

Ronald D. Anderson, PhD

Curriculum Vitae

Academic Background

University of Wisconsin Madison, WI, 1964, PhD
University of Wisconsin Madison, WI, 1959, BS

Professorial Experience

1971-present University of Colorado at Boulder, CO-professor
1968-71 University of Colorado at Boulder, CO-associate professor
1965-68 University of Colorado at Boulder, CO-assistant professor
1964-65 Kansas State University at Manhattan, KS-assistant professor

Professional Affiliations and Roles

American Association for the Advancement of Science - fellow

Member, Electorate Nominating Committee of Section Q, 1976-78

Member, Electorate Nominating Committee of Section Q, 1986-88

Member-at-Large of Section Committee for Section Q, 1992-96

Chair, Education Section, 1998-99

Member, Association Council, 2002-05

American Educational Research Association - member

Association for Supervision and Curriculum Development - member

Association for the Education of Teachers in Science - member

Member, Executive Board, 1966-67

Secretary-Treasurer, 1970-71

President, 1972-73

Member, ad hoc Committee on Association Finances, 1976-77

Member, Financial Advisory Committee, 1981-83

Member, Awards Committee, 1985-87

Member, JSTE Editorial Review Board, 1998-

Colorado Association of School Executives - member (1972-78)

Member, School Problems Workshop Committee, 1971-74

Member, DGA Professional Growth Committee, 1976-78

Colorado Association of Science Teachers - member

Editor, CSTA Newsletter, 1966-68

National Association for Research in Science Teaching - member

Member, Nominating Committee, 1968

Member, Executive Board, 1971-74

Chairman, National Convention Program Committee, 1974-75

President, 1975-76

Chairman, Policy Committee, 1976-77

Chairman, Election Committee, 1976-77

Member, Search Committee for Executive Secretary, 1979-80

Chairman, Search Committee for editor of Journal of Research in Science Teaching, 1988

Member, Elections Committee, 1991-92

Member, Search Committee for editor of Journal of Research in Science Teaching, 1997

National Science Teachers Association - member

Member, Program Planning Committee for Area Convention, 1980

Member, Task Force for Establishing Clearinghouse for Research and Evaluation Instruments, 1982-83

Member, Clearinghouse for Research and Evaluation Instruments, 1981-83
Member, Committee for Selecting Exemplary Science Programs in the U.S., 1982-83

Awards

Fulbright Senior Research Award to conduct research in Germany in 1986-87

Outstanding Paper Award, 1980 Annual Convention of the National Association for Research in Science Teaching

Selected Publications - Books and Monographs

Anderson, R. D. *Religion and Spirituality in the Public School Curriculum*. New York: Peter Lang Publishing Inc. (2004)

Anderson, R.D. *Study of Curriculum Reform*. Washington, DC. U.S. Government Printing Office. 106 pp. (1996).

Hameyer, U., J. van den Akker, R. D. Anderson, and M. Ekholm. *Portraits of Productive Schools*, Albany, NY: SUNY Press. (1995).

Anderson, R.D. and H. Pratt. *Local Leadership for Science Education Reform*. Dubuque, IA: National Science Supervisors Association/Kendall-Hunt. (1995).

Ronald D. Anderson, et. al., *Developing Children's Thinking Through Science*, Englewood Cliffs, NJ: Prentice-Hall, Inc. (1970).

Selected Publications - Articles

Anderson, R. D. "Reforming Science Teaching: What Research Says About Inquiry." *Journal of Science Teacher Education*, 13(1): 1-12, 2002

Anderson, R.D. and J.V. Helms. "The Ideal of Standards and the Reality of Schools: Needed Research." *Journal of Research in Science Teaching*. 38(1):3-16, 2001

Anderson, R.D. "Inquiry in the Everyday World of Schools," *ENC Focus*, 6(2):16-17, 1999.

Anderson, R.D. "The Research on Teaching as Inquiry." *Journal of Science Teacher Education*, January 2002.

Anderson, Ronald D. "The Science Methods Course in the Context of the Total Teacher Education Experience," *Journal of Science Teacher Education*, 8(4): 269-282, 1997.

Anderson, Ronald D. "Curriculum Reform: Dilemmas and Promise." *Phi Delta Kappan*, Vol. 77, No. 1, pp. 33-36, September 1995.

Hameyer, Uwe, Jan van den Akker, Ronald D. Anderson, and Mats Ekholm. *Portraits of Productive Schools: An International Study of Institutionalizing Activity-based Practices in Elementary Science*. Albany, NY: SUNY Press. 1995.

Ronald D. Anderson, "Policy decisions on improving science education: A cost-effectiveness analysis," *Journal of Research in Science Teaching*, Vol. 27, No. 6, pp. 553-574, 1990.

Carole P. Mitchener and Ronald D. Anderson, "Teachers' Perspective: Developing and Implementing an STS Curriculum," *Journal of Research in Science Teaching*, Vol. 26, No. 4, pp. 351-369, 1989.

Ronald D. Anderson, et. al. "Science Education: A Meta-Analysis of Major Questions," *Journal of Research in Science Teaching*, Vol. 20, No.5, pp. 379-385, May 1983.

Selected Publications - Book chapters

Anderson, R.D. and C. Mitchener, "Research on Science Teacher Education," in D. Gabel (ed.), *Handbook of Research on Science Teaching*, New York: Macmillan, (1994).

Anderson, R.D. "Selecting Interventions for Improving Science Education," in R. Bybee, J. Carlson and A.J. McCormack (eds.), *Redesigning Science and Technology Education*, Washington, D.C.: National Science Teachers Association, 1984, pages 149-156.

Anderson, R.D., "Physical Science Education," in Harms, N.C. et. al., (eds) *What Research Says to the Science Teacher*, Vol.3, pp. 33-52, Washington, D.C.: National Science Teachers Association, 1981.

Anderson, R.D., J.A. Struthers, and H. H. James, "The Teaching Strategies Observation Differential," in Gene Stanford and Albert Roark, *Human Interaction in Education*, Boston: Allyn and Bacon, Inc., pp. 274-280, 1974.

Anderson, R.D., "Developing Competency for Evaluation in the Classroom," in J. Weigand (ed.), *Developing Teacher Competencies*, Englewood Cliffs, NJ: Prentice-Hall, Inc., 1971.

Selected Guest Lectures at Academic Institutions

Taiwan National Normal University, Taipai, Taiwan, May 7, 1999
Twente University, the Netherlands, October 15, 1996
Free University of Amsterdam, the Netherlands, October 16, 1996
Miami University, Oxford, OH, October 6, 1994
New York Academy of Sciences, New York City, May 4, 1990
Hebrew University, Jerusalem, Israel, December 10, 1986
Weizmann Institute of Science, Rehovot, Israel, December 8, 1986
The University of Utrecht, the Netherlands, November 26, 1986
SLO, Enschede, the Netherlands, November 24, 1986
CENEMEC, Caracas, Venezuela, February 12, 1986
Southern Illinois University, Edwardsville, IL, August, 1985
Kansas State University, Manhattan, KS, June 28, 1985

Selected Evaluation Work

Evaluator, Chemistry for the Information Age (NSF-funded), U. of No. CO, 1995-99
Evaluator, Project Learn (NSF-funded), Nat. Ctr. for Atmospheric Research, 1991-4
Evaluator, (U.S.D. of Ed.-funded project), Colorado Alliance for Science, 1991-3
Evaluation consultant for the Public Service Company of Colorado, 1988-1991
Evaluator, American Indian Science and Engineering Society projects, 1987-88
Evaluation consultant, Wyoming Department of Education, 1984
Evaluator, Science World, Wisconsin Department of Public Instruction, 1983
Conducted an evaluation of the English Language Proficiency Act Program for the Colorado Department of Education and Colorado Legislature, 1982 and 1983