

VITA

DONALD W. COLLINS

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A. EDUCATION

Ed.D. 1992 University of Houston, Curriculum and
Instruction, Specialization - Mathematics
Education
C.A.S.1975 Northern Illinois University, Curriculum and
Supervision
MA 1965 Boston College, Mathematics
BS 1958 West Texas A & M University, Mathematics

B. PROFESSIONAL CERTIFICATION

Texas Lifetime Teaching Certificates K-6 and 7-12
Illinois Supervisors Certificate K-12

C. WORK EXPERIENCE

2009-2014 Lecturer, College of Science, Lecturer,
College of Education, The University of Texas
at El Paso Courses taught Mathematics and
Mathematics Education
2007-2008 Visiting Associate Professor **of** Mathematics
The University of Texas at El Paso, El Paso
Texas. Courses taught: Mathematics and
Mathematics Education
1994-2007 Assistant/Associate Professor, College of
Education, Western Kentucky University,
Bowling Green, Kentucky. Tenure 1999, Courses
taught: Elementary Mathematics Methods,
Teaching Mathematics at the Secondary Level,
Graduate Mathematics Education, Undergraduate
Mathematics. Supervision of Student Teachers,
Consultant for Alternative Certification.

Other responsibilities: Classroom
observations; Pi Mu Epsilon; Advisor,
Mathematics Education, undergraduate and

graduate; Tenure and Promotion Committee;
Kentucky PRISM - Secondary Mathematics
Consortium. Moving to a New Level Task Force

- 1993-1994 Clinical Assistant Professor, College of Education, Texas Tech University, Lubbock, TX. Courses taught: Mathematics and Science Methods, Mathematics Curriculum, Graduate Mathematics Education.
- Other responsibilities: Supervision of all secondary mathematics student teachers; Faculty sponsor, Texas Tech Chapter Texas Student Teacher Association; Faculty Research; Curriculum and Dissertation Committees.
- 1988-1993 Lecturer, Division of Mathematics and Information Sciences, Sam Houston State University, Huntsville, TX. Courses taught: Mathematics Education, Mathematics for Elementary Education Majors, College Algebra, Business Calculus, Geometry and Measurement. Other responsibilities: Co-sponsor Sam Houston State Chapter of Texas Student Education Association, Co-chair Conference for Secondary Mathematics Teaching, 5 years; Member of University Publications Board.
- 1976-1988 Managing Editor for Mathematics, Merrill Publishing Company, (now Glencoe Publishing) Westerville, OH. Established Merrill Secondary Mathematics line. Recruited and managed editorial staff of 25. Managed a multi-million dollar budget.
- 1974-1976 Mathematics Teacher, Elmhurst Public Schools, Elmhurst, IL, Grades 7 and 8. Other responsibilities: Textbook Selection Committee, Director of mathematics curriculum writing team.
- 1965-1974 Mathematics Editor, Laidlaw Brothers Publishing Co., River Forest, IL. Edited two elementary mathematics series: General Math, PreAlgebra, Spectrum Mathematics Series.
- 1959-1964 Mathematics Teacher, Grade 7 - 9, Abilene Public Schools, Abilene, TX. Other responsibilities: Inservice Chairman, Textbook Selection Committee

D. OTHER PROFESSIONAL ASSIGNMENTS

1996-Present Consultant and reviewer, Prentice Hall Publishing Company, Competitive Analysis of Competition, Correlation of texts to state guidelines

1995-Present Casio Inc. Authorized Educational Consultant and consultant to the publishing industry

1993-Present Key Professor-Sharp Electronics Corporation. Advisor for new products

1992-2001 Program Analyst, Kendall/Hunt Publishers. Content and marketing analysis of prospective mathematics publications.

1988-Present Consulting Editor/Author, Reviewer, Consultant, Glencoe Publishing Co. Various mathematics publications.

1982-1987 Lecturer, The Ohio State University, Columbus, OH, College level mathematics.

E. PROFESSIONAL/ACADEMIC ASSOCIATION MEMBERSHIPS

National Council of Teachers of Mathematics
National Council of Supervisors of Mathematics
Association of Supervision and Curriculum Development
Kentucky Council of Teachers of Mathematics
School Science and Mathematics Association
Western Kentucky Council of Teachers of Mathematics
American Association of University Professors
Kentucky Association of Teacher Educators
Phi Delta Kappa
Association of Mathematics Teacher Educators
Charter Member National Association for Alternative Educator Certification
Text and Academic Authors Association-Elected council member 3 year term 2003-2006. Re elected 2006 President/Elect 2008, Greater El Paso Council of Teachers of Mathematics

F. PUBLICATIONS

Author; "Pre-Algebra-a preparation for the future", Kendall/Hunt Publishing Company copyright 2003

Co-author: Merrill Integrated Mathematics Series (3 books) Copyrights 1991-95
Integrated Mathematics Series Glencoe Publishing Company (3 books) copyrights 1996-97

The following programs were planned and published under my

direction as Managing Editor of Mathematics at Merrill Publishing;

Merrill Algebra One and Two (3 Editions)
Merrill Geometry (3 Editions)
Merrill Pre-Algebra (3 Editions)
Mathematics: A Topical Approach, Courses 1,2, and 3
(2 Editions)
Advanced Mathematics Concepts (2 Editions)
Merrill Pre-Calculus (2 Editions)
Mathematics for the Real World (2 Editions)
Mathematics for Everyday Life (2 Editions)
Mathematics for Today's Consumer (2 Edition
Mathematics: Essentials and Applications,
Grades 7 and 8 (2 Editions)
Merrill Mathematics, Grades K-8 (2 Editions)
Programming in BASIC
Geometry: A Blended Approach
Merrill Applications of Mathematics
Merrill Informal Geometry
Merrill Algebra Essentials
Building Skills in Mathematics Series (8 book series)

Consulting Author--Glencoe Pre Algebra, copyrights 1999,
2001,2003,2005 and 2007

G. PRESENTATIONS

National Presentations:

Collins, D. W., Using the Graphing Calculator to Teach High School Statistics. 74th Annual meeting National Council of Teachers of Mathematics. Boston, MA., April 1996.

Collins, D. W., Simulations Can Stimulate Student Interest. 75th Annual Meeting National Council of Teachers of Mathematics. Minneapolis, MN., April 6, 1997.

Collins, D. W., Technology in the Classroom. International Conference for Technology in Collegiate Mathematics, Reno, NV., November, 1997.

Collins, D. W., et. al, The Alternative Certification Experience. National Association for Alternative Certification Annual Meeting. May 23, 1998.

Collins, D. W., "Relating Experimental and Theoretical Probability Using the Graphing Calculator.", International Conference for Technology in Collegiate Mathematics, San Francisco, CA. Nov. 1999 .

Collins, D. W., Demonstrations of state of the arts graphing

Calculator at Annual meeting of National Council of Teachers of Mathematics. Las Vegas, NV. April 21-24, 2002.

Collins, D. W., "Everyday Number Patterns". Annual meeting of National Council of Teachers of Mathematics, San Antonio, TX. April 11, 2003.

Collins, D.W., ``Probability Simulations-Relating Experimental and Theoretical Probability''. International Conference on Technology in Collegiate Mathematics (ICTCM) Chicago, IL. November 1, 2003

Collins, D.W., ``Probability Applications that you may not be aware of''. Annual meeting of National Council of Teachers of Mathematics. Philadelphia, PA. April 23, 2004

Regional Presentations

Collins, D. W., Taking the Fear Out of Construction. Conference for the Advancement of Mathematics Teaching, Houston, TX., July, 1994.

Collins, D. W., Organizational Meeting of Texas Teacher Educators. Conference for the Advancement of Mathematics Teaching, Houston, TX., July, 1994.

Collins, D. W., Using the Sharp 9300 Graphing Calculator for Statistics. Kentucky Council of Teachers of Mathematics Annual Meeting, Ft. Mitchell, KY., October 8, 1994.

Collins, D. W., Attitudes Toward Mathematics, What Can We Do To Change Them? National Council Teachers of Mathematics Regional Meeting, Tulsa, OK., November, 1994.

Collins, D. W., Using the Sharp E-9300. Conference for the Advancement of Mathematics Teaching, San Antonio, TX., August, 1995.

Collins, D. W., Attitudes Toward Mathematics. Conference for the Advancement of Mathematics Teaching, San Antonio, TX., August, 1995.

Collins, D. W., Using the Graphing Calculator to Teach High School Statistics. North Carolina Council of Teachers of Mathematics, Greensboro, NC., September 22, 1995.

Collins, D. W., Using the Graphing Calculator to Teach High School Statistics. National Council of Teachers of Mathematics Regional Meeting, Springfield, MO., October 12, 1995.

Collins, D. W., & Moore, J., Multiculturalism and Attitudes

in Teaching Mathematics. National Council of Teachers of Mathematics Regional Meeting, Springfield, MO, October 13, 1995

Collins, D. W., Using the Sharp 9300 to Teach High School Statistics., Using the Sharp 1-300 in the Elementary Classroom. National Council of Teachers of Mathematics Regional Meeting, Houston, TX., November 10, 1995.

Collins, D. W., Assessment Kentucky Style. Conference on the Teaching of Secondary Mathematics, Huntsville, TX., January 20, 1996.

Collins, D. W., It is Amazing What the Middle School Calculator Can Do. Western Kentucky Council of Teachers of Mathematics Conference, Bowling Green, KY., March 30, 1996.

Collins, D. W., Using the Calculator in the Middle School. Using the Graphing Calculator to Teach High School Statistics. Conference for the Advancement of Mathematics Teaching, Dallas, TX., 1996.

Collins, D. W., Using the Graphing Calculator. National Council of Teachers of Mathematics Regional Meeting, South Bend, IN., October, 1996.

Collins, D. W., Using the Calculator in Middle School. National Council of Teachers of Mathematics Regional Meeting, Baltimore, MD., November 6, 1997.

Collins, D. W., Probability Simulations. National Council of Teachers of Mathematics Regional Meeting, Atlanta, GA., March, 1997.

Collins, D. W., Using the Graphing Calculator. National Council of Teachers of Mathematics Regional Meeting, Rochester, NY., May 23, 1997.

Collins, D. W., You Would Be Surprised What a Middle School Calculator Can Do. Conference for Advancement of Mathematics Teaching, Houston, TX. Aug.1, 1997.
(2 sessions)

Collins, D. W., Using the Calculator in Elementary/Middle School. Kentucky Council of Teachers of Mathematics, Annual Conference. Lexington, KY. 1997.

Collins, D. W., Experimental Probability Using the Graphing Calculator. National Council of Teachers of Mathematics, Regional Meeting. Tampa, FL. 1998.

Collins, D. W., Simulations to Stimulate Learning. National

Council of Teachers of Mathematics, Regional Meeting.
Memphis, TN. 1998.

Collins, D. W., Probability Simulations Using the Graphing
Calculator. National Council of Teachers of Mathematics,
Regional Meeting. Milwaukee, WI. 1998.

Collins, D. W., "Probability Simulations using the Graphing
Calculator." National Council of Teachers of Mathematics ,
Buffalo, NY. , Oct. 1999

Collins, D. W., "Uses of and Activities for the Middle
School Calculator. " Annual meeting of Kentucky Council of
Teachers of Mathematics , Lexington, KY. Oct. 1999 .

Collins, D. W., "Uses of and Activities for the Middle
School Calculator.'" Annual meeting of North Carolina
Council of Teachers of Mathematics , Greensboro, NC . Oct.
1999.

Collins, D. W., "Using the Calculator in Middle School
Mathematics. "National Council of Teachers of Mathematics,
El Paso, TX. Jan. 27-29, 2000.

Collins, D. W., "Probability Simulations Using the Graphing
Calculator." National Council of Teachers of Mathematics,
Mobile, AL . Mar. 16-18, 2000.

Collins, D. W., " Graphing Technology. " Kentucky IDEAFEST,
Lexington, KY. Sept. 22, 2000

Collins, D. W., "Using the Calculator in Middle School
Mathematics. "South Carolina Council of Teachers of
Mathematics , Myrtle Beach , SC. Oct. 6, 2000.

Collins, D. W., "Using the Calculator in Middle School
Mathematics. "El Paso Council of Teachers of Mathematics,
El Paso, TX. Oct. 14, 2000.

Collins, D. W., "Probability Simulations Using the Graphing
Calculator." El Paso Council of Teachers of Mathematics,
El Paso, TX . Oct. 14, 2000.

Collins, D. W., "Probability Simulations." National
Council of Teachers of Mathematics, Omaha, NE. Oct.20, 2000.

Collins, D. W., "Probability Simulations Using the Graphing
Calculator." National Council of Teachers of Mathematics,
Springfield, MA. Nov. 3, 2000.

Collins, D. W., "Using a Graphing Calculator Designed for
Middle School." Annual meeting of Kentucky Council of
Teachers of Mathematics, Elizabethtown, KY. Nov.11, 2000.

Collins, D. W., "Probability Simulations Using the Graphing Calculator." Conference for the Advancement of Mathematics Teaching, San Antonio, TX. July 19-21, 2001

Collins, D. W., "Probability Simulations for Classroom Use." Joint meeting of the Kentucky Council of Teachers of Mathematics and the Kentucky Council of Teachers of Science, Lexington, KY. July 27-28, 2001.

Collins, D. W., " You Would be Surprised What a Middle School Calculator can do! " El Paso Council of Teachers of Mathematics, El Paso, TX. Oct. 20, 2001.

Collins, D. W., "Using the Graphing Calculator in the Classroom." El Paso Council of Teachers of Mathematics, El Paso, TX. Oct. 20, 2001.

Collins, D. W., "Discovering the Mathematics Behind A Code Used in Everyday Life." Annual meeting of Kentucky Council of Teachers of Mathematics, Owensboro, KY. Nov. 10, 2001.

Collins, D. W., "Probability Simulations to Stimulate Student Interest." National Council of Teachers of Mathematics, Oklahoma City, OK. Feb.22, 2002.

Collins, D. W., " Using the Graphing Calculator in Middle School." Presentation for Young Women in Science. Versailles, KY. Mar.15, 2002.

Collins, D. W. Demonstrations of State of the Arts Graphing Calculator at Annual Meeting of National Council of Teachers of Mathematics. Las Vegas, NV. April 21-24, 2002.

Collins, D. W., " Discovering an Interesting Pattern in Your Junk Mail." Conference for the Advancement of Mathematics Teaching, Dallas, TX . July 10-11, 2002. This session was repeated .

Collins, D. W., "Number Patterns in Everyday Life". Kentucky Council of Teachers of Mathematics Annual Conference, Louisville, KY. Sept. 14, 2002.

Collins, D. W., "Experimental and Theoretical Probability Activities for Elementary School". Fifth Carolinas Mathematics Conference, Oct 18, 2002 Charlotte, NC.

Collins, D. W., "Probability Simulations for the Classroom". Eastern Regional Conference of National Council of Teachers of Mathematics, Boston, MA. Nov. 15, 2002.

Presentation of PreAlgebra textbook before the Alabama State

textbook Selection committee. Montgomery, AL. July 2003.
Textbook was approved for statewide use.

Collins, D. W., "Magic Squares—Can You Make Them? Can You Solve Them?" Presented twice. Conference for the Advancement of Mathematics Teaching (CAMT) Houston, TX. July 18, 2003 This was the 25th year that I presented at this conference

Collins, D. W., "Codes and Patterns—Great Tools for Teaching Higher Order Thinking Skills". Greater El Paso Council of Teachers of Mathematics. (GEPCTM) El Paso, TX Oct.18, 2003

Collins, D. W., "Probability Simulations that are used in Everyday Life". Southern Regional Conference of National Council of Teachers of Mathematics (NCTM). Charleston, SC. Nov. 8, 2003.

Collins, D. W., "Simulations that Stimulate Student Interest". Conference of National Council of Teachers of Mathematics (NCTM). Birmingham, AL. Oct.20, 2005.

Collins, D. W., "Probability Activities that you can use in the Classroom". Western Regional Conference of National Council of Teachers of Mathematics (NCTM). Denver, CO. Nov. 10 and 12, 2005. Presentation was repeated.

Collins, D. W., "The Magic Square, Some Surprising Uses" El Paso Council of Teachers of Mathematics, El Paso, TX. Oct. 20, 2007.

Additional Presentations:

Association of Mathematics Teachers of New York State

Ohio Council of Teachers of Mathematics

Wisconsin Council of Teachers of Mathematics

Textbook presentations for the State Boards in the following states: South Carolina, Florida, Oklahoma, Louisiana, Utah, Idaho, Alabama, Texas

Consultant services and inservice workshops for secondary and elementary schools in 13 different states.

H. GRANTS

ESEA Grant, Humanizing Abstract Mathematics (HAM) Elmhurst, Illinois, District 205. Coordinator for the rewriting of Districts Junior High individualized mathematics instruction material.

NSF Grant, University of Houston and Alief, Texas public schools. The effect of the calculator on the teaching and learning of mathematics. Principal investigators, George Bright, L.Y. Hollis, Herscholt Waxman. Dissertation based on results of attitude scale administered during the project.

Woodrow Wilson Institutes. Coordinator of 1993 Summer Institute hosted by Sam Houston State University. Topic: Algebra and the NCTM Standards

Coordinator of 1994 Summer Institute hosted by Texas Tech University. Topic: Discrete Mathematics.

State of Texas Funded Organized Research Grant 1994, Texas Tech University. Investigation of ethnicity, gender, and calculator use on student attitude toward mathematics.

Austin Area Geometry Institute 1994. Program analyst, University of Texas Eisenhower Mathematics and Science funded Summer Institute for Teachers.

Kentucky PRISM Project 1995-1997. Assistant Director, Region II. Kentucky

NASA grant, Project NOVA, Principal Investigator, Making Connections Between Math, Science and Technology Using an Environmental Theme. One of 3 funded NOVA Projects for 1998-1999. Supplemental grants 2000-2003

I. HONORS

Vita solicited by Who's Who in American Education 1987-88, 1989-90, 1991-92, 1993-94, 1995-96.

Pi Mu Epsilon

Elected to Text and Academic Authors Association Council. April 2003, Three year term. Re elected 2006, President/Elect 2007

K. PROFESSIONAL ACTIVITIES

National Science Foundation Academic Year Institute 1964-65,
Boston College

National Science Foundation Summer Institutes (2) 1962-1963,
University of Southwestern Louisiana

National Science Foundation Inservice Institutes (2) 1963
and 1964, Howard Payne College

Invited participant, three conferences - Mathematics
Sciences Education Board (MSEB) 1986-1987

Implementation Board for NCTM Standards, National Council of
Supervisors of Mathematics 1988

Selection Committee, Presidential Awards for Texas
Excellence in Mathematics Teaching 1989
Program and Exhibits Chair, Conference on the Teaching of
Secondary Mathematics, Sam Houston University, Huntsville,
TX 1989-1994

Prepared Mathematics Portfolio for Texas Tech University,
NCATE evaluation 1993-1994

Member, Kentucky PRISM, the state's mathematics initiative
1995-2000

Advisor-Presenter, Kentucky Educational Television 1995-1996

Vice-President, College; Western Kentucky Council of
Teachers of Mathematics 1996-2000

Member, Kentucky Department of Education, Mathematics Task
Force 1996-1999

Exhibits Chair, Kentucky Council of Teachers of Mathematics,
Annual Conference 1996, Bowling Green, KY

Field testing and presentations of Sharp and Casio
calculators 1997-2003

Correlation of various educational publications with state
guidelines 1998-Present

J. OTHER

PTA Officer Elmhurst, IL 1970-1973, President 1973

Educational Planning Committee, Elmhurst, IL, Chair 1970-
1973. Member of Committee of Ten for Unifying School
District, Elmhurst, IL 1971-1973

Little League Baseball Coach, Pickerington, OH, 1970-1982
League Officer 1979-1983; President 1983

Pickerington Ohio Youth Athletic Association 1982-1987
Commissioner 1984-1987

Head Cross Country Coach, Sandburg Junior High, Elmhurst,
IL, 1975 - City Champions

K. REFERENCES

Upon request