

Curriculum Vitae of Robert Allan Mead

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Date of Birth: December 8, 1947

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Education

Graduate:

- May, 2000: M. Ed. in Mathematics Education, Plymouth State College, NH
- 1998-9: Graduate Assistant (Fellow) for Mathematics Department, Plymouth State College

Undergraduate:

- 1973-1975: Plymouth State College: B.S., Mathematics Education, summa cum laude
- 1965-67: Drexel University (Philadelphia, PA): 18 mathematics credits, (internship with Missile and Space Data Processing Division, General Electric)

Teaching Experience

- 2008-2011: for ILEAD (Institute for Lifelong Education at Dartmouth, now called OSHER); group study leader "Escher, Islamic Design and You," and "The Night Sky and You"

- 2004-2010: volunteer mentor for The Math Forum @ Drexel
- Winter /Spring 2007: St. Paul's School, Concord, NH, long-term substitute calculus and precalculus teacher
- Fall 2005: long-term substitute, math in grades 7-12 Thetford Academy, VT
- 1997-2005: Plymouth State (now) University – adjunct lecturer for Mathematics Department
- Jan.- Dec. 2000: Mathematics coordinator and e-structor, Smarthinking.com (online tutoring service)
- 1999 and 1995: Designed and delivered “A Starburst of Mathematics” 15-hour teacher inservice for K-12 Orange East, Vermont, teachers and others
- 1983-1997: Oxbow High School, Bradford, VT, mathematics teacher
- 1975-80: Orford Middle School, Orford, NH, mathematics and reading teacher

Technology

- 2011- 2013: Digital librarian, cataloguing math education web resources for math educators, coaches and supervisors
- 2008 - 2009: Using online Lesson Builder (SoftChalk) interactive software for curriculum development Duke TIP (talent identification)

- 1997-2008 Taught college classes with TI-83 graphing calculators
- Working knowledge of spreadsheet, database, graphing, Dreamweaver (web design), programming in BASIC, dynamic geometry software, and Mathematica
- Developed web-based Calculus course for adults, 2002
- Worked as an online tutor (real time, whiteboard) for college-level math, 2000
- Developed software to use in teaching Calculus, Pre-calculus, algebra, geometry and number theory. Many with student collaborators

Activities

- June 2011 to 2013: Cataloguer for mathlanding.org, a math education database of resources for math educators, coaches and supervisors, Maryland PTV, grant funded
- Fall 2008 through 2009: Curriculum developer for Duke University's Talent Identification Program (TIP): authored 10-week unit, *Cryptology and Mathematics: Secret Codes and Number Secrets* for gifted middle grade students
- 2001-2008 Presenter at state and regional conferences for Plymouth, NHTM, ATMNE.
- April, 2004 to present: "Uncle Bob's Puzzle Monthly": <http://www.unclebobpuzzles.com/>
- 1998-2012: Board of Directors, North Country YMCA

- 1995: Vermont state finalist for Presidential Excellence Award (PAESMT)
- 1989-present: Volunteer for Haverhill Recreation Association (Board member, 1989-2001)
- 1986-present: Member, NCTM
- 1976-present: Member, North Country Chorus

Writing (general interest, Mathematics, puzzles, astronomy)

Published

2004-present: *Uncle Bob's Puzzle Monthly* e-zine self-published with math, word, and logic puzzles, astronomy articles.

2010: *Cryptography and Mathematics: Secret Codes and Number Secrets*, a ten-week interactive unit and pilot lesson for gifted students produced by Duke University Talent Identification Program (DukeTIP)

2005: Online interactive article "Shear Mathematics: Euclid's Paradoxicals Applied" for NCTM's OnMath

1998- 2005: "Uncle Bob's Puzzle Corner" math and astronomy articles and puzzles for local monthly, *Behind the Times*, Bradford, VT

2002-2003: Three articles published in Journal of Recreational Mathematics (JRM, Baywood Publications)

Unpublished articles:

2000: "Four Areal Views" (graduate project) <http://www.unclebobpuzzles.com/Permasite/UB&AC/historymenu.htm>

1997: "Champions of Mathematics Education Reform" (graduate project) <http://www.unclebobpuzzles.com/Permasite/UB&AC/champsmathed.html>

Professional References (contact info upon request)

Betsy Peisach, Vice President, Education, Maryland Public TV
Education Department

Lyn Hawks, Coordinator of Independent Learning, Duke
(University) TIP
