February 2006 (60)(I)

2005

52. French, D. P. Audience Response Systems in the Classroom. Institute for Teaching and Learning Excellence, Stillwater, 1 November 2005. (60)(I)
53. French, D. P. Best practices in college science teaching: A perspective from the Society of College Science Teachers. Dana Center's Annual Mathematics and Science Higher Education Conference, Austin (60)(I)
54. French, D. P. and C. P. Russell. Instant formative assessment - Using "Personal Response Systems" to monitor student understanding. NABT National Convention, Milwaukee, WI, 8 October 2005 (75)
55. French, D. P. Helping students analyze their understanding of biological concepts using a database application. NABT National Convention, Milwaukee, WI, 6 October 2005 (30).
56. French, D. P. Conducting inquiry-based laboratories at the secondary school level. Stillwater Public Schools, 20-24 June 2005 (Workshop)

57. French, D. P. Student Engagement – a problem or not? First Annual Workshop on Effective, Engaged, and Efficient Learning. 14 April 2005 OSU (45).
58. Gentry, M. and D. P. French. Enhancing Student Learning in Laboratory: Are Preliminary Exercises an Effective Tool? NSTA/SCST National Convention, Dallas, 2 April 2005 (20)
59. Shaw, T. and D. P. French. Current trends in misconception research. NSTA/SCST National Convention, Dallas, 1 April 2005 (20)
60. Roster, N. O. and D. P. French Using the inquiry-teaching method in a rural community college. NSTA/SCST National Convention, Dallas, 1 April 2005 (20)
61. French, D. P. Using Technology to Engage First Year Learners. Tech Tuesdays Program, Oklahoma State University, Stillwater/Tulsa, 22 March 2005 (120)(I)

2004

62. Cheesman, K. and D. P. French. Is there any common curriculum for undergraduate biology majors? NABT National Convention, Chicago, IL, 11 November 2004 (30)
63. Cheesman, K. and D. P. French. Surveying college biology departments about curriculum. NABT National Convention, Chicago, IL, 11 November 2004 (P)
64. Gentry, M. and D. P. French. Do pre-lab exercises improve lab performance? NABT National Convention, Chicago, IL, 11 November 2004 (P)
65. French, D. P. Making a test a tool: a database application for helping students analyze their understanding of biological concepts. NABT National Convention, Chicago, IL, 11 November 2004 (75)
66. French, D. P. and C. P. Russell Throw Away the "Cookbook": Learning to "Cook-up" Inquiry-Based Investigations. NABT National Convention, Chicago, IL, 11 November 2004 (75)
67. French, D. P. Faith, Creation, and Evolution. St. Johns University Parish, Stillwater, OK. 28 October 2004 (60)(I).
68. French, D. P. Improving student understanding of challenging biological concepts via an expert learning model – Part I: Helping students identify areas of concern. OPBS/RSBS Annual Symposium, Stillwater, OK. 23 April 2002 (30)
69. French, D. P. Active Learning in the Classroom – Part I The Lecture. Montgomery College, Houston TX. 16 April 2004. (120) (I)
70. French, D. P. Active Learning in the Classroom – Part II The Laboratory. Montgomery College, Houston TX. 16 April 2004. (120) (I)

2003

71. French, D. P. Using animations in the active-learning classroom. OSTA Annual meeting, Oklahoma City, OK. 24 October 2003. (30)
72. French, D. P. Using peer evaluation to encourage group harmony in introductory biology labs. NABT National Convention, Portland Oregon, 9 October 9, 2003 (P)
73. Russell, C.P. and D.P. French. Spinning a Website: Tips for Beginners. NABT National Convention, Portland Oregon, 9 October 9, 2003 (75)
74. French, D. P. Animating your students--promoting active-learning through animations. MERLOT International Convention, Vancouver, B.C. 7 August 2003. (30)
75. French, D. P. Assessing and responding to the technology needs of the 21st Century biology student. OPBS/RSBS Annual Symposium, Stillwater, OK. 18 April 2002 (20)
76. French, D. P. Encouraging group harmony in introductory biology labs through peer evaluation. NSTA/SCST National Convention, Philadelphia 27 March 2003 (20)
77. Russell, C. P. and D. P. French Spinning a web site I ... What can a web site offer? NSTA/SCST National Convention, Philadelphia 27 March 2003 (30)
78. French, D. P. and C. P. Russell. Spinning a web site II ... Providing rich content and student reactions NSTA/SCST National Convention, Philadelphia 27 March 2003 (30)
79. French, D. P. and C. P. Russell. Graduate students' perceptions of how teaching inquiry-based labs improves their research skills. National Association of Research in Science Teaching National Meeting, Philadelphia 24 March 2003
80. French, D. P. What is the impact of an inquiry-based, introductory biology course? Michigan State University, East Lansing, Michigan. 18 March 2003 (**I**) (60)
81. French, D. P. How should teaching introductory biology reflect how students learn it? Michigan State University, East Lansing, Michigan. 18 March 2003 (**I**) (60)
82. French, D. P. and C. P. Russell. Combining multimedia and on-line learning to promote active learning in an introductory science course. Southwest Regional EDUCAUSE conference. Dallas, 21 March 2003
83. French, D. P. and N. Welch. Media. McGraw-Hill Biology Symposium 8 February 2003 (**I**) (90)

2002

84. French, D. P. The changing face of technology in the science classroom. NSTA/SCST Southwest Regional Convention, Albuquerque 7 December 2002 (**I**) (60)

85. French, D. P. Helping introductory biology students construct science concepts by observing animations. National Association of Biology Teachers Convention, Cincinnati 1 November 2002 (30)
86. French, D. P. and C. P. Russell Recipe for "uncookbooking" laboratories. National Association of Biology Teachers Convention, Cincinnati 31 October 2002 (P)
87. Bidlack, J., S. Cooper, T. Lonergan, J. Kandel, and D. P. French. Recruiting Colleagues for the MERLOT review process. MERLOT International Conference, Atlanta, GA. 29 September 2002 (60)
88. Cooper, S. J. Bidlack, J., and D. P. French. Promotion and tenure considerations for digital scholarship. MERLOT International Conference, Atlanta, GA. 29 September 2002 (60)
89. French, D. P. Promoting active learning in a large-enrollment biology lecture. Searle Center for Teaching Excellence, Northwestern University, Evanston, IL, 22 Jul 2002 (**I**) (60)
90. French, D. P. Revising the on-line materials for an inquiry-based, introductory-biology course. OPBS/RSBS Annual Symposium, Stillwater, OK. 26 April 2002 (15)
91. Mason, B. French, D. P. and Bidlack, J. How about a MERLOT? University of Science and Arts of Oklahoma, Chickasaw, OK. 11 April 2002 (**I**) (120)
92. Bidlack, J. French, D. P. Mason, B. Moss, P. and Shepard, B. The MERLOT project: Tools for online learning. Oklahoma Distance Learning Association, Oklahoma City. 3 April 2002 (60)
93. French, D. P. Using animations to involve students in constructing science concepts. NSTA/SCST National Convention, San Diego 29 March 2002 (30)
94. French, D. P. and C. P. Russell. Can teaching an inquiry-based lab lead to TA's becoming better researchers? NSTA/SCST National Convention, San Diego. 29 March 2002 (20)
95. French, D. P. Why do we teach biology the way we do? Is it the way we should? Botany Department, Oklahoma State University, 6 Feb 2002 (**I**) (60)

2001

96. French, D. P., K. McBee, and M. Harmon. Providing video and digital cameras to students as an aid to studying dissections and its impact on students with and without disabilities. National Association of Biology Teachers Convention, Montreal. 7 November 2001 (P)
97. French, D. P. and C. P. Russell Converting the labs in an introductory biology course from cookbook to investigative. National Association of Biology Teachers Convention, Montreal 7 November 2001 (60)
98. French, D. P. How Standards-Based Teaching Prepares Students for Introductory Biology at OSU. Oklahoma Science Teachers Association Convention, Alva, 18 October 2001 (60)
99. French, D. P. Restructuring introductory biology to promoting higher order learning by providing context and connections. Purdue University 11 October 2001 **(I)** (60)
100. French. D. P., J. Gonzalez-Major, and R. Greene. Engaging students in active learning. MERLOT International Conference, Tampa, FL. 13 Aug 2001 (20)
101. Russell, C. P. and D. P. French. Inquiry in the science classroom – Tips from the trenches. Lilly Conference on Teaching and Learning, San Marcos, TX. 3 Aug 2001 (30)
102. French, D. P. and Russell, C. P. Inquiry in Science lab and "lecture" sections. TxCETP Inquiry Workshop for Faculty, May 17-18, 2001 Texas A&M University-Corpus Christi **(I)** (60)
103. French, D. P. and J. Bidlack. A hands-on workshop for biology and life sciences. MERLOT: Shared Resources for Oklahoma Faculty Conference (organized by the State Regents for Higher Education), University of Central Oklahoma, Edmond, OK 6 April 2001**(I)** (60)
104. French, D. P and C. P. Russell. A Statistical Examination of Student Achievement and Attitude in a Large-Enrollment Inquiry-Based Introductory Biology Course. NARST National Convention 27 March 2001 (15)
105. French, D. P. Biology on a need to know basis - changing the way we think about teaching, Marjorie Gardner Lecture. NSTA/SCST National Convention. 23 March 2001 **(I)** (60)
106. Russell, C. P. and D. P. French. Assessment of an Inquiry-Based Laboratory NSTA/SCST National Convention. 23 March 2001 (20)
107. French, D. P. Integrating Inquiry, Technology, and Collaboration to Engage Students in Introductory Biology . University of Northern Colorado. 9 March 2001 **(I)** (60)
108. French, D. P. A distributed learning component for an inquiry-based biology course. Teaching with Technology Forum organized by Faculty Advisory Committee of the Institute for Telecommunications Oklahoma State University 22 February 2001 **(I)** (20)
109. French, D. P. How a computer enhanced classroom can bring biology to life. *Bioforum* University of Texas - Arlington, 16 February 2001**(I)** (60)

2000

110. French, D. P. Converting the Labs in an Introductory Biology Course from Cook-book to Investigative. National Association of Biology Teachers Convention, Orlando 27 October 2000 (75)
111. Russell, C. P. and D. P. French. Mid-level assessment of an inquiry-based biology course. National Association of Biology Teachers Convention, Orlando 27 October 2000 (20)
112. French, D. P. Panel Discussion: Using multimedia scenarios to engage students in cooperative learning. National Association of Biology Teachers Convention, Orlando 26 October 2000 **(I)** (30)
113. French, D. P. MERLOT: A National Teaching and Learning Network for Faculty. National Association of Biology Teachers Convention, Orlando 25 October 2000 (P)
114. French, D. P. How a computer enhanced classroom can bring biology to life. *Bioforum* State University - Tulsa, 6 October 2000 **(I)** (60)
115. French, D. P. and C. P. Russell. Interactive Multimedia Web Design using Macromedia products. Special Interest Group in Multimedia Applications, OSU, Stillwater 25 August 2000 (60)
116. French, D. P. Distance and Multimedia Learning: Do they work? Panel Discussion, Fifth Annual OPBS/RSBS Symposium, Stillwater, OK, 21 April 2000 (30)
117. French, D. P. Bringing inquiry into introductory biology - the travels of a convert. NSTA National Convention. 8 April 2000 (OUSTA presentation lecture) **(I)** (20)
118. French, D. P. and C. P. Russell Investigative labs in a large-enrollment, mixed-majors, introductory, biology course. NSTA National Convention, Orlando, FL 7 April 2000 (30)
119. McBee, K. and D. P. French Morphology for the millennium: Revitalizing and relinking of ZOOL 3115, Vertebrate Morphology lecture and laboratories. Retention of students in the Biological Sciences 1999 Faculty Curriculum Development Awards Symposium, Stillwater, 23 March 2000 (20)
120. French, D. P. A technology-enhanced, inquiry-based approach to teaching introductory biology- Why, How, and What have we learned? Wright State University, 6 March 2000 **(I)** (60)
121. French, D. P. Using *Quattro variegatus* to teach about ecology and behavior through inquiry. Wright State University, 6 March 2000 **(I)** (30)
122. French, D. P. Breath vs. Depth? What do Non-majors really need? (a panel discussion). Bioforums 2000, South West Texas State University, Austin, TX 18 Feb 2000 **(I)** (20)

1999

123. French, D. P. and C. P. Russell. An introductory biology course for majors and non-majors using scenarios and collaboration. NSTA Southern Area Convention, Tulsa, 19 November 1999 (60)
124. Russell, C. P. and D. P. French. Do gender differences influence collaboration within lab groups? NSTA Southern Area Convention, Tulsa, 19 November 1999 (30)
125. French, D. P. and C. P. Russell. Integrating multimedia, collaboration, and inquiry into a large, multi-section, mixed-majors, introductory, biology course. - How we do it. 1999 National Association of Biology Teachers Convention, Fort Worth, 29 October 1999
126. Russell, C. P. and D. P. French. Analysis of Gender-based Differences in Participation in Introductory Biology Laboratories 1999 National Association of Biology Teachers Convention, Fort Worth, 28 October 1999 (30)
127. French, D. P. and C.P. Russell. Teaching Assistants Perceptions of the Effect of Teaching an Inquiry-based Laboratory 1999 National Association of Biology Teachers Convention, Fort Worth, 27 October 1999 (P)
128. French, D. P. Integrating Technology into the Teaching of Introductory Biology. Best F.I.T Conference. 11 Oct 1999, Oklahoma City. **(I)** (15)
129. French, D. P. Revising introductory biology to promote inquiry, collaboration, and active student participation. What we do and why we do it? Third OPBS Annual Symposium, 23 April 1999. Stillwater, OK. **(I)** (60)
130. French, D. P. and C.P. Russell. The Whole Enchilada: Teaching an introductory course using a variety of techniques. Rules are for fools: New perspectives on Teaching and Learning. Oklahoma State University, 1 April 1999. (60)
131. French, D. P. Using technology and collaboration in a large enrollment course to increase student involvement. Idaho State University, Pocatello ID. 25 Mar 1999 **(I)** (60)
132. French, D. P. Teaching biology through scenarios and directed-inquiry. Idaho State University, Pocatello ID. 25 Mar 1999 **(I)** (60)

1998

133. French, D. P. Video-journals as learning aids for students with disabilities. 1998 National Association of Biology Teachers Convention, Reno NV, November 4-7, 1998. (30)
134. French, D. P. and C.P. Russell. An introductory biology course to serve majors and non-majors: The scenario approach. 1998 National Association of Biology Teachers Convention, Reno NV, November 4-7, 1998.
135. Russell, C.P. and D.P. French. The role of the lecture facilitator: grooming teaching assistants to be innovative instructors. 1998 National Association of Biology Teachers Convention, Reno NV, November 4-7, 1998. (P)

136. Russell, C.P. and D.P. French. Do gender differences influence collaboration within lab groups? 1998 National Association of Biology Teachers Convention, Reno NV, November 4-7, 1998. (20)

1997

137. French, D. P. Revising an introductory biology course using an integrated approach. National Association of Biology Teachers. National Association of Biology Teachers Convention, Minneapolis, MN, 11 Oct 1997. (60)
138. French, D. P., J. I. Gelder, and K. A. Baird. Teaching Teachers to Teach with Technology II: Multimedia and the World Wide Web, National Association of Biology Teachers Convention, Minneapolis, MN, 10 Oct 1997. (30)
139. French, D. P. and J. I. Gelder. Overview of Teaching Teachers to Teach with Technology Program, Coca-Cola Foundation Meeting, OSU Foundation, 11 April 1997 (15)

1996

140. French, D. P., J. I. Gelder, and K. A. Baird. Using multimedia authoring in the secondary science classroom, Global Summit on Science and Science Education (National Science Teacher's Assoc.). 29 Dec. 1996 (30)
141. French, D. P. Using the World Wide Web in a general biology course. Interconnect '96, 29 October 1996 (45)
142. French, D. P., J. I. Gelder, and K. A. Baird. Teaching Teachers to Teach with Technology: Multimedia and the WWW, National Association of Biology Teachers. 17 Oct 1996. (30)
143. French, D. P. Multimedia in the biology classroom: What can you do? Lunchtime Seminar, OSU 12 Sept. 1996 (30)
144. French, D. P. Using multimedia in lecture and lab: Experiences with non-majors. Action in Biology Conference. 22 May 1996. (P)
145. Abramson, C .I., D. P. French and S. Locy. Learning to use the contemporary library: A classroom exercise. Southwest Psychological Assoc. 18 April 1996 (15)
146. Abramson, C .I., and D. P. French. Using clip art to demonstrate principles of classification. Southwest Psychological Assoc. 18 April 1996 (15)
147. French, D. P. Technology in the biology laboratory. Parents Day, OSU, 12 April 1996 (10)

1995

148. French, D. P. Integrating computers into a general-education, introductory, biology laboratory. National Association of Biology Teachers. 27 Oct 1995. (30)
149. French, D. P. and C. I. Abramson. Integrating multimedia into the laboratories of an introductory biology course: Results of the first year. Interconnect '95, 29 Sep 1995 (45)
150. French, D. P. Exploring Wetlands: A Laboratory for all education levels. Five States Environmental Education Conference, 22 Sept. 1995 (Display Booth)
151. French, D. P. Computer-Assisted Laboratory Instruction at OSU. Governor Frank Keating's Tour. 1 Sep. 1996 (10)
152. French, D. P. Integrating multimedia into the laboratories of an introductory biology course. Public Information Tour, OSU 13 Aug 1995 (10)
153. French, D. P. and C. I. Abramson. Integrating computer technology into a introductory, non-majors, biology laboratory. American Institute of Biological Sciences, San Diego, Ca. 7 Aug. 1995 (15)
154. French, D. P. Computer-based laboratories and tutorials. OPBS Articulation Conferences and Workshop. 4 Aug 1995 (60)
155. French, D. P. Use of computer aided instruction in biology and applications to physiology. Oklahoma Society of Physiologists. 2 June 1995 (15)

1994

156. French, D. P. Interactive multimedia in a general-education biology course. Interconnect '94, Okmulgee, OK. 14 Oct 1994 (45)
157. French, D. P., J. I. Gelder and M. Kletke. A faculty workshop on multimedia. OSU. 29 Sep, 1,8 Oct 1994 (60)
158. French, D. P. Multimedia in Science I ,II, III. Teletraining Summer Institute. 8,9,14 June 1994 (3 X 60)
159. French, D. P. Introduction to Multimedia I & II. Teletraining Institute Workshop for Northern Oklahoma State University. Stillwater, OK. 11-12 Jan 1994. (2X60)

1993

160. French, D. P. Authoring interactive multimedia exercises for a general-education biology course using *Authorware Professional*. 1993. Oklahoma Higher Education Faculty Association, Oklahoma City Comm. Coll., 30 Oct 1993 (15)
161. French, D. P. Using *Authorware Professional* to create interactive multimedia lessons for BISC 1114: A first look. Special Interest Group for Multimedia in Multimedia Applications, Oklahoma State University, 7 Sep 1993. (30)

1981-1992

162. French, D. P. A laboratory evaluation of Dimilin induced mortality in the blue crab, *Callinectes sapidus*. 37th Annual Forest Insect Work Conference, Williamsburg, VA. 5 August 1992. (with Steve Rebach) (20)
163. O'Neill,D.J., S. Rebach, T. S. Handwerker and D. P. French. Chelae removal alters mortality in groups and attainment of sexual maturity in male *Procambarus clarkii*. 8th Meeting of the International Association of Astacology. April 1992 (20)

164. French, D. P. Making a choice among bivalve prey: How do crabs decide on dinner, Invited presentation at Wayne Patterson State College, Wayne, N.J. 13 March 1992. (20)
165. French, D. P. Dimilin in the estuarine environment: Toxic effects on Chesapeake Bay blue crab. Annual Gypsy Moth Review 1991. (20) (I)
166. French, D. P. and C. M. Linton. The influence of relative prey size on handling time and handling techniques used by blue crab, *Callinectes sapidus*. Animal Behavior Society 1990. (20)
167. Pagán C. and D. P. French. Mechanisms underlying prey selection by the rock crab, *Cancer irroratus*: Is it size or weight? Animal Behavior Society 1990 (20)
168. French, D. P. and C. Pagán. Selection criteria used by rock crab, *Cancer irroratus*, in choosing bivalve prey: Size vs. Weight. Atlantic Estuarine Research Society, May 1990. (20)
169. Linton, C. M., D. P. French, and V. Kennedy. Prey size selection by blue crab, *Callinectes sapidus*, preying on soft clams, *Mya arenaria* (with CarLisa Linton and Victor Kennedy). Animal Behavior Society 1989 (20)
170. French, D. P. Application of an interactive tracking/event recorder to studies of foraging in cancrid crabs. Fall meeting of Atlantic Estuarine Research society 1988. (20)
171. French, D. P. A summary of optimal foraging by three species of crabs on bivalve prey. Mini-symposium at Fall meeting of Atlantic Estuarine Research society 1988.(5)
172. French, D. P. and S. Rebach. Digital image analysis of biological rhythms in the rock crab, *Cancer irroratus*. International Ethological Conference XX 1987. (P)
173. French, D. P. Social structure formation in bluegill sunfish *Lepomis macrochirus*. Animal Behavior Society (Allee Competition) 1984. (20)
174. French, D. P. Computer graphics. Workshop on computer use at Animal Behavior Society 1984. (20)
175. French, D. P. Selecting a microcomputer. Workshop on computer use at Animal Behavior Society 1984. (20)
176. French, D. P. A data collection system for use with microcomputers. Animal Behavior Society 1983. (P)
177. French, D. P. Dynamics of aggression during social structure formation in the bluegill sunfish, *Lepomis macrochirus*. Fourth Biennial Conference on Ethology and Behavioral Ecology of Fishes 1983. (20)
178. French, D. P. A microcomputer based data collection system for laboratory use. Midwestern Regional Animal Behavior Society 1983. (20)
179. Percival, P. A., W. J. Rowland, and D. P. French. The development of social behavior in an African mouthbrooding cichlid (*Pseudotropheus cf. livingstonii*). (with) Animal Behavior Society 1981. (20)
180. French, D. P. The effect of changing food distribution upon social organization in bluegill, *Lepomis macrochirus*. Third Biennial Conference on the Ethology and Behavioral Ecology of Fishes 1981. (20)

Grants Pending:

2010

1. NSF IGERT: Biogeophysics – Coupling of Gephpysics, Biogeoscience, and Geomicrobiology (5 Years, $1,303,652) (PI: Estella Atekwana)
2. NSF TUES: Training Engineering TAs: A Lightweight, Customizable, and Modular Approach (2 yrs, $199,973) (PI: S. Sohomi, Additional Co-PI: Y. Cho)
3. NSF FIRE: Math as a Second Language: Bridging the Gap between Concept and Computation (2 yrs, $225,024) (PI: B. Sandler)
4. NSF URM: Preparing Biologists through Stewardship, Professionalism and Practice (5 yrs. $779,996) (PI: K. Baum)

Grants received:

2009

1. OSU Foundation (Dolores Wright, Donor) Learning Resource Center Animal Care and Outreach $25,000 (with J. Caniglia, M. Harmon, C. Walker)
2. OSU/STF: Expansion of printer facilities (6mo.$3,874)
3. OSU/STF: Conference and Communication Facility for the Biological Sciences – Phase 3 (with Loren Smith) (6mo. $20,779)
4. NSF: S-STEM: Broadening Opportunities for Biologists (5yr., $600,000) (PI: K Baum, Addtl Co-PIs: C. Bruce, M. Gentry, J. Hull, M. McMillan)
5. Department of Education/OSRHE: Oklahoma – Reading Integration in Mathematics and Science (O-RIMS). (1.5yr., $84,592) (PI: J Thomas)

2008:

6. OSU/STF: Conference and Communication Facility for the Biological Sciences – Phase 2 (with Loren Smith) (6mo. $38,700)
7. McGraw-Hill: Integrating an E-book into existing web resources. (6 mo. $4000)
8. OSU/STF: Conference and Communication Facility for the Biological Sciences – Phase 1 (with Loren Smith) (6mo. $40,000)

2007:

9. OSU/STF: Gel Electrophoresis Systems for Introductory Biology. (3 mo.. $3,274)
10. Critical Thinking in the Biological Sciences Program (OSU-HHMI): Assessing critical thinking skills using applications in the biological sciences (1 yr. $20,000)
11. OSU/STF: Bioimaging Systems for Introductory Biology. (10 mo. $25,194.34)

2006:

12. OSU/STF: Spectrophotometers for Introductory Biology. (10 mo. $34,728.84)

2005:

13. OSU/ASR: *Handbook of College Science* Teaching. (Summer Salary; 1mo.)
14. OSU/STF: A portable computer system for use with eInstruction's Classroom Performance System in BIOL 1114. (1 yr. $2,534)
15. Critical Thinking in the Biological Sciences Program (OSU-HHMI): Improving students' critical thinking skills by helping them to monitor their understanding of biological concepts through a pre-test Concept Competency Inventory. (1 yr. $18,161)

2004:

16. Critical Thinking in the Biological Sciences Program (OSU-HHMI): Expanding students' classroom research experience in the area of animal metabolism (1 yr. $4918.25)
17. Fountainhead Press: Enhancement of Photographs for *Investigating Biology: A Laboratory Resource Manual* (1 mo. $300)

2003:

18. Critical Thinking in the Biological Sciences Program (OSU-HHMI): Improving student understanding of challenging biological concepts via an expert learning model (1 yr. $19,260)
19. OSU/STF: Computerization of ZOOL 3115 Vertebrate Morphology Laboratories (1 yr. $19,354) (with K. McBee)
20. OSU/STF: Laptop projection systems for instruction (1 yr. $9,181) (with J. Bidwell and W. Fisher)
21. Retention of Students in the Biological Sciences Program (OSU-HHMI): Assessing and responding to the technology needs of the 21st century biology student. (2 mo. $618) – extension
22. OSU/STF: Providing introductory biology classes with standards compatible technology. (1 yr. $13,577.46)

2002:

23. Retention of Students in the Biological Sciences Program (OSU-HHMI): Assessing and responding to the technology needs of the 21st century biology student. (10 mo. $13,602)

2001:

24. McGraw-Hill: Integrating OSU and McGraw-Hill on-line resources - a pilot study (6mo. $2,000)
25. Retention of Students in the Biological Sciences Program (OSU-HHMI): Revising the on-line materials for an inquiry-based, introductory-biology course. (10 mo. $14,000)

2000:

26. Regional Alliance for Science and Mathematics: An Assessment of Digital and Analog Assistive Technology for the Dissection Intensive Laboratory. (9mo. $15,248) (Co-PI: K McBee)

1999:

27. OSU/Assessment: Mid-level Assessment of Students Completing an Inquiry-based Introductory Biology Course at OSU. (1yr.; $8,850) (Co-PI: C.P. Russell)
28. Regional Alliance for Science and Mathematics: The use of video-journals by students with disabilities enrolled in dissection-intensive laboratories (1yr. $6,072) (Co-PI: K McBee) - Renewal
29. Retention of Students in the Biological Sciences Program (OSU-HHMI): Morphology for the Millennium: Revitalization and Rethinking of ZOOL 3115, Vertebrate Morphology, Lecture and Laboratories. (1yr. ; $14, 136) (PI: K. McBee,)
30. Retention of Students in the Biological Sciences Program (OSU-HHMI): Expanding the introductory laboratory facilities to promote inquiry. (1yr. $35,000)

1998:

31. OSU/Assessment: A comparison of majors and non-majors knowledge of and attitudes toward biology as taught in OSU's introductory biology courses. (1yr.; $4,020) (Co-PI: J. Shaw)
32. NSF/ILI: An investigative laboratory to accompany a new introductory mixed-majors course. (2yr.; $125,400; includes 50% OSU cost- share).

33. NSF/CCD: A new general education biology course: an integrated approach. 2yr. $200,000 (Co-PIs: M. Ewing, C. Peterson, D. Meinke, W. Henley, A. Ewing, J. Hadwiger)
34. Regional Alliance for Science and Mathematics: The use of video-journals by students with disabilities enrolled in dissection-intensive 1yr. $18,247 (Co-PIs: K McBee, D. Swoboda)
35. Harcourt-Brace: Development of a new BIOL 1114 laboratory manual. (6mo. $2000)
36. OSU/STF: Replacement of Learning Resources Center Computers (1yr. $22,148, est. - Hardware; $10,000 - Maintenance; $10,000 - .5FTE Support Staff)

1997:

37. OSU/Grants for Instructional Improvement: Revision of Introductory Biology: An integrated approach and companion course. (10mo. $8,462)
38. Dwight D. Eisenhower Program (OSRHE/DOE): Teaching Teachers to Teach with Technology II. (7mo. $44,519) ((Co-PDs: K. Baird, J. Gelder)
39. OSU/Assessment: A comparison of major's and non-majors knowledge of and attitudes toward biology as taught in OSU's introductory biology courses. 1997. (1yr. $4,281) (Co-PD: J. Shaw)

1996:

40. OSU/Assessment: A comparison of student performance and attitudes toward science in majors and non-majors 1000-level biology courses. 1996 (6 mo. $300) (Co-PD: J. Shaw)
41. OSU: A Multipurpose Instructional Computer Lab for Pre-Health and Graduate Instruction. 1996 (1 Yr. $39,955; Maintenance supplement $10,500; Multimedia development supplement $5,000)
42. Videodiscovery, Inc. Genetics Videodisc for support of teachers workshop 1996 ($495; in-kind contribution)

1995

43. Dwight D. Eisenhower Program (OSRHE/DOE): Teaching Teachers to Teach with Technology. 1995 (7mo. $34,775) (Co-PDs: K. Baird, J. Gelder)
44. OSU/Assessment: Development of a laboratory evaluation for a general-education biology course. 1995 (2 mo., $1616)
45. OSU/DIG: Improving the integration of lecture and laboratory experiences through the use of multimedia and communication technology. 1995. ($3,000; 1yr.)

1994

46. NSF: Instrumentation and Laboratory Improvement: Enhancing biology and psychology laboratories through the use of networked laboratory workstations. 1994 ($84,817; 2yr. $12,111 additional OSU Match) (Co-PI: C. Abramson)
47. W.C. Brown: BioSci II videodiscs for BISC 1114. 1994 ($9,333; in-kind contribution)
48. Prentice-Hall: *Authorware Academic for use in a faculty workshop* 1994 ($150; in-kind)
49. OSU/Instructional Equipment Funds: Enhancing the general education biology laboratories and learning resources center through the use of networked laboratory workstations. 1994 ($73,756, 1yr.)
50. OSU/Zoology: Improving observation and analytical skills of general-education students through the use of computer images and interactive multimedia in lecture classes. 1994 ($1,000; 1 yr.)
51. OSU/ASR: Development of a multimedia-training workshop for science educators. 1994 (Summer Salary; 1mo.)
52. OSU/DIG: An interactive video-field trip for use by students enrolled in introductory courses in their investigation of biomes and the adaptations of plants and animals. 1994 ($3,000; 1 Yr.)

1993

53. OSU Regents: Matching funds for enhancement of an introductory college laboratory exercise on wetland ecology. 1993 ($1,700; 1 yr.)
54. EPA: Environmental Education: Enhancement of an introductory college laboratory exercise on wetland ecology. 1993 ($5,000; 1yr.)
55. W.C. Brown: Videodisc player for BISC 1114. 1993 ($995; in-kind contribution)
56. Burgess Publishing: Development funds for the revision of the BISC 1114 laboratory manual 1993 (2mo. $1,000)
57. OSU/Zoology: *Development of a virtual Instrument for use in the BISC 1114 laboratory* 1993 ($1,000; 1Yr.)
58. OSU/DIG: Establishment of an authoring workstation for the development of interactive multimedia lessons for a general education science laboratory. 1993 ($3,000; 1Yr.)

1986-1992

59. U.S. Forest Service/AIPM: Continuation of research on the effect of Dimilin on molt in the blue crab, *Callinectes sapidus* 1992 ($23,000; $5,000 UMES cost-share)
60. U.S. Forest Service/NAPIAP: Effect of Dimilin on molt in the blue crab, *Callinectes sapidus*. 1991 ($98,000) (Co-PI: Dr. Steve Rebach)
61. NSF: The influence of sensory and morphological characteristics on prey and patch choice by portunid and cancrid crabs 1987 ($284,999)(PI: S. Rebach)
62. University of Maryland Designated Research Initiative Fund 1985, 1986, 1989 (total: $9,700)

Academic Achievements and Awards:

2nd Place Outstanding Paper Award – Midwest ASEE Section Meeting (2010)
National Association of Biology Teachers Research/Teaching Award (2008)
Nominated, Oklahoma Medal for Excellence in College/University Teaching (2007, 2008, 2009)
Honorary Member in the Golden Key International Honour Society (2006)
Oklahoma State University Regents Distinguished Teaching Award (2006)
Nominated NABT Teacher/Researcher Award (2006)
Finalist for College of Arts and Science Student Council Outstanding Professor (2005)
Phi Eta Sigma Honor Society Award for Excellence in Freshman Instruction 2003, 2005
Who's Who Among America's Teachers (8th edition 2004, 9th edition 2005, 10th edition 2006, 11th Edition 2007)
Best Student Poster: Gentry, M. and D. P. French. NABT National Convention, Chicago, IL, 11 November 2004
OSU Technology Innovator Award (2004)
Nominated for President, National Association of Biology Teachers (declined 2003; defeated 2004; 2010)
Featured on "INTO: What are you into?" on Macromedia website -
http://www.macromedia.com/into/index.html?promoid=pu2_homepage_into_090903
Society for College Science Teaching/Kendall-Hunt Outstanding Undergraduate Science Teacher Award (NSTA) - 2000
Oklahoma State Regents for Higher Education Instructional Technology Excellence Award 1999
Full Member Oklahoma State University Graduate Faculty 2000-
Finalist, AMOCO Teaching Award 1996
Associate Member Oklahoma State University Graduate Faculty 1992-2000
Invited panelist "The Compleat Crab" Symposium, American Society of Zoologists 1990
Associate Member University of Maryland Graduate Faculty 1986-1994
Carl Eigenmann Fellowship (Indiana University) 1982
Elected to Sigma Xi 1976

Graduate Advisement (Major Advisor):

Current:

Ph.D.: Andrea Moore (ENVS), Tarren Shaw (ZOOL), Anna Hiatt (ZOOL)
M.S.: Cynthia Newman (ZOOL)

Completed:

Tarren Shaw (The effects of podcast use on student achievement in an introductory biology course, Ph.D. 2009)
Nicholas Roster (The effects of inquiry-based teaching on attitudes, self-efficacy and science reasoning abilities in students of introductory biology courses at a rural, open-enrollment community college, Ph. D., 2006)
Melissa Gentry (Student success in an inquiry-based laboratory: the effect of pre-class activities and student preparation, M.S., 2005)
Connie Russell (Participation in introductory biology laboratories: an integrated assessment based on surveys, behavioral observations, and qualitative interviews., Ph.D. 1999)
Marilyn Ailes (*Phragmites australis* (Cav.) Trin. ex. Steud. community response to fire. M.S. 1993)
Andrew Ristvey (Behavioral responses to learned food odors in the rock crab, *Cancer irroratus*. M.S. 1993)
Carlisa M. Linton (Predation techniques used by blue crabs, *Callinectes sapidus*, on bivalves and effect of relative bivalve size on handling time. M.S. 1990)

Current Service:

Monograph Editor (SCST)
President's Advisory Board (SCST)
Chair, Four Year Section By-Laws Committee (NABT)
Advisor, Graduate Student Committee (NABT)
Chair, Provost's Teaching Research Grant Committee(OSU)
Academic Integrity Facilitator (OSU)
Chair, Zoology Technology Committee (OSU)
Advisor, Tri-Beta Honors Society (OSU)
Zoology Department Personnel Committee (OSU)
National Lab Day Organizing Team (OSU)
Center for Research in STEM Teaching and Learning advisory board (OSU)
Science Education Advisory Group, College of Education (OSU)

Previous Service:

University Service:

Oklahoma State University:
Zoology Department Personnel Committee (2010-; 1997-2000; Chair 1999-2000)
Internal Advisory Committee for *NSF Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP) (2008-9)*
Academic Integrity Facilitator (2007-)
Advisor, Tri-Beta Honors Society (2007-)
Secondary Science Faculty Search Committee (School of Teaching and Curriculum Leadership) (2007-9)
Chair, Institute for Teaching and Learning Excellence Provost's Teaching Research Grants Committee (2007-)
Institute for Teaching and Learning Excellence *ad hoc* Clicker Selection Committee (2007)
A&S Webmaster Search Committee (2006)
Zoology Department Head Search Committee (2005-6; 2006-7)
Zoology Department Undergraduate Committee (2006-9; Chair 2009)
Institute for Teaching and Learning Excellence *ad hoc* Course Management Oversight Committee (2006-7)
Institute for Teaching and Learning Excellence *ad hoc* Course Management Selection Committee (2005-6)
University Student Technology Fee Oversight Committee (2005-2008)
A&S Advisory Committee to Professional Education Council, OSU College of Education (2005, 2006, 2007)
Career Services Advisory Board for Students with Disabilities (2004)
University Honors Council (2007-2010; 2004-2007; 1998-2001)
Higher Learning Commission Accreditation Preparation Committee (Subcommittee Core Area IV) (2003-2005)
Co-Chair, OSRHE Biology Faculty Transfer Committee (2001-2003)
Secondary Science Educator Position Search Committee - College of Education (2001)
Secondary Science Educator Position Search Committee - College of Education (2000)
Geneticist/Science Educator Position Search Committee (1999)
Academic Computing Advisory Committee (1999-2002; 1993-1996)
Arts and Science Representative at OSU College of Education NCATE review (1999)
Chair, Introductory Biology Course Committee (1996-1998)
Chair, OSU Distance Education and Multimedia Training Program Committee (1996-1998)
Zoology Department Assessment Coordinator (1996-2000)
Zoology Department Undergraduate Committee (1996-1999; Chair 1998-1999)
OSU General Education Committee (1996)
Provost's *ad hoc* Committee on Multimedia & Distance Education (Spring 1996)
Zoology Department Task force on undergraduate education (Spring 1996)
College of Arts & Sciences Student Technology Fee Oversight Committee (Fall 1995)
College of Arts & Sciences Faculty Authoring Center Planning Committee (Fall 1995)
College of Education Teacher Preparation Program Review Committee (1995-1996)
Ecology Faculty Search Committee (Spring 1994)
Chair, Zoology Department Visiting Assistant Professor Search Committee (Spring 1994)
Chair, Zoology Department Ad Hoc Committee on Introductory Courses (Spring 1994)
Chair, Multimedia Sub-committee for Academic Computing Advisory Committee (1993-1996)
Chair, Zoology Department Technology Committee (1993-)
College of Arts & Sciences Promotion & Tenure Committee (1993-1994)
Special Interest Group for Multimedia in Academia (1992-1995)
University of Maryland Eastern Shore:

Instructor for WordPerfect & Lotus 1-2-3 Staff Workshops (1991-1992)
University-wide MEES Ecology Track Planning Committee (1992)
DNS Graduate Planning Committees: Ecology, Marine Biology, Natural Resource Management, Statistics (1991-1992)
UMES Senate Telecommunications and Technology Committee (1990-1992)
Parliamentarian UMES Senate (1989-1990)
UMES Senate Executive Committee (1989-1990)
UMES Senate (1988-1990)
Chair Senate Constitution & By-laws Committee (1989-1990)
Sea Grant Networking Committee (1989)
DNS Wildlife Biology Program Steering Committee (1989-1990)
CISE-IIMI Steering Committee (Computer Science)(1989-1990)
Marine Estuarine & Environmental Sciences (MEES) Curriculum Committee (1988-1992)
Summer Enrichment Program for Undergraduate Minority Students (1989)
Chair Faculty Assembly Academic Affairs Committee (1988)
Faculty Assembly Executive Committee (1988)
MEES Graduate Student Organization Faculty Advisor (1987-1988)
Coordinator for Basic Skills Biology Tutors (1987-1991)
Chancellor's Planning Committee for Staff Computer Literacy (1986)

Professional & Community Service:

Society for College Science Teachers
- Councilor-at-Large (2009-2010)
- Monograph Editor (2009-
- Immediate Past President (2007-2009)
- *ad hoc* By-Laws Committee 2007-2009)
- Chair, Nominations Committee (2007-2009)
- Chair, Presidents Advisory Board (2007-2009)
- President (2005-2007)
- President-Elect (2003-2005)
- Introductory College Science Committee (2002)
- President's Advisory Board (2001; 2007-)

National Association of Biology Teachers:
- Mentor (2006, 2007, 2008, 2009)
- Grants Committee (2007-8)
- Membership Committee (2006-7)
- Web Taskforce (2004-6)
- Four year College Section By-Laws Committee (2004- ; Chair 2007-)
- Four year College Section Nominations Committee (2006)
- Biology Program Guidelines Committee, Four-year College Section (2004)
- Four-year College Teaching Award Selection Committee (2002)
- Chair, Four-year College Section (2001)
- Vice-Chair, Four-year College Section (2000)
- Secretary-Treasurer, Four-year College Section (1999)
- Faculty Preparation Committee, Four-year College Section (1995-1998; Chair, 1997-8)
- Session Moderator (1997, 1999)

National Science Teachers Association:
- Council (2005-2007)
- College Committee (2005-2007)
- Alliance of Affiliates Task Force (2006-2007)
- 21st Century Skills Advisory Committee (2006-2007)
- Publications Editorial Review Board (2001-2003)
- Journal of College Science Teaching
  - Editor, SCST Column (2005-2007)
  - Advisory Board (2005-2007) (2000-2003); Chair (2002-2003)
  - Review Board (2004-2007)

Board of Advisors for McGraw-Hill Biology project (2008-9)

Board of Advisors for *Biology: Concepts and Investigations* McGraw-Hill Publishers. (2007-8)
Stillwater Public Schools Board of Education Textbook Selection Committee (2006)
MERLOT Biology Editorial Review Board (2001-2002)
Animation Storyboard Creator for W.C. Brown/McGraw-Hill (2000)
Expert Reviewer, MERLOT (1999-2001; 2002-)
Chair, Professionalism workgroup for "Preparation to Practice" NSF Teacher Education PI Workshop, 7-8 May 1999, Washington, D.C.
Chair NSF-CCLI Review Panel (17-19 Feb 1999)
Oklahoma State Regents for Higher Education -Faculty Cooperative Curriculum Development Project (1998-2000)
Dwight D. Eisenhower Program Review Panel (Oklahoma State Reagents for Higher Education) (1992-1995)
Co-chair NSF-ILI Review Panel (Spring 1996)
Stillwater Outdoor Environmental Resource Center Committee (1994-1996)
Reviewer for *Cell Biology Education/CBE-Life Sciences, Journal of College Science Teaching, School Science & Mathematics*
Reviewer for NSTA Publications
Reviewer for *Animal Behavior*, *Copeia* & *Journal of Crustacean Biology*
Reviewer for NSF (Biopsychology, SBIR, Biological Oceanography, Int'l., ILI , CCLI Programs)
Reviewer for Prentice Hall (Textbooks, Software)
Reviewer for W.C. Brown/McGraw-Hill (Textbooks, Software)
Animal Behavior Society Membership Committee (1991)
Judge for Ph.D. student presentation award at Atlantic Estuarine Research Society (AERS) conference (1990-1991)
Judge for M.S. student presentation award at AERS conference (1990-1991)
Judge Wicomico County Science Fair (1989-1991)
Judge Somerset County Science Fair (1989-1992)
Chair AERS Computer Search Committee (1987)

Courses Taught (Lecture and/or Laboratory)

Graduate: Biostatistics, Computer Application in Science: Image Analysis, Current Topics in Biology for Teachers, Feeding & Foraging, Marine Ecology, Sensory Biology of Aquatic Organisms, Statistical Treatment of Research Data, Special Problems, Teaching Zoology, Succeeding in the Professoriate
Undergraduate: Animal Behavior, Entomology, General Biology (Majors, Non-Majors, Elementary Education, Audio-tutorial), General Zoology, Introduction to Environmental Science, Introductory Biology: Populations and Ecosystems, Invertebrate Zoology, Marine Zoology, Microtechnique, Oceanography, Theories and Applications of Biology

Professional Memberships

National Association of Biology Teachers
Society of College Science Teachers
National Science Teachers Association
Oklahoma Science Teachers Association