

Charles A. (Andy) Reeves
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Educational Summary

Degrees: Ph.D. Florida State University, 1972, Mathematics Education
M.S. Florida State University, 1969, Mathematics Education
B.S. Auburn University, 1965, Mathematics

Dissertation: *The Comparative Effects of Two Methods of Introducing Mathematical Induction and Two Methods of Presenting Succeeding Problems*

Employment History

Education: 2002-present: Lecturer in Mathematics Education at the University of South Florida—St. Petersburg. Teaching mathematics for elementary education majors and planning to expand the program to include middle school mathematics education.

1993-2001: Director of Editorial Services, National Council of Teachers of Mathematics. Oversaw all phases of production of *Teaching Children Mathematics*, *Mathematics Teaching in the Middle School*, and the *Mathematics Teacher*.

1979-1993: Mathematics Supervisor, Florida Department of Education. Primary responsibilities included K-12 inservice activities and serving as an advisor to local schools, districts, and state and national agencies.

1978-1979: Visiting Professor of Elementary Mathematics and Science, University of Wyoming Science and Mathematics Teaching Center. Courses taught: Elementary Mathematics Methods, Elementary Science Methods, and College Algebra.

1972-1978: Sixth Grade Mathematics and Science Teacher, Developmental Research School, Tallahassee, FL. Taught mathematics and science in a team environment, and students from all grade levels, K-12, during the summer programs. Served as a lead teacher for FSU interns.

1971-1972: First-grade Teacher Aide, Developmental Research School, Tallahassee, FL.

1968-1972: Instructor in Mathematics Education, Florida State University. Taught mathematics content and methods courses for elementary majors. During the summers, worked with advanced high school students in NSF-funded institutes, and taught middle grades mathematics at Maclay School.

Industry: Summer, 1977: Consulting Statistician, Division of Aquatic Plants, Florida Department of Natural Resources.

1966-1968: Mass Properties Engineer for Douglas Aircraft Company, Culver City, California.

Major Publications

Books

- Reeves, Charles A., Editor, *Cartoon Corner: Humor-Based Mathematics Activities*, (National Council of Teachers of Mathematics, 2007)
- Reeves, Charles A., et al, *Prentice Hall Mathematics, Courses 1-3* (Prentice Hall, 2003, 2006)
- Reeves, Charles A., et al, *Foundations* (book one of Addison-Wesley's secondary mathematics series, 1995)
- Reeves, Charles A., et al, *Addison-Wesley Mathematics* (K-8 Student Edition, 1991)
- Reeves, Charles A. and Clark, T. *Mathematics for Teachers--Problem Solving and Other Basic Skills* (Scott, Foresman and Company, 1982)

Refereed Articles/Monographs

- Reeves, Charles A., Diagnosing Understanding of Fundamental Mathematics. (Dimensions in Mathematics, Spring, 2007).
- Reeves, Charles A. and Rosemarie Gleichowski, Engaging Contexts for the Game of Nim (Mathematics Teaching in the Middle School, Dec. 06-Jan 07)
- Reeves, Charles A., *Putting FUN into Functions* (Teaching Children Mathematics, December, 2005)
- Reeves, Charles A. and Darcy Webb. *Balloons on the Rise: A Problem-Solving Introduction to Integers*, (Mathematics Teaching in the Middle School, May 2004)
- Reeves, Charles A., *Drawing a Diagram—Where Do Students go Wrong?* (Dimensions in Mathematics, Spring 2003)
- Reeves, Charles A. and Jennifer Taylor-Cox, *Using Rewards in Mathematics Education: Two Points of View* (Teaching Children Mathematics, March 2003).
- Reeves, Charles A. and Rosemarie Reeves, *Encouraging Students to Think about How They Think!* (Mathematics Teaching in the Middle School, March, 2003).
- Reeves, Charles A., *The Chicken Problem* (Mathematics Teaching in the Middle School, February, 2000).
- Reeves, Charles A., *You Hit the Jackpot!* (Mathematics Teaching in the Middle School, March-April, 1996).
- Reeves, Charles A., *Problem-solving Techniques Helpful in Mathematics and Science* (The National Council of Teachers of Mathematics, 1987)
- Reeves, Charles A., *The Flip Side of Problem Solving* (Mathematics for the Middle Grades, The National Council of Teachers of Mathematics Yearbook, 1982)
- Reeves, Charles A. and Brewer, K. *Hypothesis Testing and Proof by Contradiction: An Analogy* (Teaching Statistics, May, 1980)
- Reeves, Charles A., *Energetic Mathematics* (Science Teacher, January, 1979)

Reeves, Charles A., *Volleyball and Probability* (Mathematics Teacher, October, 1978)

Reeves, Charles A., *Network Theory--An Enrichment Topic* (Mathematics Teacher, February, 1974)

DOE-produced Materials/Reports for Professional Associations

Reeves, Charles A., *Sunshine Math* (A revision of SUPERSTARS II, Florida Department of Education, 1995)

Reeves, Charles A., *The Coordinated Implementation of National and State-by-State Reform in School Mathematics: Reports I and II* (The Association of State Supervisors of Mathematics, 1990 and 1991)

Reeves, Charles A., *The ASSM Carnegie Project: An Executive Summary* (The Association of State Supervisors of Mathematics, 1991)

Reeves, Charles A., *SUPERSTARS II--Primary and Intermediate* (a revision of SUPERSTARS, Florida Department of Education, 1986)

Reeves, Charles A., *SUPERSTARS--A Curriculum Enrichment Project for Intermediate Level Students* (Florida Department of Education, 1982)

Reeves, Charles A., *A Resource Book for Teaching 5th Grade Minimal Skills in Mathematics* (Florida Department of Education, 1982)

Service

Review Team for NCTM's development of math activities for the NUMB3RS television series (2006)

Consultant to the Florida Department of Education *Sunshine State Standards* revision, 2006-2007. I have written the problem solving and algebraic thinking strands for grades K-8.

Consultant to the Florida Department of Education Teacher Certification Item Writing Team, 2006.

Co-editor, Cartoon Corner, *Mathematics Teaching in the Middle School*, (2005-present)

Consultant for the *Benchmark Item Validation Study* (2004)

Referee for articles submitted to the *Mathematics Teacher* (1974-1993) *Mathematics Teaching in the Middle School* (2001-present), the *Arithmetic Teacher* (1977-1993) and *Teaching Children Mathematics* (2001-present). Mentored a new writer, Kelli Thomas from University of Kansas, for *Teaching Children Mathematics* in 2004.

NCTM Mathematics Education Trust Editorial Panel Member, 75th year anniversary book entitled *Seventy Five Years of Progress: Prospects for School Mathematics* (1995)

Editor of the *New Projects* section of *The Mathematics Teacher* (1989-1992)

Florida Team Leader for the *Leading Mathematics Education into the 21st Century* leadership enhancement project (1990-1992)

Reviewer of the Agency for Instructional Technology series *It Figures* (1981), *Math Works* (1984), and *Solve It* (1987)

Consultant for Addison-Wesley in the development of pre-algebra and general mathematics textbooks
(1984-1986)

Major Presentations:

Using Humor in Middle Grades Math Classrooms (With Mary Lou Beasley, FCTM Annual Meeting, 2006)

Looking Forward to Working Backward: From Survivor: Thailand to Algebraic Thinking (NCTM Annual Meeting, 2006)

Working Backwards—Important for Success in Algebraic Thinking (NCTM National Meeting, 2005, NCTM Regional Meeting, 2004 and FCTM Annual Meeting, 2004.)

Teach Them to Think, and Think About How They Think! (NCTM National Meeting, 2004)

Who Gets Voted Off? (FCTM Annual Meeting, October, 2003)

Fifth Graders and Negative Numbers—A Problem-Solving Introduction to Integers, (NCTM Regional Meeting, 2003)

Crazy Larry and Valentine's Day—Fifth Graders Explore Integer Arithmetic (FCTM Annual Meeting, 2002)

Algebraic Thinking with Superstars and Writing for NCTM's School Journals (FCTM Annual Meeting, 2000)

SUPERSTARS II (Bermuda DOE, 1989; NCSM Annual Meeting, 1987; DCTM Annual Meeting, 1987; DOE-sponsored presentations in Alabama, North Carolina, South Carolina, Mississippi, 1987; San Antonio Independent School District, 1987; S.E.I.L. Regional Mathematics Leadership Conference, 1987, Florida School Volunteers Association Annual Meeting, 1983).

STAR WARS (NCTM Annual Meeting, 1980; FCTM Annual Meeting, 1981)

The Flip Side of Problem Solving (FCTM Annual Meeting, 1980; National Middle School Conference, 1981; The Association for Gifted National Conference, 1981)

Some Interesting Middle School Problems Appropriate for a Calculator (NCTM Annual Meeting, 1976)

Grants and Projects

Co-Developer (with Donald Chambers) and Project Director of ASSM's Carnegie-funded project (\$100,000) *Coordinated implementation of National and State-by-state Reform in School Mathematics* (1989-1990). Project Director role included organizing and focusing state supervisors from all states and territories, and our Canadian counterparts, to identify areas of impact within the school reform movement and to write both ASSM and individual action items. My role included monitoring and sharing these activities for 2 years, and producing two reports and a concluding executive summary.

Professional Affiliations

The Florida Association of Mathematics Teacher Educators (2004-present)

The Association of Mathematics Teacher Educators (2004-present)

The Florida Council of Teachers of Mathematics (Executive Board, 1980 to 1993; lifetime member)

The Association of State Supervisors of Mathematics (2nd Vice President, 1988-1990; Executive Board, 1988-1993; Emeritus member, 1993-present)

The National Council of Teachers of Mathematics (1969-present)

Awards

Mathematics Educator of the Year, Florida Council of Teachers of Mathematics, 1993.

Special Service Awards, Leon County Council of Teachers of Mathematics, 1993, and The Association of State Supervisors of Mathematics, 1990.

Robert E. Lee High School Hall of Fame inductee, 1996.