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EDUCATION

- Ph.D. in Mathematics, The University of North Texas, Denton, Texas, 1987. Dissertation, *Invertible ideals and the strong two-generator property in some polynomial subrings*, directed by Dr. N. H. Vaughan.
- M.S. in Mathematics, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, 1984. Master's project, *Algebraic Number Theory in $\mathbb{Q}[\sqrt{-5}]$* , directed by Dr. W. W. Smith.
- B.S. (cum laude) in Mathematics and Politics, Wake Forest University, Winston-Salem, North Carolina, 1981. Senior honors paper in Mathematics, *Polya's Theory of Counting*, directed by Dr. F. T. Howard.

POSITIONS HELD

- Distinguished Professor and *Scholar in Residence*, Sam Houston State University, 2018 - .
- Professor and *Scholar in Residence*, Sam Houston State University, 2008 - 2018.
- Editor, *The American Mathematical Monthly* (term ran 2012–2016).
- Editor-Elect, *The American Mathematical Monthly*, 2011.
- Professor, Trinity University, 1999- 2008.
- Program Director, Trinity University Research Experiences for Undergraduates in Mathematics, 2001-2009.
- Associate Professor, Trinity University, 1993-1999.
- Assistant Professor, Trinity University, 1987-1993.
- Teaching Fellow, The University of North Texas, 1984-1987.
- Graduate Teaching Assistant, The University of North Carolina at Chapel Hill, 1981-1984.
- Summer Intern, Office of Governor James B. Hunt, Jr. of the State of North Carolina, Summer 1981.

HONORS

- Fellow of the American Mathematical Society (class of 2017).
- Sam Houston State Excellence in Research Award, 2015.

Trinity University Award for Distinguished Scholarship or Research, 2002-2003.
J. William Fulbright Research Scholar, 1995.
Named an Outstanding Centennial Alumnus of the College of Arts and Sciences at the University of North Texas, April 1990.
John M. Bennett Fellow, Trinity University, 1987-1990.
Outstanding Teaching Assistant/Teaching Fellow, The University of North Texas, 1987.
Elected to the honor society of Phi Kappa Phi, The University of North Texas, 1986.
President, Graduate Mathematics Association, The University of North Carolina at Chapel Hill, 1983.

PROFESSIONAL ORGANIZATIONS

American Mathematical Society, 1981-present.
Mathematical Association of America, 1985-present.
Fulbright Association, 1995-present.
Deutscher Akademischer Austauschdienst (DAAD) Alumni Association, 1997-present.

PAPERS PRESENTED AND INVITED ADDRESSES/PRESENTATIONS

Meetings of the American Mathematical Society

- 830th meeting, Denton, Texas, October 1986.
- 831st meeting, San Antonio, Texas, January 1987.
- 839th meeting, Atlanta, Georgia, January 1988.
- 847th meeting, Phoenix, Arizona, January 1989.
- 854th meeting, Louisville, Kentucky, January 1990.
- 861st meeting, Denton, Texas, November 1990 (special session on commutative algebra)
- 863rd meeting, San Francisco, California, January 1991.
- 871st meeting, Baltimore, Maryland, January 1992.
- 878th meeting, San Antonio, Texas, January 1993 (special session on commutative algebra).
- 879th meeting, Knoxville, Tennessee, March 1993 (special session on commutative algebra).
- 909th meeting, Iowa City, Iowa, March 1996 (special session on commutative algebra).
- 915th meeting, Chattanooga, Tennessee, October 1996 (special session on commutative algebra).
- 936th meeting, Winston-Salem, North Carolina, October 1998 (special session on commutative algebra).
- 949th meeting, Charlotte, North Carolina, October 1999 (special session on commutative algebra).
- 970th meeting, Chattanooga, Tennessee, October 2001 (special session on commutative algebra).
- 977th meeting, Pisa, Italy, June 2002 (special session on commutative rings and integer-valued polynomials).
- 984th meeting, Baton Rouge, Louisiana, March 2003 (special session on commutative ring theory).
- 994th meeting, Tallahassee, Florida, March 2004 (special session on Robert Gilmer and Joe Mott: Forty years of Commutative Ring Theory at Florida State University).
- 1010th meeting, Johnson City, Tennessee, October 2005 (special session on commutative ring theory).
- 115th annual meeting, Washington, D.C., January 2009 (special session on commutative rings).

- 1053rd meeting, Boca Raton, Florida, October 2009 (special session on commutative ring theory: a tribute to the memory of James Brewer).
- 1058th meeting, Minneapolis, Minnesota, April 2010 (special session on commutative ring theory).
- 1097th meeting, Knoxville, Tennessee, March 2014 (special session on commutative ring theory in honor of the retirement of David Dobbs).
- 1124th meeting, Raleigh, North Carolina, November 2016 (special session on commutative ring theory in honor of Jay Shapiro).
- 1125th meeting, Atlanta, Georgia, January 2017 (special session on Commutative Algebra: Research for Undergraduate and Early Graduate Students).
- 1126th meeting, Charleston, South Carolina, March 2017 (special session on Factorization Theory and Multiplicative Ideal Theory).

Meetings of the Mathematical Association of America

- Texas Section, Eastfield College, Dallas, Texas, April 1986.
- Texas Section, Tarleton State University, Stephenville, Texas, April 1987.
- Texas Section, Trinity University, San Antonio, Texas, April 1988.
- Texas Section, Texas Lutheran College, Seguin, Texas, April 1989.

1994 John H. Barrett Memorial Lectures, Commutative Algebra Mini-Conference, The University of Tennessee at Knoxville, April 1994.

1996 Factorization in Integral Domains, Commutative Algebra Mini-Conference, The University of Iowa, Iowa City, Iowa, March 1996.

Algebra Meeting, Faculté des Sciences de Saint-Jérôme, Marseille, France, June 1997.

Commutative Algebra Workshop, Università degli Studi, Roma Tre, Rome, Italy, June 1999.

Commutative Algebra Conference in honor of James A. Huckaba, The University of Missouri, Columbia, Missouri, December 1999.

Second International Encounter on Integer-Valued Polynomials, CIRM (Luminy, France), May-June 2000.

Algebra Conference Venezia 2002, Venice, Italy, June 2002.

Commutative Rings and their Modules, Cortona, Italy, June 2004 (Plenary Speaker).

International Symposium on Commutative Rings and Monoids, Graz, Austria, September 2004.

First Annual Texas Undergraduate Mathematics Conference (KeynoteSpeaker), Huntsville, Texas, October 2005.

Workshop on Commutative Rings, Cortona, Italy, June 2006.

University of Tennessee Undergraduate Mathematics Conference (Keynote Speaker), Knoxville, Tennessee, April 2007.

The Art of Factorization in Multiplicative Structures (Organizer's Keynote Address), MAA-PREP Workshop, Trinity University, San Antonio, Texas, May 2007.

Mathematics on the Northern Plains (Keynote Speaker), North Dakota State University, Fargo, North Dakota, April 2008.

CURM Summer Meeting, Center for Undergraduate Research in Mathematics, Brigham Young University, Provo, Utah, August 2008.

Algebra Lecturer for the 2009 Immerse Program, University of Nebraska at Lincoln, Lincoln, Nebraska, July 2009.

CURM Summer Meeting, Center for Undergraduate Research in Mathematics, Brigham Young University, Provo, Utah, August 2009.

Iberian Meeting on Numerical Semigroups, Universidad de Granada, Granada, Spain, February 2010.

- New York Number Theory Seminar, Combinatorial and Additive Number Theory (CANT 2010), City University of New York, New York, New York, May 2010.
- Third International Encounter on Integer-Valued Polynomials, CIRM (Luminy, France), November-December 2010.
- Southwest Local Algebra Meeting (SLAM), New Mexico State University, Las Cruces, New Mexico, March 2011.
- New York Number Theory Seminar, Combinatorial and Additive Number Theory (CANT 2011), City University of New York, New York, New York, May 2011.
- Integers Conference, West Georgia College, Carrollton, Georgia, October 2011.
- San Diego State University REU, San Diego, California, June 2012 (Consultant's Keynote Address).
- Iberian Meeting on Numerical Semigroups, UTAD, Vila Real, Portugal, July 2012.
- Eastern Pennsylvania-Delaware MAA Sectional Meeting, Dickinson College, Carlisle, PA, April 2013 (Plenary Speaker).
- Texas Section Project NEXT Fellows, Texas A&M International University, Laredo, TX, April 2014.
- Texas Section MAA Sectional Meeting, Texas A&M International University, Laredo, TX, April 2014 (Closing Address).
- Arithmetic and Ideal Theory of Commutative Rings and Semigroups, Graz, Austria, September 2014.
- Intermountain Section MAA Sectional Meeting, Brigham Young University, Provo, Utah, March 2015 (Plenary Speaker).
- New York Number Theory Seminar, Combinatorial and Additive Number Theory (CANT 2015), City University of New York, New York, New York, May 2015.
- IRMACS Pi Day Speaker, Simon Fraser University, Vancouver, Canada, March 2016.
- Allegheny Mountain Section MAA Sectional Meeting, Gannon University, Erie, PA, April 2016.
- New York Number Theory Seminar, Combinatorial and Additive Number Theory (CANT 2018), City University of New York, New York, New York, May 2018.
- International Meeting on Numerical Semigroups, Cortona, Italy, September 2018.

SELECTED COLLOQUIA

- Università degli Studi di Roma "LA SAPIENZA", Rome, Italy, May 1990, June 1990, and June 1991.
- Karl-Franzens-Universität Graz, Institut für Mathematik, Graz, Austria, June 1990, April 1995, July 1996, February 2000 and December 2006.
- The University of Tennessee, Knoxville, Tennessee, January 1991, May 1992 and April 2007.
- Universität Bremen, Mathematisches Kolloquium, Bremen, Germany, June 1991, June 1995, June 1996, June 2005, and December 2017.
- Florida State University, Tallahassee, Florida, March 1994.
- The University of California at Riverside, August 1994.
- The University of North Texas, December 1994.
- Terza Università degli Studi di Roma, Rome, Italy, February 1995 and March 1995.
- Saint-Jérôme Université d'Aix-Marseille III, Marseille, France, March 1995.
- Wake Forest University, Winston-Salem, North Carolina, October 1996.
- Allegheny College, Meadville, Pennsylvania, November 1999.
- Universidad de Granada, Granada, Spain, March 2000.
- Loyola Marymount University, Los Angeles, California, March 2001.
- Texas Christian University, Fort Worth, Texas, January 2002.
- St. Mary's University, San Antonio, Texas, February 2002 and February 2007.
- University of Texas-Pan American, Edinburg, Texas, February 2002.

University of Texas at San Antonio, San Antonio, Texas, November 2002.
Claremont Colleges, Claremont, California, February 2003.
University of North Carolina at Greensboro, Greensboro, North Carolina, March 2003.
University of Nebraska at Lincoln, March 2005.
New Mexico State University, Las Cruces, New Mexico, October 2006.
East Carolina University, Greenville, North Carolina, January 2007.
University of Texas at Tyler, Tyler, Texas, February 2008.
Texas A&M University, College Station, Texas, November 2008 and December 2016.
Harvard University (Harvard Math Table), Cambridge, Massachusetts, October 2010.
Amherst College, Amherst, Massachusetts, October 2010.
Texas State University - San Marcos, San Marcos, Texas, March 2011.
Kennesaw State University, Kennesaw, Georgia, April 2012.
University of Pittsburgh, Pittsburgh, PA, April 2013.
Clemson University, Clemson, South Carolina, September 2013.
Butler University, Indianapolis, Indiana, October 2013.
Cornell University, Ithaca, New York, April 2016.
Western Ontario University, London, Ontario, June 2016.
Dalhousie University, Halifax, Nova Scotia, October 2016.
Università degli Studi "Roma Tre," Rome, Italy, June 2017.
Rice University, Houston, Texas, October 2017.
Penn State, University Park, PA, November 2017.
Jacobs University, Bremen, Germany, December 2017.

GRANTS AND FELLOWSHIPS

John M. Bennett Junior Faculty Fellowship at Trinity University, Summers of 1988, 1989, and 1990.
Summer Stipend Grants from the Trinity University Faculty Development Committee, Summer 1991, Summer 1997 and Summer 2002.
Fellowship for Foreign Mathematicians for study at Terza Università degli Studi di Roma from the Consiglio Nazionale delle Ricerche (CNR), December 1994 - April 1995.
J. William Fulbright Senior Foreign Research Scholarship for study at Karl-Franzens Universität, Graz, Austria, April 1995 - June 1995.
Fellowship for a Study Visit to Universität Bremen from Deutscher Akademischer Austauschdienst (DAAD), June 1996 - July 1996.
Co-Principal Investigator on National Science Foundation Research Experience for Undergraduates grant "Undergraduate Research Experiences in Mathematics" (DMS-9619837, \$72,512) at Trinity University, Summer 1997–Summer 1999.
Principal Investigator on National Science Foundation Research Experience for Undergraduates grant "Undergraduate Research Experiences in Mathematics" (DMS-0097366, \$226,017) at Trinity University, Summer 2001–Summer 2003.
Awarded Supplement to the grant "Research Experience for Undergraduates in Mathematics," funded by the National Science Foundation (DMS-0303687, \$12,426) to add an international component to the program at the Institute für Mathematik in Graz, Austria for the summer of 2003.
Principal Investigator on National Science Foundation Research Experience for Undergraduates grant "Research Experiences for Undergraduates in Mathematics" (DMS-0353488, \$188,445) at Trinity University, Summer 2004–Summer 2006.

Professional Enhancement Grant from the Mathematical Association of America (via NSF) to hold a PREP workshop titled *The Art of Factorization in Multiplicative Structures* at Trinity University in May 2007 (\$23,500 from DUE-0341481).

Principal Investigator on National Science Foundation Research Experience for Undergraduates grant “Trinity University Research Experiences for Undergraduates in Mathematics,” (DMS-0648390, \$261,154) at Trinity University, Summer 2007–Summer 2009.

Principal Investigator on a Sam Houston State Enhancement Grant “Higher Factorization Properties of Arithmetical Congruence Monoids,” (\$15,000). The grant funded year long research projects for two Sam Houston State undergraduates during the 2012–2013 academic year.

Principal Investigator on National Science Foundation Research Experience for Undergraduates grant “RUI: The Sam Houston State Research Experiences for Undergraduates in Mathematics Program,” (DMS-1262897, \$388,000) at Sam Houston State University, Summer 2014–Summer 2016.

OTHER PROFESSIONAL ACTIVITIES

Associate Editor for *Journal of Commutative Algebra*.

Associate Editor for *Involve*.

Associate Editor for the *American Mathematical Monthly*, 2007–2011 and 2017– .

Associate Editor for the *International Journal of Commutative Rings*, 2003–2006.

Guest Co-Editor (with Joe Gallian) of a Special Issue of the *American Mathematical Monthly* dedicated to Undergraduate Research in Mathematics, November 2017.

Author for *Mathematical Reviews*.

Referee for *Acta Arithmetica*, *Aequationes Mathematicae*, *American Mathematical Monthly*, *Arabian Journal of Science and Engineering*, *Bulletin of the Australian Mathematical Society*, *Bulletin of the Greek Mathematical Society*, *Colloquium Mathematicum*, *Communications in Algebra*, *Crelle’s Journal*, *Discrete Mathematics*, *Discussiones Mathematicae - Graph Theory*, *Electronic Journal of Combinatorics*, *Forum Mathematicum*, *Houston Journal of Mathematics*, *Ideal Theoretic Methods in Commutative Algebra*, *Illinois Journal of Mathematics*, *Integers*, *Journal de Théorie des Nombres de Bordeaux*, *Journal of Algebra*, *Journal of Algebra and its Applications*, *Journal of Combinatorics and Number Theory*, *Journal of Combinatorial Theory - Series A*, *Journal of the Korean Mathematical Society*, *Journal of Natural Sciences and Mathematics*, *Journal of Number Theory*, *Journal of the London Mathematical Society*, *Journal of Pure and Applied Algebra*, *Journal of Symbolic Computation*, *Le Matematiche*, *Linear Algebra and its Applications*, *Monatshefte für Mathematik*, *Moscow Journal of Combinatorics and Number Theory*, *Le Matematiche*, *Multiplicative Ideal Theory in Commutative Algebra, a tribute to the work of Robert Gilmer*, *Pacific Journal of Mathematics*, *Proceedings of the Algebra Conference Venezia 2002*, *Proceedings of the American Mathematical Society*, *Proceedings of the Edinburgh Mathematical Society*, *Proceedings of the Fes Conference in Commutative Ring Theory*, *Proceedings of the Tenth International Conference on Fibonacci Numbers and Their Application*, *Science Advances*, *Revista Matemática Iberoamericana*, *Rocky Mountain Journal of Mathematics*, the National Science Foundation, the National Security Agency and the Austrian Science Fund.

Member of the Scientific Committee for the Iberian Meeting on Numerical Semigroups, UTAD, Vila Real, Portugal, July 2012.

Member of the Scientific Committee for the International Meeting on Numerical Semigroups, Cortona, Italy, September 2014.

Member of the Scientific Advisory Board for Arithmetic and Ideal Theory of Rings and Semigroups, Graz, Austria, September 2014.

Member of the Scientific Committee for the International Meeting on Numerical Semigroups, Cortona, Italy, September 2018.

Member of Doctoral or Habilitation Juries

- Habilitation Jury for Sophie Frish at Technische Universität Graz, Graz, Austria, February 2001.
- Habilitation Jury for Florian Kainrath at Karl-Franzens-Universität, Graz, Austria, March 2004.
- Doctoral Jury for Julie Yeramian at L'Universite Paul Cezanne Aix-Marseille, Faculté des Sciences et Techniques de St. Jérôme, October 2004. Thesis title: "Anneaux de Bhargava."
- Habilitation Jury for Wolfgang Hassler at Karl-Franzens-Universität, Graz, Austria, June 2005.
- Habilitation Jury for Wolfgang Schmid at Karl-Franzens-Universität, Graz, Austria, June 2006.

Consultant for NSF funded REU Programs at San Diego State University (2012 and 2014) and the University of Hawaii at Hilo (2013 and 2015).

Session Chairing and Session Organization for the American Mathematical Society.

- Chaired AMS contributed papers session on Number Theory, Rings, and Algebras at the 854th meeting of the AMS in Louisville, Kentucky, January 1990.
- Co-chaired and co-organized special session on Commutative Algebra at the 861st meeting of the AMS in Denton, Texas, November 1990.
- Chaired AMS contributed papers session on Commutative Algebra at the 871st meeting of the AMS in Baltimore, Maryland, January 1992.
- Chaired and organized special session on Commutative Algebra at the 878th meeting of the AMS in San Antonio, Texas, January 1993.
- Co-chaired and co-organized special session on Commutative Algebra at the 928th meeting of the AMS in Albuquerque, New Mexico, November 1997.
- Chaired and organized special session on Commutative Algebra at the 939th meeting of the AMS in San Antonio, Texas, January 1999.
- Co-chaired and co-organized special session on Commutative Rings and Monoids at the 962nd meeting of the AMS in New Orleans, Louisiana, January 2001.
- Chaired and organized special session on Commutative Rings and Monoids at the 991st meeting of the AMS in Chapel Hill, North Carolina, October 2003.
- Co-chaired and co-organized special session on Multiplicative Arithmetic in Integral Domains and Monoids at the 1008th meeting of the AMS in Mainz, Germany, June 2005 (joint meeting with the DMV and OMG).
- Co-chaired and co-organized special session on Commutative Rings and Monoids at the 1014th meeting of the AMS in San Antonio, Texas, January 2006.
- Co-chaired and co-organized special session on Commutative Rings and Monoids at the 1048th meeting of the AMS in Raleigh, North Carolina, April 2009.
- Co-chaired and co-organized special session on the Arithmetic and Ideal Theory of Integral Domains and Monoids at the 1086th meeting of the AMS in San Diego, California, January 2013.
- Co-chaired and co-organized special session on Factorization Theory and its Applications at the 1106th meeting of AMS in San Antonio, Texas, January 2015.
- Co-chaired and co-organized special session on Factorization and Arithmetic Properties of Integral Domains and Monoids at the 1147th meeting of the AMS in Honolulu, Hawaii, March 2019.

Session Chairing and Session Organization for the Mathematical Association of America.

- Chaired and co-organized special session on Generations of Monthly Gems at the Centennial MathFest, Washington, D.C., August 2015.

Committee Assignments for the Mathematical Association of America.

- Invited Addresses Committee for the Joint Mathematics Meetings 2013.
- Chair, Committee on Journals (term ran 2014–2016).

Review Board for the Heidelberg Laureate Forum (HLF), 2018– .

Member, Committee of Examiners for the GRE Mathematics Subject Test, 2018–2020.

Reader for the AP Calculus Exam, June 1992, June 1993, June 1994 and June 1997.

Judge, MAA Sponsored Undergraduate Poster Session at the Annual Meeting of the AMS-MAA, Baltimore, January 2003, Phoenix, January 2004, Atlanta, January 2005, San Antonio, January 2006, New Orleans, January 2007, San Diego, January 2008, Washington, January 2009, and Baltimore, January 2014.

Textbook reviewer for Harper and Row, Prentice Hall, McGraw-Hill, Brooks/Cole, and John Wiley and Sons.

UNIVERSITY SERVICE

Service at Trinity University.

- Elected to a three year term on Trinity's Commission on Promotion and Tenure, 2006.
- Chairman, Athletic Department Self-Study for 1997 Southern Association of Colleges Accreditation.
- Member, University Steering Committee for 1997 Southern Association of Colleges Accreditation.
- Trinity University Faculty Representative to the National Collegiate Athletic Association, 1990 - 1999.
- Elected to Executive Committee of the Faculty Athletics Representatives Association (1994 - 1996).
- Chairman, University Athletic Council, 1989 - 1990, 1997-1998.
- Chairman, Head Football Coach Search Committee, 1990.
- Elected to Trinity University Faculty Senate, 1990.
- Member of Search Committees for Faculty appointments in Mathematics (1989, 1990, 1997, 1999, 2000, 2002, 2006), Engineering (1989), and Chemistry (2000).
- Also member of Search Committees for the appointment of the Head Men's Basketball Coach (1989), Head Men's Soccer Coach (1991), and Athletic Director (1993).

Service at Sam Houston State University.

- Chair, Department Calculus Textbook Selection Committee (2010).
- Chair, Search Committee for Tenure-Track Assistant Professor (2011).
- Member, Departmental Workforce Committee (2010-2011).
- Member, Search Committee for Tenure-Track Assistant Professor (2012).
- Member, Sam Houston State Distinguished Professor Review Committee (2011-2013).
- Chair, Departmental Merit Review Committee (2016).
- Chair, Search Committee for Tenure-Track Assistant Professor (2017).
- Chair, Departmental Merit Review Committee (2018).

UNDERGRADUATE RESEARCH PROJECTS DIRECTED

Trinity University Senior Projects.

- Joshua Buckner, *Fibonacci Sequences: Basic Properties and Periodic Behavior*, 1998.
- Cathy Nguyen, *On Empty Delta Sets in the Block Monoids $\mathcal{B}(\mathbb{Z}_2^3)$ and $\mathcal{B}(\mathbb{Z}_2^4)$* , 2004.
- Adam Dennis, *Elasticities in Certain Numerical Monoids*, 2004.
- Stacey Moore, *Distances in Factor Chains of Numerical Monoids*, 2004.
- Emily Davis, *A Characterization of \mathcal{N} -Invariant Elements in a Finite Abelian Group G* , 2005.
- Jordan Marshall, *Number Theoretic Functions on Numerical Monoids*, 2007.
- David Steinberg, *On non-unique factorization in generalized ACMs*, 2008.
- Andy Howington, *On the catenary degree of a three generated numerical monoid*, 2008.

Trinity University Honors Theses in Mathematics.

- William Thill, *On the Davenport Constant and Cross Number of a Finite Abelian Group*, 1994.
- Andrew Crabbe, *Generalized Factorial Functions and Binomial Coefficients*, 2001.
- Barbara McClain, *Factorization Properties of Integer-Valued Polynomials*, 2004.
- Megan Gallant, *Irreducible Polynomials and Factorization Properties of the Ring of Integer-Valued Polynomials*, 2007.

Trinity University Research Experience for Undergraduates in Mathematics Program.

- Kala Schrage (University of Oregon), *Equivalence Classes of Minimal Zero-Sequences*, 1997.
- Jeremy Herr (University of Oklahoma) and Natalie Rooney (University of Texas at Austin), *A Factorization Formula for Class Number Two*, 1998.
- Victor DeLorenzo (Grove City College) and Holly Swisher (University of Oregon), *On the Asymptotic Behavior of Irreducibles in Block Semigroups*, 1999.
- Paul Baginski (Carnegie Mellon University), Kathryn McDonald (University of Oregon) and Lara Pudwell (Valparaiso University), *On Cross Numbers of Minimal Zero-Sequences in Certain Cyclic Groups*, 2001.
- Matt Holden (Pomona College) and Terri Moore (University of Washington), *Asymptotic Elasticity and the Full Elasticity Property in Atomic Monoids*, 2002.
- Melissa Banister (Harvey Mudd College), Jonathan Chaika (University of Iowa) and William Meyerson (Harvard University), *On the Arithmetic of Congruence Monoids*, 2003.
- Therese-Marie Landry (Brown University), *Delta Sets in the Block Monoid $\mathcal{B}((\mathbb{Z}_2)^4)$* , 2003.
- Craig Bowles (Cornell University), Nathan Kaplan (Princeton University) and Daniel Reiser (New Mexico State University), *Delta Sets of Numerical Monoids*, 2004.
- Christopher Crutchfield (University of California at Berkeley), Grace Kennedy (University of the South) and Matthew Wright (Carnegie Mellon University), *Factorization and Elasticity with Applications to Rings of the form $K[x; S]$ and $K[[x; S]]$* , 2005.
- Ross Kravitz (Williams College), Tori Noquez (Carnegie Mellon University) and Tia Sondjaja (Harvey Mudd College), *Strongly taut restricted block monoids over \mathbb{Z}* , 2006.
- Natalie Hine (College of New Jersey) and João Pxião (Virginia Tech University), *Length sets and \mathcal{V} sets of numerical monoids*, 2006.
- Jessica Bauman (Tufts University), *On factorization properties of semi-regular congruence monoids*, 2006.
- George Schaeffer (Carnegie Mellon University), *On the Δ -set of a singular ACM*, 2006.
- Tyler Lemburg (University of Nebraska at Lincoln), Andrew Niles (University of Rochester) and Christina Zlogar (Cornell University), *Shifts of generators and delta sets of numerical monoids*, 2007.

- Jay Daigle (Pomona College) and Rolf Hoyer (Grinnell College), *Factoring with non-minimal generating sets in commutative cancellative atomic monoids*, 2007.
- Desmond Torkorno (University of Richmond), Jay Daigle (Pomona College) and Rolf Hoyer (Grinnell College), *The ω -measure of primality in numerical monoids*, 2007.
- Yiwei She (Northwestern University) and Ryan Rodriguez (Texas A&M), *On factorization in $\mathcal{B}(\mathbb{Z}, S)$* , 2008.
- Christin Bibby (University of Northern Arizona), Caitlin Levenson (Wellesley College) and Anton Malyshev (Princeton), *Determining delta sets of numerical monoids*, 2008.
- Patrick Cesarz (Villanova), *Non-unique factorization properties of algebraic semirings*, 2008.

Sam Houston State University (funded by a Sam Houston State Research Enhancement Grant).

- Kathleen Shour and Walter Puckett, *On the omega values of generators of embedding dimension three numerical monoids generated by an interval*, 2013.

Sam Houston State University/University of Hawaii at Hilo PURE REU in Mathematics.

- Theo McKenzie (Harvard University) and Sherilyn Tamagawa (Scripps College), *Exploring the catenary degree of singular arithmetical congruence monoids*, 2013.
- Emelie Curl (Bryn Mawr College), Staci Gleen (Langston University), and Katrina Quinata (University of Guam), *How far is a Chicken McNugget from being prime?*, 2013.
- Ashlee Kalauli (University of Hawaii-Hilo), Aleesha Moran (McKendree University), and Jason Haarmann (Eastern Illinois University), *Leamer Monoids and a special case of the Hueneke-Wiegand Conjecture*, 2013.
- Marly Corrales-Marcos (University of Southern California), Andrew Miller (Amherst College), Christopher Miller (University of Wisconsin at Madison), and Dhir Patel (Rutgers University), *The catenary degree of elements in numerical semigroups*, 2013.
- Felix Gotti (University of Florida), *Sub-Deltas of $\mathcal{B}(\mathbb{Z}_n)$* , 2013.

Sam Houston State University REU in Mathematics.

- Zack Tripp (Tufts University), *Measuring primality in numerical semigroups with embedding dimension three*, 2014.
- Loren Anderson (North Dakota State University), *Maximal bullets of the generators of a 3-generated monoid where $\omega(n_1) > \omega(n_2)$* , 2014.
- Bruce Zheng (Texas A& M University), *Omega primality and length sets of arithmetic congruence monoids*, 2014.
- Monica Gorman (Notre Dame University), *Embedding dimension five monoids generated by an arithmetic sequence*, 2014.
- Jillian Parker (Sam Houston State University), *Determining omega values and bullets of a numerical monoid generated by a generalized arithmetic sequence in embedding dimension n* , 2014.

REFEREED PUBLICATIONS

(*Asterisks denote undergraduate co-authors)

- [1] "Integer-valued polynomials and almost division algorithms," *J. Nat. Sci. Math.* **28**(1988), 239-256.
- [2] "On a characterization of algebraic number fields of class number less than three," (with W.W. Smith) *J. Algebra* **135**(1990), 361-366.

- [3] “Factorization in Dedekind domains with finite class group,” (with W.W. Smith) *Israel J. Math.* **71**(1990), 65-95.
- [4] “Characterizing strong two-generators in $K[x^2, x^3]$,” *Houston J. Math.* **16**(1990), 217-229.
- [5] “A Theorem on generating ideals in certain semigroup rings,” (with N. Vaughan) *Boll. U.M.I.* **5-A**(1991), 41-49.
- [6] “On the HFD, CHFD, and k-HFD properties in Dedekind domains,” (with W.W. Smith) *Comm. Algebra* **20**(1992), 1955-1987.
- [7] “A simple example of non-unique factorization in integral domains,” *Amer. Math. Monthly* **99**(1992), 943-945.
- [8] “On the k-HFD property in Dedekind domains with small classgroup,” (with W.W. Smith) *Mathematika* **39**(1992), 330-340.
- [9] “Rational elasticity of factorizations in Krull domains,” (with D.D. Anderson, D.F. Anderson, and W.W. Smith) *Proc. Amer. Math. Soc.* **117**(1993), 37-43.
- [10] “On the lengths of factorizations of elements in an algebraic number ring,” (with W.W. Smith) *J. Number Theory* **43**(1993), 24-30.
- [11] “An analysis using the Zaks-Skula constant of element factorizations in Dedekind domains,” (with W.W. Smith) *J. Algebra* **159**(1993), 176-190.
- [12] “Factorization in $K[x^2, x^3]$,” (with D.F. Anderson, F. Inman*, and W.W. Smith) *Arch. Math. (Basel)* **61**(1993), 521-528.
- [13] “Some factorization properties of Krull domains with infinite cyclic divisor class group,” (with D.F. Anderson and W.W. Smith) *J. Pure Appl. Algebra* **96**(1994), 97-112.
- [14] “Overrings of half-factorial domains,” (with D.F. Anderson and W.W. Smith) *Can. Math. Bull.* **37**(1994), 437-442.
- [15] “On Krull half-factorial domains with infinite cyclic divisor class group,” (with D.F. Anderson and W.W. Smith) *Houston J. Math.* **20**(1994), 561-570.
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COURSES TAUGHT

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