CAMILLE L. WAINWRIGHT

EDUCATIONAL HISTORY

1984 – PhD - Science Education: University of Minnesota
1977 – M.S. Biology, with highest honors; Chemistry minor: Purdue University, Indiana
1967 – B.A. Chemistry, cum laude; Biology minor: Concordia College, Minnesota

EMPLOYMENT HISTORY

1992 - Present: Pacific University, Forest Grove, Oregon
Professor – Science Education and Adjunct Professor of Physics
PI: NSF Oregon Collaborative for Excellence in Preparation of Teachers (OCEPT II)
Director of NCATE Accreditation, College of Education
1984 - 1992: Chemistry and Physics Teacher, Dean of Students; Mounds Park Acad., St. Paul, MN
1981 - 1984: Teaching Associate., Dept. of Curriculum and Instruction, University of Minnesota
1977 - 1980: Chemistry Teacher, Crown Point High School; Crown Point, Indiana
1974 - 1975: Graduate Assistant/Guest Lecturer; Biology Department, Purdue University
1968 - 1971: Science Teacher (K - 12), U.S. Naval Station Sangley Point, Philippine Islands

PUBLICATIONS (Selected)

Engineering the Future: Science, Technology and the Design Process (2007). Evaluator and Contributing Author. Key Curriculum Press.
Electricity Visualized: The CASTLE Project, PASCO Scientific; Editor and co-author (2007)
Electricity and Magnetism, Student and Teachers Editions: textbook in *Science Explorer* series, published by Prentice Hall, 2007 – author. (Also 2001 and 2004 editions)
Wainwright, C., Flick, L. & Morrell, P. "The Development of Instruments for Assessment of Instructional Practices in Standards-Based Teaching". The Journal of Mathematics and Science: Collaborative Explorations, Fall, 2003.
Wainwright, C.,, Morrell, P. & Flick, L. "Measurement of Reform Teaching in Undergraduate Level Mathematics and Science Courses"; School Science and Mathematics.
Morrell, P., Wainwright, C. & Flick, L. "Reform Teaching Strategies Used by Student Teachers"; School Science & Mathematics (9/04)
Wainwright, C. & Frykholm, J. "Assessing mathematics achievement in Oregon schools; A case study" in The Oregon Mathematics Teacher, November/December, 2002.
Co-author of the following texts, published by Prentice Hall, Needham Heights, MA (2003)
Discoveries in Life, Earth and Physical Science
Investigations in Life, Earth and Physical Science
Adventures in Life, Earth and Physical Science
"Gender Indifference", The Physics Teacher, 3/99.
"Is a Density Gradient Necessary for a Flame to Bend in a Rotating System?", The Physics Teacher, 10/98.
"Using Models to Teach Electricity -- The CASTLE Project", The Physics Teacher, Sept., 1993.

PRESENTATIONS (Selected)

3/24-25/06 – Physics Teacher Education Coalition: "The CASTLE Curriculum: Capacitor-Aided System for Teaching and Learning Electricity". University of Arkansas – **Invited Speaker.**
4/8/06 – American Education Research Association: "A Longitudinal Examination of Reform-Based Science Teaching in Preservice to Beginning Teachers" with Patricia Morrell, Adele Schepige, and Lawrence Flick.
4/10/06 – American Education Research Association: "Analysis of University Teaching in Science and Mathematics Undergraduate Courses" with Flick, Sadri, Morrell, & Schepige.

GRANTS, AWARDS AND HONORS (Selected)

2005 – Honored by Pacific University as the Professional Educator of the Year
2004 -- Selected as Oregon Science Educator of the Year, by the Oregon Science Teachers Assoc.
2002 – Awarded OCEPT II Follow-on Grant from NSF ($600,000, 3 years) as PI