

Curriculum Vitae

NAME: Wesley Travis Thompson

HIGHER EDUCATION

B.A. Harding University Mathematics 1971

M.S. Northeast La. Univ. Mathematics 1973

Ph.D. Univ. of Arkansas Mathematics 1977

Univ. of Southwestern La.---17 hours of graduate level statistics,
1982-83

Numerous Short Courses/NSF Workshops attended.

INSTITUTES/WORKSHOPS

Summer Faculty Institute, "Nuclear Technology",

Argonne National Laboratories, Chicago, IL 1978

Summer Faculty Institute, "Energy Alternatives",

Argonne National Laboratories, Chicago, IL 1979

Summer Faculty Institute, "Socio-Economic Impacts
of Nuclear Technology", Argonne National Laboratories,

Chicago, IL 1979

CURRENT RESEARCH INTERESTS

S-Closed Spaces

Mathematics Education

PROFESSIONAL SOCIETIES

MAA Member, 1975-2010

AMATYC Member, 1978-Present

La. Executive Vice President of the LA-MS section of the MAA, 1984-85

Reviewer (referee) for the AMATYC REVIEW (1980-82, 1987-1993)

Editorial Board Member for the AMATYC REVIEW (1988-1991)

Arkansas Delegate to the AMATYC (1988-1990, 1992-1995)

National Chairperson, AMATYC meeting in Little Rock, AR (Nov. 1995)

Program Chair NCAD 2008

FUNDED PROPOSALS

"Arkansas - An Abundance of Energy Resources", AEGIS 1986 program funded by the Arkansas State Department of Education, \$45,000 .

"Arkansas - An Abundance of Energy Resources", AEGIS 1987 program funded by the Arkansas State Department of Education, \$28,000 .

"Mathematical Modeling - Real Solutions to Real World Problems", AEGIS 1987 program funded by the Arkansas State Department of Education, \$10,000 .

"Arkansas - An Abundance of Energy Resources", AEGIS 1988 program funded by the Arkansas State Department of Education, \$26,250 1989, \$26,250 , 1990 \$17,500.

"Mathematical Modeling - Real Solutions to Real World Problems", AEGIS 1988, program funded by the Arkansas State Department of Education, \$9,000 , 1989, \$9,000 , 1990, \$17,500.

"Artificial Intelligence" - AEGIS 1990-2000, \$300,000.

Title III Strengthening Institutions Grant 1987-1990, \$600,000 .

Title II EESA, "Mathematics Teachers of Gifted Students", 1988, \$13,495 .

"Impact of ACT 1052 on Higher Education in Arkansas", 1988, Exxon Foundation, \$8,600.

"Follow-up Survey and Analysis of the Impact of Heightened Mathematics Requirements", Exxon Education Foundation, \$18,320, 1989.

Title VIII Cooperative Education (Supplemental Funds) 1988-89, \$13,914.

Title IV Cooperative Education (3 Year Funding) 1989-93, \$260,000.

Discretionary Grant, Winthrop Rockefeller Foundation, 1989, \$1,000.

Literacy Corp Grant, U.S. Dept. of Education, 1990-92, \$49,000.

Title IV Student Support Services Grant, 1990-93, \$500,000 .

Title IV Student Support Services Grant, 1993, \$205,000 .

TEACHING RESPONSIBILITIES (Last five years)

Differential Equations

Calculus I,II,III

Probability and Statistics

Statistics

Abstract Algebra

TEACHING EXPERIENCE

Graduate Assistant in Mathematics, Northeast La. Univ., 1971-73

Graduate Assistant in Mathematics, Univ. of Arkansas, 1973-77

Assistant Professor of Mathematics, Michigan Christian College, 1977-79

Assistant Professor of Mathematics, Univ of Ark. (UAPB), 1979-80

Assistant Professor of Mathematics, LSU at Eunice, 1980-82

Assistant Lecturer, Univ. of Southwestern La., 1982-83

Assistant Professor of Mathematics, Northeast La. Univ., 1983-85

Associate Professor of Mathematics, Harding University, 1985-1990

Professor of Mathematics/Computer Science, Harding University,
1990-Present

ADMINISTRATIVE EXPERIENCE

Assistant to the Dean, College of Arts and Sciences,
Harding University, 1987-2001

Associate Dean, College of Sciences, 2001-2002

Dean, College of Sciences, 2002 - 2019

Director of AEGIS 1986 "Arkansas - An Abundance of Energy".

Director of MTGS 1988, "Mathematics Teachers of Gifted Students", TITLE II

Title III Coordinator, 1987-90.

Director of AEGIS 1990 - 2000 "Artificial Intelligence"

INVITED LECTURES

1979, Oakland Univ., Rochester, Michigan

"A Survey of S-Closed Spaces."

1979, University of Arkansas, Fayetteville, AR.,

"A Historical Survey of Compactness."

1983, Southwestern Louisiana University,

Lafayette, La., "S-Closed Spaces"

1984, Tulane University (National Mu Alpha Theta)

"Prime and Pentagonal Numbers"

1984, La. Association for Developmental Education,
"Teaching Techniques That Work"

1985, North Louisiana Teachers of Mathematics,
"Prime and Pentagonal Numbers"

1985, AMATYC National Meeting, Memphis, TN,
"Let's Rethink Basic Mathematics"

1986, AMATYC National Meeting, San Francisco, CA,
"Operations Research in the Liberal Arts"

1987, AMATYC National Meeting, Kansas City, Missouri
"Numerical Techniques in Elementary Calculus"

1988, AMATYC National Meeting, Calgary, Alberta, CANADA
"Numerical Algorithms for Elementary Calculus"

1988, AADE State Meeting, Blytheville, AR
"Let's Rethink Basic Mathematics"

1988, ACTM State Meeting, Little Rock, AR
"Act 1052 - The Impact on Higher Education in Arkansas"

1989, IMAAC, Allerton Park, IL

"Statistics - The (Mis)Leading Edge of Academics"

1989, Crowley's Ridge Cooperative, "Let's Rethink Basic Mathematics",
and "The Law of Large Numbers."

1990, Crowley's Ridge Cooperative, "Act 1052 - The Impact on
Mathematics Education in Arkansas."

1990, ArkADE (Little Rock), "Let's Rethink Basic Mathematics II"

Many more!

PAPERS PRESENTED

1975, "Discontinuities of a Function with Closed Graph",
OK-AR MAA sectional meeting.

1976, "S-Closed Spaces", OK-AR MAA sectional meeting.

1981, "Undergraduate Research at Two-Year Colleges",
AMATYC National Meeting, New Orleans, LA.

1982, "SQ-Closed Spaces", La. Academy of Sciences.

1982, "Nowhere Dense Subsets of Perfectly Normal Baire Spaces",
LA-MS MAA sectional meeting.

1983, "Z-Closed Spaces", LA-MS MAA sectional meeting.

1983, "Irreducible Spaces", La. Academy of Sciences.

1984, "G-Quasi Interior Functions", LA-MS sectional meeting.

1986, "SQ-Closed Spaces", OK-AR MAA sectional meeting.

1987, "Sequentially Closed Graphs", OK-AR MAA sectional meeting.

1989, "Act 1052 - The Impact on Higher Education in Arkansas", MAA
OK-AR sectional meeting.

1989, "Act 1052 - The Impact on Higher Education in Arkansas",
Arkansas Association of Colleges for Teacher Education.

1989, "Teaching in a Team Environment", the national AMATYC meeting,
October 1989, Baltimore, MD.

1989, "Research for AADE - What Should It Be?", Ark. Assoc. for
Developmental Education Annual Meeting, Ft. Smith, AR.

1990, "Let's Rethink Basic Mathematics", National Association
for Developmental Education, Boston, MA.

1990, "Act 1052 - The Impact on Mathematics Education in Arkansas",
national Mathematical Association of America meeting,
Louisville, KY.

1994, "Teaching Mathematics in a Team Environment",
sectional Mathematical Association of America meeting,
Searcy, AR.

1994, "Grant Writing", national AMATYC meeting, Tulsa, OK.

1996, "NASA and the Mathematics Curriculum",
national AMATYC meeting, Long Beach, CA

1996, "AMATYC Standards - A Closer Look",
joint MOade, ARKade meeting, Branson, MO.

2005, "Well (un)Known Tricks of the Trade",
national AMATYC meeting, San Diego, CA.

2006, "Class Syllabus for Cooperative Learning",
Teaching and Learning Conference, Orlando, FL

2008, "Collaboration With The Academy",
Teaching and Learning Conference, Orlando, FL

PUBLICATIONS

1. "SQ-Closed Spaces." *Mathematica Japonica*, 22, No.4, 491-495.

MR#80a:65156

2. "S-Closed Spaces." *Proc. of Amer. Math. Soc.*, 60, 335-338.

MR#13849

3. "Semicontinuous and Irresolute Images of S-Closed Spaces."

Proc. of Amer. Math. Soc., 66, No.2, 359-362. MR56#9480 .

4. "Characterizations of Nearly Compact Spaces."

Kyungpook Math. Jour., 17, No.1, 37-41. MR57#4097

5. "Concerning Certain Subsets of Non-Hausdorff Topological Spaces."

Boll. U.M.I., 14-A, 34-37. MR55#6344

6. "Characterizing Certain Sets with Functions Having Closed Graphs."

Boll. U.M.I., (4), 12, 327-329.

7. "A Classroom Note on Teaching Simple Inequalities Involving

Absolute Values." *The MATYC Jour.*, Fall, 1981, p.198.

8. "Characterizations of Irreducible Spaces."

Kyungpook Math. Jour., Vol.21, No.2, Feb. 1982. MR#83a:54046 .

9. "Prime and Pentagonal Numbers." The Journal of Mathematics and Computer Education, Spring 1983, Vol.17, No.2, p.135-136.

10. "Z-Closed Spaces." Mathematical Chronicle, 11(1982),Part 2, 103-107.
MR#83m:54038 .

11. "A Characterization of S-Closed Spaces Using Extremally Closed Graphs."
Caribbean Journal of Mathematics, 1, (3), 1983, 105-108 .

12. "Undergraduate Research." The AMATYC Review, Spring/Summer Vol.4, No.2.
14-17.

13. "Sequentially Closed Graphs." Yokohama Mathematics Journal, Vol.33,1985.

14. "Simplifying Radicals Via the Euclidean Algorithm". The Journal of Mathematics and Computer Education, Winter 1985, Vol.19, No.1, 52.

15. "Summing Infinite Series in Closed Form". The AMATYC Review,
Spring/Summer 1985, 7. Co-author Dr. Tom Boullion, USL.

16. "Characterization of SQ-Closed Spaces", Kyungpook Mathematical Journal,
Vol. 26, No.1, 1986.

17. "Synthetic Division for Polynomials - More Than Just P(S)."

Mathematics and Computer Education, 1988.

18. "An Alternative Method for Proving Trigonometric Identities",
The AMATYC Review, p. 45, Vol. 8 No. 1, Sept. 1986 .

19. "G-Quasi Interior Functions", Nepali Math. Sci. Rep., 1986.

20. "Numerical Integration - Surprises From the Trapezoidal Rule", The
AMATYC Review, pp.18-20, Summer 1988.

21. "A General Test for Divisibility by an Odd Integer Not a Multiple
of Five", The AMATYC Review, co-authored with Matt Ogren,
AMATYC Review, pp. 56-57, Vol. 14, No. 1, Fall 1992.

22. "Cooperative Education - A First Step", Journal of Arkansas
Association for Developmental Education, Vol. 10, Issue 1,
Nov. 1998, pp.20-22.

23. "Truth Tables - A Functional Approach," The AMATYC Review,
Vol. 20, No. 1, Fall 1998, pp. 16-18.

24. "An Application of the Factored Difference of Two Nth Powers",
AMATYC Review, pp. 67-68, Vol. 24, No. 1, Fall 2002.

25. "Ogren's Theorem Revisited", co-author, AMATYC Review,
Vol. 3, No. 2, pp.33-34.

26. "A Binary Divisibility Theorem", AMATYC Review,
January 2008, Vol. 30, No. 1, pp.88-89.
27. "More Extensions On A Classical Geometry Problem", co-author, The Mathematics
Teacher, June 2001.
28. "A Probabilistic Look At The Price Is Right Showdown", MathAMATYC Educator,
May 2016, Vol. 7, No. 2, pp. 33-34.