

DAVID A. WILEY, Ed.D.

Associate Dean for Teacher Education
Reich College of Education
Appalachian State University
Boone, NC 28608

Professional Preparation:

Post Doctoral	Pennsylvania State University, State College, PA Science-Technology-Society Education, 1988
	Clarion University, Clarion, PA Science-Technology-Society Teaching Methods, 1987
	University of Iowa, Iowa City, IA Science-Technology-Society in the Secondary School, 1985
	University of Iowa, Iowa City, IA Teaching science to the gifted, 1984
Ed.D.	Temple University, Philadelphia, PA Science Education, 1983
M.S. Ed	Temple University, Philadelphia, PA Science Education, 1977
B.S. Ed.	Temple University, Philadelphia, PA Earth Science Education, 1974

Certifications:

1996	REEP (Regional Environmental Education Program) Facilitator's Training Workshop
1995	National Science Education Standards Workshop
1995	Project Wild Workshop
1992	KARE (Keystone Aquatic Resources Education) Inservice Program Training
1987	TESA (Teacher Expectation-Student Achievement) Inservice Program Project Director
1979	NASA Participant, Lunar Samples Education Project
1979	NASA Participant, Lunar Samples Education Project
1979	NASA Participant, Lunar Samples Education Project
1979	NASA Participant, Lunar Samples Education Project
1978	PA. Instructional II, Earth and Space, and General Science
1974	PA. Instructional I, Earth and Space, and General, Science
1970	FAA., Private Pilot, S.E.L.

Professional Experience:

July 2011 -	Associate Dean for Teacher Education
Present	Reich College of Education, Appalachian State University
July 2011 -	Professor of Education (Tenured, Full)
Present	Reich College of Education, Appalachian State University
August 2008 -	Dean: College of Education and Human Services
June 2011	Lenoir Rhyne University, Hickory, NC
August 2008 -	Professor of Education (Tenured, Full)

June 2011 Lenoir Rhyne University, Hickory, NC

Professional Experience (cont.):

September 2003-	<u>Certification Officer</u>
August 2008	University of Scranton, Scranton, PA
September 1999-	<u>Professor of Education (Full)</u>
August, 2008	University of Scranton, Scranton, PA
June 1994-	<u>Chair, Education Department (elected 1993; 1996; 1999)</u>
August, 2003	University of Scranton, Scranton, PA
September 1992-	<u>Associate Professor of Education</u>
August 1999	University of Scranton, Scranton, PA
August 1988-	<u>Assistant Professor of Education</u>
August 1992	University of Scranton, Scranton, PA
June 1985-	<u>Adjunct Lecturer, Geology</u>
December 1987	Chestnut Hill College, Philadelphia, PA
September 1974-	<u>Teacher</u> , secondary science and S-T-S
September 1988	Bensalem High School, Bensalem, PA
December 1973 -	<u>Teacher</u> , secondary science and math
June 1974	Northern Chester County Technical School, Phoenixville, PA

Professional Memberships:

North Carolina Association of Colleges and Teacher Educators (2008-present)
 National Science Teachers Association 1976-present (District IV Director, 2000-2003),
 and Board of Directors (2008-2011)
 National Association Geology Teachers (PA Councilor, 1991-1993)
 Pennsylvania Science Teachers Association (President, 1991)
 National Science Education Leadership Association
 National Association for Science-Technology-Society
 School Science and Mathematics Association
 Association for Supervision and Curriculum Development
 Phi Delta Kappa (Inducted into Beaver College Chapter, transferred to Scranton Chapter)
 Pennsylvania Association of Colleges and Teacher Educators
 Pennsylvania Deans of Education Forum

Teaching:

Courses Taught (an old numbering system in parenthesis):
 NSCI 201 (INTD 32)-Science and the Human Environment
 PHYS 102 - Earth Science
 EDUC 280 (23) - Sophomore Field Experience
 EDUC 380 (24) - Junior Field Experience
 EDUC 313 (103) - General Methods and Planning
 EDUC 314 (104) - Specific Methods in Teaching Science
 EDUC 342 (111) - Educational Media and Technology
 EDUC 344 (119) - Science Methods for Elementary Teaching
 EDUC 348 (N/A)- Integrated Methods: Science and Mathematics
 EDUC 476-479 (115-118) - Secondary Student Teaching Supervision
 ECUI 511 (GRAD) - Computer Literacy for Educators
 ECUI 509 (GRAD) - Improving Instruction
 ESEC 560 (GRAD) - Subject Methods in Science

EELM 574 (GRAD) - Teaching Elementary Science
ESEC 580 (GRAD) - Teaching Internship Supervision

Teaching (cont.):

EELM 575 (GRAD) -Elementary S-T-S Methods
ESEC 576 (GRAD) - Secondary S-T-S Methods
INTD 100 -Freshman Experience

Scholarship: Books:

Montgomery, K. & Wiley, D. A. (2008). Building E-Portfolios Using PowerPoint: A Guide for Educators, 2nd Edition. Thousand Oaks, CA : Sage

Montgomery, K. & Wiley, D. A. (2004). E-Portfolios Using PowerPoint: A Guide for Educators. Thousand Oaks, CA : Sage

Wiley, D. A. & Royce, C. A. (2000). Investigate and Connect: Earth and Space Science. Milwaukee, WI: Instructional Fair/T. S. Dennison.

Wiley, D. A. & Royce, C. A. (2000). Investigate and Connect: Life Science. Milwaukee, WI: Instructional Fair/T. S. Dennison.

Wiley, D. A. & Royce, C. A. (2000). Investigate and Connect: Physical Science. Milwaukee, WI: Instructional Fair/T. S. Dennison.

Publications (Research):

Blosky, E. & Wiley, D. A. (in review) Gender Equity in the Science Classroom.

Salisbury, S. & Wiley, D. A. (in review). Calculator dependence and the development of mathematics concepts

Silla, V. A. & Wiley D. A. (2008). Measuring the Relationship Between Electronic Portfolios and Student Teaching Competencies. Journal of Research in Education, 18, Fall, 2008. 1-15.

Fusaro, J. A., Shibley, I. A. & Wiley, D. A. (2006). Learning Disabilities and the Pennsylvania System of School Assessment: Perceptual and Motor Skills, 102, 760-766.

Wiley, D. A. (2004). A season to inquire. Science & Children, 42, (3). 16-18.
Royce, C. A. & Wiley, D. A. (2005). The common ground: The rationale for integrating science and reading. Science & Children, 43, (5). 40-43.

Wiley, D. A. & Royce, C. A. (2003). Crash into meteorite learning. Reprinted in NSTA. (2003). Mixing It Up: Integrated, Interdisciplinary, Intriguing Science in the Elementary Classroom. Arlington, VA: Author.

Wiley, D. A. (2003). Differences and diversity. Science & Children, 41, (3). 16-18.

Publications (Research, cont.):

Hobbs, T., Wiley, D. A., Westling, D. L., & Howell, L. (2002) Preparing for inclusion: A model class for general and special educators in a science methods course. Journal of Education and Rehabilitation for Children with Disabilities, 1, (1). 1-10.

Wiley, D. A., Royce, C. A., & Knight, M. V. (2001). A meta-analysis of field trip research on cognitive development of science students. National Association of Lab Schools Journal, XXV, (1). 17-21

Wiley, D. A. (2000). Crash into meteorite learning. Science & Children, 37, (8). 16-19.

Wiley, D. A. (1998, Winter). Are we missing somebody? The PSTA Exchange, 21, (4).8.

Zielinski, E. J. & Wiley, D. A. (1998). An ethical discussion analysis model for STS. The Bulletin of STS, 18. 261-265.

Wiley, D.A., & Royce, C. A. (1998, Summer). Ziploc gardens. The Science Educator, 46, (4). 11. (From The PSTA Exchange, 19, (2).14. Summer 1996).

Royce, C. A. & Wiley, D. A. (1997, summer/fall). Children's literature and the teaching of science: Possibilities and Cautions. Appraisal, 30 (3&4) 1. [from The Clearing House, 70, (1)].

Wiley, D.A., & Royce, C. A. (1996, Summer). Ziploc gardens. The PSTA Exchange, 19, (2).14. Summer 1996

Wiley, D.A., & Royce, C. A. (1996, Summer). Ziploc gardens. The PSTA Exchange, 19, (2).14. Summer 1996.

Wiley, D. A. (1996, Spring). The use of children's literature to teach science: Suggestions from research. The PSTA Exchange, 19, (1). 7-8.

Royce, C. A., & Wiley, D. A. (1996). Children's literature and the teaching of science: Possibilities and cautions. The Clearing House, 70, (1). 18-21.

Wiley, D. A. (1991). Implementing a one year science-technology-society course. The Clearing House, 64, (3). 102-104.

Wiley, D. A. (1991). Observations on a science-technology-society course for nonscience students. Perceptual and Motor Skills, 72, (3). 845-846.

Wiley, D. A. (1987). Why so few exemplars?. The Clearing House, 60, (5). 236-237.

Wiley, D. A. (1987). Making earth science non-traditional. Science Scope 10, (4). 6.

Wiley, D. A., & Humphries, D. (1985). *The geology field trip in ninth grade earth science. Journal of Geological Education*, 33, (2). 126-127.

Publications (Non-Research):

Wiley, D. A. (1999, Summer). What Robert's Rules says about.... Chapters, affiliates and groups. The PSTA Exchange, 22, (2). 19.

Wiley, D. A. (1999, Spring). What Robert's Rules says about.... the horizons of PSTA. The PSTA Exchange, 22, (1). 33.

Wiley, D. A. (1998, Winter). What Robert's Rules says about.... the affiliates of PSTA. The PSTA Exchange, 21, (4). 23.

Wiley, D. A. (1998, Summer). What Robert's Rules says about.... the governing documents of PSTA. The PSTA Exchange, 21, (2). 8.

Wiley, D. A. (1998, Spring). From the chair.... The Liaison: A Newsletter of the Education Department of the University of Scranton, 4, (2). 2.

Wiley, D. A. (1998, Spring). What Robert's Rules says about.... Committees. The PSTA Exchange, 21, (1). 18.

Wiley, D. A. (1997, Winter). What Robert's Rules says about.... The purposes of PSTA. The PSTA Exchange, 20, (4). 15.

Wiley, D. A. (1997, Summer). Did you know what Robert's Rules says about.... Meetings. The PSTA Exchange, 20, (2). 20.

Wiley, D. A. (1997, Spring). From the chair.... The Liaison: A Newsletter of the Education Department of the University of Scranton, 3, (2). 2.

Wiley, D. A. (1997, Fall). What Robert's Rules says about.... Meeting quorums. The PSTA Exchange, 20, (3). 16.

Wiley, D. A. (1996, Fall). From the chair.... The Liaison: A Newsletter of the Education Department of the University of Scranton, 3, (1). 2.

Wiley, D. A. (1996, Spring). From the chair.... The Liaison: A Newsletter of the Education Department of the University of Scranton, 2, (2). 2.

Wiley, D. A. (1995, Fall). From the chair.... The Liaison: A Newsletter of the Education Department of the University of Scranton, 2, (1). 2.

Wiley, D. A. (1995, Spring). From the chair.... The Liaison: A Newsletter of the Education Department of the University of Scranton, 1, (2). 3.

Wiley, D. A. (1995). University promotes reform in science education. The Record, University of Scranton. 8, (1). 2.

Wiley, D. A. (1995). Self-study and responses to general standards submitted to the Pennsylvania Department of Education. University of Scranton, Scranton, PA.

Publications (Non-Research, cont.):

Wiley, D. A. (1993). University of Scranton Education Department, self-study report to the National Council for the Accreditation of Teacher Education. University of Scranton, Scranton, PA.

Wiley, D. A. (1993). Education Student Handbook. University of Scranton, Scranton, PA.

Wiley, D. A. (1991, November). President's welcome. Convention Pamphlet for Pennsylvania Science Teachers Association 1991 Convention.

Wiley, D. A. (1991, Spring). Funding your trip to the PSTA convention. The PSTA Exchange, 14, (2).

Wiley, D. A. (1990, November). Welcome to the convention. Convention Pamphlet for Pennsylvania Science Teachers Association 1990 Convention.

Zielinski, E. J., Bell, P. E., & Wiley, D. A. (1989, May). PA STEP STS courses: Goals and objectives. Pennsylvania Science Teachers Education Program. Unpublished manuscript, Clarion University, Pennsylvania.

Wiley, D. A. (1988, Spring). What's in a star?. Directions. Wards Natural Science Establishment.

Wiley, D. A. (1987, Fall). STS - A study of the real world. The Exchange. Pennsylvania Science Teachers Association.

Wiley, D. A. (1984, January). A comparison of the effectiveness of geological conceptual development within two field trip types as compared with classroom instruction. Dissertation Abstracts International.

Wiley, D. A. (1981, September). Science teachers as science do-ers. Temple University Science Education Newsletter. Philadelphia, PA.

Wiley, D. A. (1981, June). Mainstreaming of science students at Bensalem High School. Temple University Science Education Newsletter, Philadelphia, PA.

Folkomer, T., & Wiley, D. A. (1981, May). The geology of the Lehigh gorge: A pamphlet for whitewater challengers. White Haven, PA.

Wiley, D. A. (1976, May). A field trip guide to the geology of Bucks County. Temple University, Philadelphia, PA.

Presentations at Professional Meetings:

Wiley, D. A. & Groce, R. D. (2013, proposal pending decision). Dispositions as a tool for undergraduate teacher candidates to self-identify professional development needs. Proposal filed for presentation at the 2014 meeting of the American Association of Colleges and Teacher Educators.

Wiley, D. A. & Groce, R. D. (2013, accepted). A use of dispositions to guide Professional Development in Electronic Evidence #6. Accepted for the September 2013 meeting of NC-ACTE.

Wiley, D. A. & McGee, J. R. (2012, June). Tracking diversity in field experiences. Roundtable session presented at the Tk20 Users Conference, Sponsored by Tk20, Inc, Austin, TX

Silla, V. and Wiley, D. A. (2010, March). Adapting elementary inquiry to include all studnets. Session presented at the 2010 National Conference on Science Education, Sponsored by the National Science Teachers Association, Philadelphia, PA.

Wiley, D. A., Eberle, F. Q., Pederen, J., Allan, E., Norman, K., & Brownstein, E. M. (2010, March). The NSTA Standards for Science Teacher Preparation Revised. Session presented at the 2010 National Conference on Science Education, Sponsored by the National Science Teachers Association, Philadelphia, PA.

Wiley, D. A., Pederen, J. (2010, March). Information, Networking, and support for pre-service and new teachers. Session presented at the 2010 National Conference on Science Education, Sponsored by the National Science Teachers Association, Philadelphia, PA.

Wiley, D. A., Eberle, F. Q., Pederen, J., Allan, E., Norman, K., & Brownstein, E. M. (2009, October). Revising the NSTA Science Teacher Preparation Program Standards. Session presented at the 2009 Area Conference on Science Education, Sponsored by the National Science Teachers Association, Minneapolis, MN.

Wiley, D. A. (2009, March). Inquiry activities integrating science and mathematics. Session presented at the 2009 National Conference on Science Education, Sponsored by the National Science Teachers Association, New Orleans, LA.

Wiley, D. A. & Pederson, J. (2009, March). ASTE Session: Information, networking and support for preservice and new teachers. Session presented at the 2009 National Conference on Science Education, Sponsored by the National Science Teachers Association, New Orleans, LA.

Wiley, D. A. & Silla-Zaleski, V. (2009, March). The digital e-portfolio in science teacher professional development. Session presented at the 2009 National Conference on Science

Education, Sponsored by the National Science Teachers Association, New Orleans, LA.

Wiley, D. A. (2008, November). Revising the NSTA standards. Paper presented at the 2008 Area Conference on Science Education sponsored by the National Science Teachers Association, Portland, OR.

Presentations at Professional Meetings (cont.):

Wiley, D. A. (2008, November). Green math for Earth Day and every day. Workshop presented at the annual meeting of the Pennsylvania Council of Teachers of Mathematics, Lake Harmony, PA.

Silla-Zaleski, V., Montgomery, K. M. & Wiley, D. A. (2008, October). The reflective electronic portfolio as an exit measure: Is it worth the effort? Paper presented at the annual meeting of the Pennsylvania Association of Colleges and Teacher Educators, Harrisburg, PA.

Wiley, D. A. & Wagner, J. (2008, March). Activities that integrate science with mathematics and reading. Workshop presented at the meeting of the National Conference on Science Education (NSTA), Boston.

Fusaro, J. A., Shibley, I. A. & Wiley, D. A. (2004, October). The effect of learning disabilities on PSSA mathematics scores. Paper presented at the annual meeting of the Pennsylvania Association of Colleges and Teacher Educators, Harrisburg, PA.

Montgomery, K & Wiley, D. (2003, Jan.). Monitoring the non-academic behaviors of preservice teachers: A systematic model. Workshop presented at the meeting of the American Association of Colleges for Teacher Education, New Orleans.

Wiley, D. A. (2002, October). Science and children's literature – Elementary activities that stimulate inquiry. Workshop presented at the meeting of the New Jersey Science Convention, Somerset, NJ.

Wiley, D. A. (2002, March). Field trip research - What does it say? Workshop presented at the meeting of the National Science Teachers Association, San Diego.

Royce, C. A. & Wiley, D. A. (2002, March). The results of research: Using children's literature in the elementary science curriculum. Workshop presented at the meeting of the National science Teachers Association, San Diego.

Wiley, D. A. & Hechtman, J. (2002, March). Auditing science curriculum K-12: Looking at content, sequence, methodology and evaluation. Workshop presented at the meeting of the National Association of Laboratory Schools, San Juan, P.R.

Edwards, B., Hutson, B., Hechtman, J & Wiley, D. A. (2002, March). Activities to support hands-on science and the children's literature connection. Workshop presented at the meeting of the National Association of Laboratory Schools, San Juan, P.R.

Wiley, D. A., McIlwaine, W., Mechling, K. R., Lazzaro, A. & Hechtman, J. (2001, December). PSTA - the retrospective. Invited general session presenter and host for the meeting of the Pennsylvania Science teachers Association, Hershey, PA.

Wiley, D. A. (2001, October). Children's literature and elementary science. Workshop presented at the meeting of the New Jersey science Teachers Convention, Somerset, NJ.

Presentations at Professional Meetings (cont.):

Wiley, D. A. & Royce, C. A. (2000, April). Stories + science = successful integration: Children's literature in the elementary science curriculum. Workshop presented at the meeting of the National Science Teachers Association, Orlando.

Wiley, D. A. & Royce, C. A. (2000, April). What research tells us about children's literature in the elementary science curriculum. Paper presented at the meeting of the National Science Teachers Association, Orlando.

Wiley, D. A. (1999, December). Earth science and children's literature. Workshop presented at the meeting of the Pennsylvania Science Teachers Association, Hershey, PA.

Wiley, D. A. (1999, October). Connecting science & children's literature through inquiry. Paper presented at the meeting of the New Jersey Science Teachers Convention, Somerset, NJ.

Wiley, D. A. & Royce, C. A. (1999, March). What research tells us about Children's literature in the elementary science curriculum. Paper presented at the meeting of the National Science Teachers Association, Boston, MA.

Wiley, D. A. (1998, December). Workshop for new inservice science teachers. Workshop presented at the meeting of the Pennsylvania Science Teachers Association, Hershey, PA.

Wiley, D. A. (1998, December). Workshop for preservice science teachers. Workshop presented at the meeting of the Pennsylvania Science Teachers Association, Hershey, PA.

Wiley, D. A. & Royce, C. A. (1998, December). Science and children's literature: A striking combination. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Hershey, PA.

Wiley, D. A. & Royce, C. A. (1998, October). Physical science activities for elementary teaching. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1998, April). The science teacher in vo-tech settings. Paper presented at the meeting of the National Science Teachers Association, Las Vegas, NV.

Wiley, D. A., & Royce, C. A. (1998, April). Connecting science and literature. Paper presented at the meeting of the National Science Teachers Association, Las Vegas, NV.

Wiley, D. A., & Royce, C. A. (1997, October). Connecting science and children's literature. Paper presented at the meeting of the National Science Teachers Association, Pittsburgh, PA.

Wiley, D. A., & Royce, C. A. (1997, April). Science through children's literature. Paper presented at the meeting of the National Science Teachers Association, New Orleans, LA.

Wiley, D.A. (1996, December). Workshop for new inservice science teachers. Workshop presented at the meeting of the Pennsylvania Science Teachers Association, State College, PA.

Wiley, D. A. (1996, December). Workshop for preservice science teachers. Workshop presented at the meeting of the Pennsylvania Science Teachers Association, State College, PA.

Presentations at Professional Meetings (cont.):

Royce, C. A., & Wiley, D. A. (1996, December). Utilizing children's literature to teach science. Paper presented at the meeting of the Pennsylvania Science Teachers Association, State College, PA.

Wiley, D. A. (1996, October). What can field trips in earth science do. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Cook, D., & Wiley, D. A. (1996, October). The great debate: New Jersey science standards versus national standards. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1996, October). Activities to make elementary science connect. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A., & Royce, C. A. (1996, March). Using children's literature to teach science. Paper presented at the meeting of the National Science Teachers Association, St. Louis, MO.

Royce, C. A., & Wiley, D. A. (1995, November). Science centered thematic units in the elementary classroom. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Valley Forge, PA.

Wiley, D.A. (1995, July). Integrating high school science through STS. Paper presented at the meeting of the National Science Teachers Association, Jamaica.

Wiley, D.A., Royce, C. A., & Colangelo, D.M. (1995, March). Using children's literature to teach science and stuff. Paper presented at the meeting of the National Science Teachers Association, Philadelphia, PA.

Wiley, D. A., & Royce, C. A. (1994, December). STS science across the elementary curriculum. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Pittsburgh, PA.

Wiley, D. A. (1994, October). Integrative elementary science. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Piel, E. J., Truex, R., & Wiley, D. A. (1994, October). Implementation of STS in the elementary/secondary curricula. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D.A., & Colangelo, D. M. (1994, March). Integrating science in the elementary classroom through STS. Paper presented at the meeting of the National Science Teachers Association, Anaheim, CA.

DiGiarmo, S., & Wiley, D. A. (1993, November). Making the mathematics-science connection. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Allentown, PA.

Presentations at Professional Meetings (cont.):

Wiley, D. A. (1993, November). Integrating science in the elementary school through STS. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Allentown, PA.

Wiley, D. A. (1993, October). Making the mathematics-science connection. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1993, October). Decision making in technology assessment using the futures wheel. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Truex, R. J., Piel, E. J., & Wiley, D. A. (1993, October). STS practioners panel. (By invitation). Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, N.J.

Wiley, D. A. (1993, October). Integrating science in the elementary classroom through STS. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1992, November). S-T-S activities in the elementary science classroom. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Pittsburgh, PA.

Piel, E. J., Wiley, D. A., Truex, R. J, & Nelson, B. (1992, October). Science, technology and society practitioner's panel. (By invitation). Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1992, October). Activities in elementary science, technology and society. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1992, October). Activities with science and technology. (By invitation). Paper presented at the meeting of the Montgomery County Science Teachers Association, Pottstown, PA.

Zielinski, E. J., & Wiley, D. A. (1991, November). STS share-a-thon (K-12). Paper presented at the meeting of the Pennsylvania Science Teachers Association, Carlisle, PA.

Wiley, D. A. (1991, October). Discussion of bioethical issues in STS. (By Invitation). Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Wiley, D. A. (1991, March). Mathematics connections in the science classroom. (By

Invitation). Paper presented at the meeting of the Pennsylvania Council of Teachers of Mathematics, Pittsburgh, PA.

Wiley, D. A., & Zielinski, E. J. (1991, March). Discussion of ethical issues in science/technology/society. Paper presented at the meeting of the National Science Teachers Association, Houston, TX.

Presentations at Professional Meetings (cont.):

Zielinski, E. J., & Wiley, D. A. (1990, November). A Pennsylvania S-T-S network. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Reading, PA.

Wiley, D. A., & Zielinski, E. J. (1990, November). A model for developing ethics discussions for science. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Reading, PA.

Wiley, D. A. (1990, October). The administrator's role in STS. Paper presented at the meeting of the New Jersey Science Teachers Association, Somerset, NJ.

Zielinski, E. J., Wiley, D. A., & Truex, R. (1990, February). Discussions in ethics for secondary S-T-S. Paper presented at the meeting of the Technological Literacy Conference. Washington, DC.

Wiley, D. A. (1989, February). A one year S-T-S course. Paper presented at the meeting of the Technology Literacy Conference IV, Washington DC.

Wiley, D.A. (1989, February). Teaching science through S-T-S: The Bensalem experience. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Pittsburgh.

Wiley, D. A. (1988, November). Implementing STS - The Bensalem experience. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Carlisle, PA.

Shandelman, B., & Wiley, D. A. (1987, November). Using TESA for science inservice. Paper presented at the meeting of the National Science Teachers Association, Pittsburgh, PA.

Wiley, D. A. (1987, November). Cooperative educational strategies and STS. Paper presented at the meeting of the National Science Teachers Association, Pittsburgh, PA.

Wiley, D. A. (1987, November). Cooperative educational strategies in the earth science classroom. Paper presented at the meeting of the National Science Teachers Association, Pittsburgh, PA.

Wiley, D. A. (1986, March). Cooperative educational strategies in the earth science classroom. Paper presented at the meeting of the National Science Teachers Association, San Francisco, CA.

Wiley, D. A., Bodolus, J., & Smith, D. (1985, March). Cooperative teaching strategies for use in the earth science classroom. Paper presented at the meeting of the National Science Teachers Association, Cincinnati, OH.

Wiley, D. A. (1983, October). The geological field trip as an earth science activity. Paper presented at the meeting of the Pennsylvania Science Teachers Association, Pittsburgh, PA.

Other Presentations:

Wiley, D. A. (2010, January). The Geology of the Caribbean. Presentation to an honors class on J. Brzorad. Lenoir-Rhyne University.

Wiley, D. A. (1999, March). Elementary science and children's literature: Activities and curricular extensions. Short course workshop presented at the meeting fo the National Science Teachers Association.

Wiley, D. A. (2008, October). Lenoir-Rhyne University's College of Education and Human Resources: Directions and promise for a transformed future. Presentation to the Cataba County Lions Club. Hickory, NC.

Wiley, D. A. (2008, April). Keynote: Teaching: What it means. Meeting of the Sigma Chi Chapter, Kappa Delta Pi, Scranton, PA.

Wiley, D. A. (1998, March). Elementary science and the Pennsylvania State Science Assessment. Workshop for elementary teachers. Wilkes-Barre School District, Wilkes-Barre, PA.

Wiley, D. A. (1998, March). Secondary science and the Pennsylvania State Science Assessment. Workshop for secondary teachers. Wilkes-Barre School District, Wilkes-Barre, PA.

Wiley, D. A. (1997, July). Integrating mathematics and science through children's literature. Luzerne County Intermediate Unit #18, Wilkes Barre, PA.

Wiley, D. A. (1997, April). Population issues. Sponsored by Zero Population Growth, Population Educator Trainers Network, and the University of Scranton Education Department, Scranton, PA.

Wiley, D. A. (1997, March). Population educators workshop. Sponsored by Zero Population Growth, Population Educator Trainers Network, and the University of Scranton Education Department, Scranton, PA.

Zielinski, E. J., Wiley, D. A., Gordon, D., Royce, C. A., & Preston, D. (1996, December). Regional environmental education program workshop. Pennsylvania State University Main Campus, State College, PA.

Wiley, D. A. (1996, September). The National Science Standards: An opportunity. Luncheon address to superintendent and principals, Wilkes-Barre School District, Wilkes-Barre, PA.

Wiley, D. A. (1996, September). Effective teaching techniques in secondary classrooms. Harrisburg Diocesan Schools, Harrisburg, PA.

Wiley, D. A. (1994, October). Science and mathematics: Parallels in reform. (By invitation). Paper presented at the meeting of the Northeastern Pennsylvania Council of Teachers of Mathematics, Scranton, PA.

Other Presentations (cont.):

Wiley, D. A. (1994, August). Integrating children's literatures for effective science lessons. Holy Rosary School, Scranton, PA.

Wiley, D. A. (1993, March). Outcomes based instruction and the parent teacher association role. (By invitation). Paper presented at the meeting of the Northeast Regional P.T.A. Conference.

Wiley, D. A. (1992, August). Secondary S-T-S summer workshop. University of Scranton. Two week Workshop funded by Pennsylvania Science Teachers Education Program. Served as coordinator and instructor.

Wiley, D. A. (1990, April). Improving lectures through questioning. University of Scranton's Office of Instructional Development, Scranton, PA.

Wiley, D. A. (1990, March). The geologic development of Pennsylvania in terms of the new plate tectonics. West Chester University, West Chester, PA.

Wiley, D. A. (1990, March). Teaching science through children's literature. West Chester University, West Chester, PA.

Wiley, D. A. (1990, March). S-T-S science education innovation. Elmira School District Workshop, Elmira College, New York.

Wiley, D. A. (1988, October). The STS connection. Increased Productivity Through Automation Program of the University of Scranton

Wiley, D. A. (1983, May). The geology of Ralph Stover State Park. Meeting of the Bucks County Earth Science Society.

Funded Research:

2005	"Partnership for Field III experience with Pocono Mountain School District (Internal: Education for Justice Program) \$8,000
2002	"Performance assessment of students through technology"
	Improving Technology at Colleges and Universities (Link-to learn program). \$136,948.00. (co-PI with Kathleen Montgomery)
2002	"Scranton partnership for improvement of student achievement in

- 1996 mathematics." Eisenhower Post-Secondary Professional Development Program. \$195,080.00. (co-PI with Barbara Cozza)
 "A comparison of science teaching in area vocational-technical schools versus comprehensive high schools." Internal Research Grant, the University of Scranton. \$830.00.
- 1992 "Secondary Science-Technology-Society Methods Workshop." Pennsylvania Science Teachers Education Program. \$29,900.00.

Funded Research (cont.):

- 1991 "Elementary Science-Technology-Society Methods Workshop." Pennsylvania Science Teachers Education Program. \$27,380.00.
- 1991 Task Force Member for "Undergraduate Biological Sciences Education Initiative." Howard Hughes Medical Institute. \$700,000.00
- 1990 "Secondary Science-Technology-Society Methods Workshop." Pennsylvania Science Teachers Education Program. \$25,400.00

Unfunded Proposals

- 2002 "Mathematics in Cross Cultural Communities (MC3): Local Schools, Community Outreach and a Global School Community" N.S.F. (Math-Science Partnership) \$1.3M
- 1995 "The Science and Mathematics Initiative Leading Educational Reform" Pennsylvania Department of Education. \$184,217.00
- 1989 "A Model Inservice Program to Improve High School Science Through Regional Ethical Concerns." National Science Foundation. Rewritten and Resubmitted 1990 and 1991. \$111,497.00.

Other Activities:

- 2012 Represented the Reich College of Education at the Provost's Council, 14 November 2012 in the Dean's absence
- 2012 Represented the Reich College of Education at the Dean's Council, 7 March in the Dean's absence
- 2011 Represented the Reich College of Education at the UNC Deans of Education Meeting, Raleigh, NC, October
- 2011 Unit Administrator Training, Tk20, Austin, TX for unit assessment purposes, September.
- 2009 Represented NSTA at the NCATE-Partnership Executive Directors meeting, Washington D.C., November,
- 2009 Represented Lenoir-Rhyne University at the North Carolina Association of Colleges and Teacher Educators Spring Meeting, Oct.
- 2009 Represented Lenoir-Rhyne University at the North Carolina Association of Colleges and Teacher Educators Spring Meeting, Apr.

- 2008 Manuscript Reviewer, NSTA Press.
December: Book proposal on discrepant event
- 2008 Represented Lenoir-Rhyne University at the North Carolina Association of Colleges and Teacher Educators Annual Conference, Oct.
- 2005 Attended in Virginia Summit on Interdisciplinary Curricula Models, Norfolk, VA.
- 2005 Attended Alternative Certification Conference of NCAC, Orlando, Florida

Other Activities (cont.):

- 2002 Represented the University of Scranton at the meeting of the National Assoc. of Laboratory Schools, Puerto Rico
- 2000 Lead teacher for funded summer academy for middle school students, the 2000 University of Success
- 2000 Represented University of Scranton at PACTE annual convention. October 2000, Grantville, PA.
- 2000 Pennsylvania Deans of Education forum, Oct 2000, Grantville, PA.
- 1999 Lead teacher for funded summer academy for middle school students, the 1999 University of Success
- 1998 Represented University of Scranton at PACTE annual convention. October 1998, Grantville, PA.
- 1998 Pennsylvania Deans of Education forum, Oct 1998, Grantville, PA.
- 1998 Lead teacher for funded summer academy for middle school students, the 1998 University of Success
- 1998 Represented the University of Scranton at the Pennsylvania Deans of Education forum, May, 1998, Harrisburg, PA.
- 1997 Lead teacher for funded summer academy for middle school students, the 1997 University of Success
- 1997 Kansas State University, Academic Department Chairs Meeting. Orlando, FL.
- 1996 Represented University of Scranton at PACTE annual convention. October 1996, Grantville, PA.
- 1996 Represented the University of Scranton at the Pennsylvania Deans of Education forum, October 1996, Grantville, PA.
- 1996 Lead teacher for funded summer academy for middle school students, the 1996 University of Success
- 1995 Represented the University of Scranton at the Pennsylvania Deans of Education forum, October 1995, Grantville, PA.\
- 1994 Represented the University of Scranton at PACTE annual convention, October 1994, Grantville, PA.
- 1994 Represented the University of Scranton at the Pennsylvania Deans of Education forum, October 1994, Grantville, PA.
- 1993 Attended Annual Meeting for the National Association of State Directors of Teacher Education and Certification. October 25-27, 1993, Cincinnati, OH
- 1993 Attended State Team Leadership Conference, Mid-Atlantic Eisenhower Consortium for the Systemic Improvement of

Mathematics - Science Teaching. September 21-23, 1993,
Baltimore, MD
1993 Attended Annual Meeting of the Holmes Group, January 29-31,
1993, Washington, D.C.

Service (University of Scranton):

2007-2008 *University Council, Alternate Faculty Representative, At Large*
2006-2008 University Council, Alternate faculty Representative, CPS
2005 Board on rank and Tenure Alternate At-large (served)
2005 Primary co-author: PDE self study and program reports
2003-2008 Certification Officer, University of Scranton

University Service (cont.):

2004 and 2005 Board on rank and Tenure Alternate At-large (did not serve)
2003 Board on Rank and Tenure Alternate At-large (served)
2002 Board on rank and Tenure Alternate At-large (did not serve)
1999-2006 Student Publications Board
1999-2008 Graduate School Dean's Conference Member
1998-2001 Elected as college faculty rep. to the University Senate
1998-1999 Chair, NCATE Continuing Accreditation on-site visit
1998 Primary Author, NCATE continuing accreditation self-study
1998 Upward Bound Project Development Committee
1998 Gifted and Talented Summer Program Committee
1998 AERO - University Assessment Discussion Committee
1997-1998 Probation Retention Committee
1997 Rank and Tenure Board, 2nd Alternate (Served)
1996 CHEHR Associate Dean Search Committee
1995-1997 OED Mentor/Mentee Program
1995 Registrar Search Committee
1995 P.C. based Master Scheduling Process Software Development
Committee
1995 Rank and Tenure Board, Alternate
1995-2008 Community Cultural Diversity Group (now known as University of
Success Advisory Committee).
1994-1995 Graduate Dean's Conference
1994-1995 Natural Science G. E. Objectives Working Group
1994-1996 PDE Self Study Report Writing Team
1993-1995 NCATE Self Study Report Writing Team
1992-2007 CHEHR Space Planning committee
1991-1994 Teacher Education Committee, Chair
1991-1992 Graduate Dean's Conference
1991-2008 CHEHR (PCPS) Dean's Conference
1991-1992 Faculty Senate, Elected College Representative
1991-1993 Faculty Affairs Council Treasurer
1991 Howard Hughes Medical Institute Grant Task Force (grant writer)
1990-1994 Faculty Affairs Council, Elected Officer (re-elected, 1992)
1990-1994 Handbook Committee (As F.A.C. Representative)
1989-1992 Institutional Review Board
1989 I.B.M. Education Computing Grant Committee

1988–2004 Teacher Education Committee

Service (Reich College of Education):

2012 – current Tuition Surcharge Appeals Committee
 2012 – current Scholarship Advisory Committee
 2012 – current Athletics (financial aid) Appeal Committee
 2011 – current Associate Dean’s Council
 2011 – current Class Seats Committee
 2011 – current Administrative Council (also serving as Curriculum Committee)
 2011 – current University Academic Assessment Committee
 2012 – current University Advising Council
 2011 – current Undergraduate Coordinators’ Committee (Chair)
 2011 – current Graduate Coordinators Committee (Chair)

Service (Reich College of Education, Continued):

2011 – current RCOE Scholarship Committee (Chair)
 2011 – current RCOE Assessment Committee (Chair)
 2011 – current Teacher Education Council
 2011 – current NCATE Continuous Improvement Steering Committee
 2011 – current DegreeWorks Advisory Council

Departmental service (University of Scranton):

2006 *Pocono Mountain S.D. Partnership Development for Field III*
 2004-2008 Education Candidate Information System development committee
 1996; 2001 PA Dept Education Review Committee
 1995 Elementary Education faculty Search Committee, Chair
 1994-2003 Chair, Education Department
 1994-2003 PDE Review Committee
 1994-1996 Search Committee
 1993 PDS/Lab School Study Committee
 1990 Part-time Employee Search Committee
 1991-1994 Director, Secondary Education Program
 1991; 1996 NCATE Review Committee (four reports)
 1991-2003 Education Department Advisory Board
 1988-2008 Graduate Advising
 1988-2008 Undergraduate Advising
 1988-2003 Education Computer Facility Director

Professional service:

2008 – 2011 Representative to the North Carolina Independent Colleges and Universities Dean’s Conference.
 2008-2011 Nominated and Elected to serve a three year term (6/08 – 5/11) as National Science Teachers Association Board Director for Pre-Service Teacher Preparation Division
 2005 Act 72 Recommendation Committee: Appointment by Abington Heights School Board, PA. Recommendation: 11 March 2005
 2005 PSTA Annual Convention, Hershey, PA: Exhibit Hall Coordinator
 2003 Preservice strand leader and District IV representative to the NSTA National Convention planning committee, Philadelphia
 2002-2005 National Science Teachers Association Standing Committee:

	Science Safety Advisory Board
2000-2003	Elected and serving a three year term as National Science Teachers Association District IV Director (representing New Jersey, New York and Pennsylvania)
2000-2002	Served three-year term on the Board of the Pocono Environmental Education Center
1999-2008	Appointed by the Board of Directors, Phi Delta Kappa, Scranton Chapter as Faculty Moderator
1998	Elected by membership to Board of Directors, Phi Delta Kappa, Scranton Chapter as Foundation Representative.

Professional service (Cont.)

1997	Served as Program Chairperson (and overall Convention Chairperson in the regular Chair's absence) for the National Science Teachers Association Regional Convention held in Pittsburgh, PA
1996-2001	Served as Pennsylvania Science Teachers Association College Representative, and elected as a member of the Executive Committee.
1996-1998	Elected by the PSTA Board of Directors to three separate annual terms on the executive committee of the PSTA
1996-1999	Served as a member of the Pennsylvania Science Teachers Association Constitution, By-laws, and Policy Manual Committee.
1995	Elected the Board of Directors of the Pennsylvania Science Teachers Association for service as a College Representative (term ending 1998).
1995	Served as Program Chairperson for the National Science Teachers Association Annual Convention held in Philadelphia, PA.
1994-1997	Served as Chairperson of the Pennsylvania Science Teachers Association Horizons Committee which is charged with developing an intermediate and long term plan for the direction of PSTA.
1993-1997	Appointed and served as a member of the Pennsylvania State Team of the Mid-Atlantic Eisenhower Consortium for the Systemic Improvement of Mathematics-Science Teaching funded through Research for Better Schools.
1993-1996	Appointed by President-Elect and confirmed by the Board of Directors (September 1993) as "Program Coordinator" for the National Science Teachers Association National Convention in Philadelphia (March, 1995).
1993-1994	Served as NSTA, District II proposal reviewer for Toshiba Exploravision Awards, February 1993.
1993	Attended meeting of the Holmes Group for information regarding departmental development, Washington, DC, January 1993.
1992-2000	Appointed by the National Science Teachers Association for service on the NCATE/NSTA Folio Review Board.
1992	Book review for Merrill Publishing in general instr methods.
1992	Reviewer for Pennsylvania Department of Education Dwight D.

Eisenhower Grant Program, Harrisburg, PA, December 1992.

- 1992 Served PSTA as immediate Past President with responsibility to Chair the PSTA Awards Committee.
- 1991-1994 Served NSTA on its Task Force on Developing Standards for the Identification of Courses for Science Credit. K-16.
- 1991-1993 Served National Association of Geology Teachers Eastern Section as Councilor for Pennsylvania.
- 1991 Served as President of PSTA. Position has required testimony in front of local and state agencies as well as presiding over Board of Director's Meetings and Annual Membership Meeting

Professional service (Cont.):

- 1991-1997 Consultant. Pittsburgh Supercomputing Center Advisory Committee. Responsibility includes establishing and maintaining accounts with public and parochial school science teachers.
- 1991-1992 Member of the NSTA Regional Convention Planning Committee for the New York City Regional Convention, November 1992.
- 1990-1995 Consultant. Chem Nuclear Systems, Inc., Low Level Radioactive Waste Disposal Facility Phase I (Screening) Siting Plan. Review and comment at meetings on proposed siting plan for Pennsylvania's required low level radioactive waste disposal site.
- 1990-1991 Served as PSTA's rep to the NSTA Chapter and Affiliated Groups (CAGS) functions. Have attended meetings in Clearwater, FL (7-90), Houston, TX (3-91), and Washington, DC (7-91)
- 1990-1991 Served as PSTA's rep to the NSTA Chapter and Affiliated Groups (CAGS) functions. Have attended meetings in Clearwater, FL (7-90), Houston, TX (3-91), and Washington, DC (7-91)
- 1990 Served as Convention Chairperson of the 1990 PSTA Convention more than 1200 people attended over 100 presentations, eight field trips, three major meal functions and two social functions over a three day period.
- 1990 Served as President-Elect of the Pennsylvania Science Teachers Association
- 1989-1990 Book Reviewer for Harper & Row Publishers, Inc. and Merrill Macmillan in the area of General Methods and both science and mathematics methods
- 1988-2008 Zero Population Growth Speakers Network, Population Education Trainers Network.
- 1988-1997 Appointed as PSTA delegate to the Board of the Keystone Energy Education Network
- 1988-1996 Appointed by the National S-T-S Network as contact person for Northeastern Pennsylvania
- 1987-1989 Board of Directors, Pennsylvania Science Teachers Association

Community Service:

1988-2008 Clarks Summit Fire Company Number 1, Inc.: Positions:

Full Vita

Status: "Active" Interior Firefighter (1988 - present)
F.A.S.T-firefighter assistance/search (rescue) team (1997-present)
Hazardous Materials Operations Level Certified (2003-present)
Fire Relief Association Trustee (1991-1993)
Emergency Engineer for all equipment (1993-1994)
Fire Line Officer (Lieutenant, 1994)
Regular Engineer for all equipment (1994-present)
Emergency Vehicle Operator Instructor (1995-present)
Second Assistant Master Mechanic (1997)
First Assistant Master Mechanic (1998-99)
Fire Company Trustee (1993-2004)
President (2004-2008)

Community Service (cont.):

Committees:

New Truck Committee (1991-2005)
Design team through delivery
1992 Ambulance (\$93,000)
1992 1500 GPM Engine (\$278,000)
1995 Aerial Refurb Project (\$137,000)
Computer Committee Member (1989-90, and 1998), Chair (1991)
Design of computer based record-keeping and training programs
2008–current: Continuing “inactive” membership
Long-term Computer Planning Committee (1992)
Clarks Summit Enhanced 911 planning team (1993)
Training on software and hardware for the implementation of
County's enhanced 911
Fire Prevention/Education Committee Member (1989-90)
New Equipment Committee (1992 - 2004)
Specifications/bids for all firefighter personal safety equipment
Building Committee (1999-2006)
Design through contract for new station
Fire Training Officer (1994-96)
Designed and implemented junior member and probationary
member training curriculum
Finance Committee (1998-2000)
Constitution, By-laws Committee, Chair (1998)
Trustee (1997-2004)
Fire schools attended:
Firefighter I and II
Hazardous Materials Recognition
Self-Contained Breathing Apparatus
Fire Pump Engineering (basic and advanced)
Emergency Vehicle Operators Course
Emergency Vehicle Operators Course (instructor)
Motor Vehicle (Accident) Extrication
Wildfire fighting (PA 130)
Response to terrorist incidents

Grant Writing Team Leader (Net thus far: 4 grants for \$345,000)
 Capital Campaign Committee (2004-5): (Approx 1st yr \$497,000)
 Direct Mail Committee (2004-2008): (Approx to date \$394,000)
 1989-2008 Lackawanna County Emergency Management Agency
 Radiological Monitor
 Radiological Response Team Member
 Radiological Monitor Instructor
 1993-1995 Clarks-Summit South Abington Joint Sewer Authority
 Appointed Member
 1998-2008 Pennsylvania Department of Conservation and Natural Resources
 Conservation volunteer program:
 Forest fire prevention/protection
 Certified Wildfire fighter

Honors, Awards and Recognition:

2008 Inducted into the Order Pro Deo et Universitate, the University of Scranton
 2008 Elected for the NSTA Board by national vote as Director of the Pre-Service and New Teacher Preparation Division
 2007 Selected by NSTA nominations committee as candidate for Board of Director position
 2005 Nominated to be considered for University of Scranton's candidate, Case Professor of the Year national competition
 2000 Nominated (by committee) and subsequently elected by NSTA membership as the District IV Director (served 2000-03).
 1998 Decennial Award from the University of Scranton.
 1996 Selected by NSTA nominations committee as candidate for District IV Director.
 1994 Selected as the Phi Delta Kappa, University of Scranton Chapter's Educator of the Year.
 1993 Recipient of the "Fellows Award" Pennsylvania Science Teachers Associations highest honor "in recognition of sustained leadership and service to science education." November 1993.
 1992 Selected by NSTA nominations committee as candidate for District II Director.
 1991 NSTA Citation for "significant contributions....as President of NSTA chapter."
 1991 Invited Participant in Visiting Scholars Program Luzerne County Community College
 1990 Listed in Men of Achievement International Biographical Centre Cambridge England.
 1990 Certificate for recognition from P.S.T.A. for "Leadership and Service to Science Education"
 1989-1990 Listed in Who's Who in American Education National Reference Institute Washington DC.
 1985 N.S.F. Honors Program University of Iowa "Honors Workshop in Science-Technology-Society."
 1985 Certificate of recognition by P.S.T.A. for "Meritorious Service"

- 1984 N.S.F. Honors Program University of Iowa "Honors Workshop for Teachers of the Gifted."
- 1983 NAGT Eastern Section's Outstanding Earth Science Teacher for Pennsylvania