Vita for Allan C. Peterson:

Teaching Awards:

1. Distinguished Teaching Award, UNL, 1983
2. Received a 1991 Recognition Award for Contributions to Students.
3. Received a 1992 Recognition Award for Contributions to Students.
4. Nominated for a 1995 KFOR "Thank You Teacher" Award.
5. Received a 1996 Recognition Award for Contributions to Students.
6. Nominated for a 1996 ASUN Outstanding Teacher of the Year Award.
7. Received a 1998 Recognition Award for Contributions to Students.
8. Received a 2000 Recognition Award for Contributions to Students.
9. Received a Spring 2000 Professor Pizzaz Teaching Award.
10. Received a 2001 Certificate of Appreciation from the McNair Project.
11. Received a 2001 MAA Nebraska - Southeast South Dakota Section Award for distinguished college or university teaching of mathematics in recognition of extraordinarily successful teaching.
12. Invited to 2002 Professor Pizzazz dinner, April, 2002.

Recent Grants :

1. $116,000 NSF Grant (with L. Erbe), 2000-2004.
2. Received a NSF REU Supplement grant (with Lynn Erbe) 2001: $9,200
3. Received a NSF REU Supplement Grant (with Lynn Erbe) 2002-3: $9,200
4. Received a 2002-3 Georgia-United States Bilateral Grant with V. Lakshmikatham, R. Agarwal, L. Erbe, and I. Kiguradze.
5. Very active in two huge NSF REU cite grants in the department. From 2002-2004 the grant was for $\$147,154$ and from 2004-2007 the grant is for $\$223,987$.
6. Ran the KRA part of the $2,500,000 "Mentoring Through Critical Transition Points".
7. I am presently in charge of the Academic Job Search Workshop (ATSW) workshop which is part of the $2,500,000 NSF grant "Mentoring Through Critical Transition Points".
8. Received a Raybould Fellowship from the University of Queensland.

9. I have been a main contributor for the two large NSF REU (Research Experience for Undergraduate) grants that our department received. These grants were for $\$147,154$ for 2002-2004 and $\$223,987$ for 2004-2007. In particular I have had 18 REU students and one McNair student. They have published 6 research papers and the group I had this summer will soon submit their paper.

Honors:

1. Centennial 100 Alumni Award Winner, April, 1985: The South Dakota School of Mines selected me as one of 100 graduates of that school for this award. "The concept of the award is to recognize 100 of the outstanding graduates of that school on the occasion of the schools centennial. The criterion of the award is for outstanding accomplishments in the individual's chosen field."

2. Received a Certificate of Appreciation from the United States Department of Education for reviewing applications for Graduate Assistance in the areas of National Need Program.

3. My paper 80 was the number one rated paper in the Journal of Computational and Applied Mathematics for three straight years. This paper was also rated the third best paper by Elsevier in the broad area of Applied Mathematics in 2004.

4. I was featured in a cover story entitled "Messy World" in New Scientist, July 19, 2003.

5. I was invited to become a member of the Analysis Academy of Science.

6. One of two plenary speakers at 1997 University of Wyoming Rocky Mountain Mathematics Summer Consortium Summer Conference, Difference Equations and Their Appl., July, 1997. Attended by over 50 mathematicians from around the world.

7. One of the two main speakers at the University of Wyoming Rocky Mountain Mathematics Consortium Summer Conference, Dynamic Equations on Time Scales and Their Appl. July, 2002. Gave ten 75 minute talks at this conference. Attended by over 55 mathematicians from around the world. At this time it was the largest of any of the University of Wyoming Rocky Mountain Mathematics Consortium Summer Conferences.

8. Several 2003 issues of the Journal of Difference Equations and Appl. were dedicated to me.

9. I was the quest editor for two journal issues.

Committee Assignments (last 15 years): Departmental:
1988- Graduate Advisory Committee
1986-87 Search Committee - Chairman
1987-88 Pi Mu Epsilon Committee

1987-89 Executive Committee
1986-88 Distinguish Teacher Award Committee
1988-91 Curriculum Committee
1987-88 Search Committee for new Chairman of our Department
1988-89 Search Committee for new position
1989- Alumni Relations Committee (Chairman)
1990-92 Executive Committee
1991 Calculus Textbook Committee (Chairman)
1990- Distinguished Teacher Award Committee
1992-93 Hiring Committee for Applied Math Position
1993-95 Executive Committee
1998 -00 Executive Committee
2000 - Present UNL Math Department MAA liaison
1998 - Newsletter Committee
2002 Calculus book committtee.
2003 Committee to hire Chairman for Math. Dept.
2003- present Regional Workshop Committee
1988- Present Graduate Advisory Committee
2003-present Teaching Advising Committee
2003- REU Site Steering Committee
2004- REU Site Steering Committee
2005- REU Site Steering Committee
Math representative to Chi Epsilon (gave two two hour review sessions each year for last four years).

Campus: 1987-90 Search Committee for Chairman of Engineering Mechanics
1997-present Barry Goldwater Scholarship Committee

University-Wide: 1984-87 Executive Graduate Committee

Off Campus:

1. 2001-present On International Board of Directors of the ISDE (International Society of Difference Equations)
2. Math. Association of American Liaison for UNL Math. Dept.
3. Member of the MAA CUMP Subcommittee on Undergraduate Research in Mathematics

REU and McNair Students:

1. John Bullock 2001 Concordia College-MN (with Lynn Erbe)
2. HoaiNam Tran 2001 UNL (with Lynn Erbe),
3. Raegan Higgins 2001 Xavier College (with Lynn Erbe),
4. Nathan Pennington 2002 Oklahoma State University,
5. Stella Huff 2002 Concordia College, Nebraska,

6. Gbenga Olumolade 2002 Central Michigan University,
7. Justin DeVries 2002-3 UNL, (with Lynn Erbe),
8. Andy Hulme 2002-3 UNL (with Lynn Erbe)
9. Scott Tam 2003 Georgia Southern U.
10. Evan Merrell 2003 Truman State University,
11. Jannae Severs 2003 Creighton University,
12. Rachel Ruger 2003 Linfield College
13. Aaron Gray 2004 University of Minnesota
14. David Lovit 2004 Swarthmore College
15. Steven Spriggs 2004 Shawnee State University
16. Brian Johnson 2005 North Dakota State University
17. Scott Meckler 2005 SUNY at Genesco
18. Brittany Bannish 2005 Mount Holyoke
19. Stephen Avsec 2005 Princeton University

Ph.D. Students:

1. James Spencer 1973 (UNL) Louisiana Tech (1973-89), University of South Carolina-Spartanburg (1989-)
2. Dwight Sukup 1974 (UNL) Univ. of South Dakota (1974-80), Texaco (1980-)
3. Darrel Hankerson 1986 (UNL) Auburn University (1986-)
4. Jerry Diaz 1989 (UNL) Air Force Academy (1989-94), Pentagon (1994-), Air Force Academy (1999-)
5. Tim Peil 1990 (UNL) Moorhead State University (1990-)
6. John Schneider 1992 (UNL) Hastings College (1993-)
7. Betty Harmsen 1995 (UNL) University of Nebraska-Omaha (1995-96), Northwest Missouri State University (1996-1997) Dana College (1998-2000) retired.
8. Ferhan Atici 1995 (UNL) University of Nebraska-Lincoln (1995-1996), University of Ege (1996-2001), University of Western Kentucky (2001-)
9. Mike Morelli 1996 (UNL) Central Michigan University (1996-1997), University of Wisconsin-Stout (1998-99), Lockhead (1999-)
10. Doug Anderson 1997 (UNL) Concordia College (1997-)

11. Richard Avery 1997 (UNL) Utah State University (1997-98), Dakota State University (1998-)

12. Robert Krueger 1998 (UNL) Coe College (1998-2000), Concordia College-St. Paul (2000-)

13. Elvan Akin 2000 (UNL) Kocaeli University, Izmit, Turkey 2001-2002 University of Missouri-Rolla (2003-)

14. Joan Hoffacker 2001 (UNL) PostDoc at University of Georgia - Athens, Clemson University 2004-

15. Kirsten Messer 2003 (UNL), Defense Intelligence Agency 2003-

16. Jennifer Langdon (joint with Lynn Erbe) 2005 (UNL) Lagrange University

.

Present Ph.D. Students:

1. Jacob Weiss (with Lynn Erbe)

2. Bobbi Buchholz (with Lynn Erbe)

3. Heidi Feller (with Lynn Erbe)

4. Raegan Higgins (with Lynn Erbe)

Professional Society Memberships:

1. American Mathematical Society

2. Mathematical Association of America

Talks presented since 1988:

1. Paper presented at International Conference on Theory and Appl. of Differential Equations, Columbus, Ohio, March, 1989.

2. Talk given at regional meeting of Mathematical Association of America, Kearney, Nebraska, April, 1988.

3. A. D. Clarence Karcher Lecture in Mathematics given at the University of Oklahoma, May, 1988.

4. Paper presented at the Geoffrey J. Butler Memorial Conference on Differential Equations and Population Biology, Alberta, Canada, June, 1988.

5. Paper presented at the XVII Annual Midwest Differential Equations Conference, Iowa State University, October, 1988.

6. Paper presented at 9th Annual Meeting of the American Math. Soc., Phoenix, Arizona, January, 1989.

7. Colloquium address at Auburn University, March 1989.

8. Paper presented at Conference on Differential Equations: Stability and Control, Colorado College, Colorado Springs, June, 1989.

9. Colloquium address at University of Nebraska-Omaha, October, 1989.

10. Main invited speaker at XVIII Annual Midwest Differential Equations Conference, University of Southern Illinois, November, 1989.

11. Invited speaker in special session on oscillation theory at 96th Annual Meeting of the American Math. Soc., Louisville, Kentucky, January, 1990.

12. Colloquium address at Utah State University, March, 1990.

13. Talk given at Missouri Western State College, April, 1990.

14. A. D. Clarence Karcher address given at the University of Oklahoma, May, 1990.

15. Paper presented at XIX Annual Midwest Differential Equations Conference, University of Mo-Rolla, October, 1990.

16. Paper presented at 96th annual meeting of the American Mathematical Society, San Francisco, January, 1991.

17. Paper presented at International Conference on the Theory and Appl. of Differential Equations, The University of Texas-Pan American, Edinburg, Texas, May, 1991.

18. Main invited speaker at Utah State University Miniconference on Differential Equations, Utah State University, Logan, Utah, May, 1991.

19. Paper presented at XX Annual Midwest Differential Equations Conference, University of Iowa, Iowa City, Iowa, December, 1991.

20. Classroom talk given at Moorhead State University, Moorhead, Minnesota, March, 1992.

21. Colloquium talk given at North Dakota State University, Fargo, North Dakota, March, 1992.

22. Colloquium talk given at Moorhead State University, Moorhead, Minnesota, March, 1992.

23. Paper presented at the Second Geoffrey J. Butler Memorial Conference on Differential Equations and Population Biology, Edmonton, Alberta, Canada, June, 1992.

24. Paper presented at World Congress of Nonlinear Analysis, Tampa, Florida, August, 1992.

25. Classroom talk given at the Air Force Academy, Colorado Springs, Colorado, October, 1992.

26. Colloquium talk given at the Air Force Academy, Colorado Springs, Colorado, October, 1992.

27. Paper presented at a regional meeting of the American Mathematical Society, Wright State University, Dayton, Ohio, October, 1992.

28. Paper presented in special session at the 99th annual meeting of the American Mathematical Society, San Antonio, TX, January, 1993.

29. Paper presented at XXII Annual Midwest Differential Equations Conference, University of Missouri - Columbia, MO, November, 1993.

30. Paper presented in special session at the 100th annual meeting of the American Mathematical Society, Cincinnati, OH, January, 1994.

31. Paper presented at First International Conference on Difference Equations, San Antonio, TX, May 1994.

32. Paper presented at XXIII Annual Midwest Differential Equations Conference, University of Oklahoma, October, 1994.

33. Paper presented in special session at the Annual Meeting of the American Mathematical Society, San Francisco, January, 1995.

34. Plenary talk given at Second International Conference on Difference Equations, Veszprem, Hungary, August, 1995.

35. Paper Presented at XXIV Annual Midwest Differential Equations Conference, University of Nebraska-Lincoln, October, 1995.

36. Paper presented at Annual Meeting of the American Mathematical Society, Orlando, Florida, January, 1996.

37. Paper presented at Regional Meeting of MAA at Louisiana State University, April 1996.

38. Paper presented at Annual Meeting of the American Mathematical Society, San Diego, CA, January, 1997.

39. One of two plenary speakers at Conference on Applied Mathematics at Central Oklahoma State University, February, 1997.

40. One of two plenary speakers at 1997 University of Wyoming Rocky Mountain Mathematics Summer Consortium Summer Conference, July, 1997.

41. Paper presented in special session at Annual Meeting of the American Mathematical Society in Baltimore, Maryland, January, 1998.

42. Colloquium talk given at Wake Forrest University, March, 1998.

43. Plenary talk given at Northwestern University, Orange City, Iowa, April, 1998.

44. Gave a talk in a special session at the Centennial Celebration, University of Nebraska-Lincoln, May, 1998.

45. Gave plenary talk at Fourth Annual Conference on Difference Equations, Pozan, Poland, August, 1998.

46. Paper presented in a regional conference of the AMS, Wake Forrest University, October, 1998.

47. Colloquium given at the University of Missouri-Rolla, November, 1998.

48. Paper presented in special session at Annual Joint Math Meeting of AMS and MAA, San Antonio, Texas, January, 1999.

49. Paper presented in special session at Regional Meeting of the AMS at Providence College, October, 1999.

50. Gave plenary talk at University of Nebraska-Lincoln Workshop for new graduate students, 1999.

51. Gave talk at meeting at Moorhouse University in Atlantic, Georgia, May, 1999.

52. Gave a talk at special session at Annual Meeting of the American Mathematical Society, Washington, DC, Jan., 2000.

53. Gave a talk in special session of AMS meeting at Notre Dame University, May, 2000.

54. Gave plenary talk (50 minutes) at Fargo Preconference Workshop on BVPs and Oscillation Theory for Differential Equations on Measure Chains, North Dakota State Univ., Fargo, ND, Oct. 19, 2000.

55. Gave an invited 25 minute talk at the Midwest Differential Equations Conference held at Concordia College, Morehead, MN, Oct. 21, 2000.

56. Gave a talk at the UNL Workshop for new graduate students, 2000.

57. Gave a talk in special session at Annual Meeting of the AMS, New Orleans, Jan. 2001.

58. Gave an invited talk in special session of AMS meeting in Chattanooga, TN., 2001

59. Gave an invited talk at University of Augsburg, Augsburg, Germany, 2001.

60. Gave a talk at the UNL Workshop for new graduate students, 2001.

61. Gave two colloquium talks at Tamkang University in Taiwan, 2001

62. Gave a colloquium talk at Tsin-Hua University in Taiwan, 2001.

63. Gave a one hour talk at a special session at the Joint Math Meetings in San Diego, Jan., 2002.

64. Gave a 20 minute talk at the Nebraska-Southeast South Dakota session of the MAA at Creighton University, April, 2002.

65. Gave two different talks in two different sessions at the Fourth International Conference on Dynamic Systems and Differential Equations, University of North Carolina–Wilmington, May, 2002.

66. Gave a talk and chaired a session at a regional conference of the AMS at Portland University, June, 2002.

67. One of the two main speakers at the University of Wyoming Rocky Mountain Mathematics Consortium Summer Conference, Dynamic Equations on Time Scales and Their Appl. July, 2002. Gave ten 75 minute talks at this conference.

68. Gave a plenary talk at a workshop on Dynamic Equations on Time Scales at the University of Dayton, October, 2002.

69. Gave a plenary talk in Bexbach, Germany, October, 2002.

70. Gave a special session talk at the Joint Math Meetings in Baltimore, January, 2003.

71. Gave a colloquium talk at Georgia Southern University, February, 2003.

72. Gave a colloquium talk at University of New South Wales, Sydney, Australia, May, 2003.

73. Gave a special session talk at the Joint Math Meetings in Phoenix, AZ, 2004

74. Gave a talk at conference at the University of Southern California, June, 2004.

75. Gave a colloquium talk at Northern Illinios University, 2004

76. Gave a colloquium research talk to graduate students at Northern Illinios University, 2004

77. Landscape Seminar talk given at UNL, September, 2004.

78. Colloquium talk at the University of Missouri-Kansas City October, 2004.

79. Contributed talk given Joint Mathematics Meeting in Atlanta, January, 2005.

80. One of seven people invited to give a plenary talk at the AbiTuMath in the Alps in Italy. This is a mentoring session for some of the best high school students in Germany, March, 2005.

81. Talk given at conference at Western Kentucky University, 2005

82. Landscape Seminar talk given at UNL, September, 2005.

83. Colloquium talk given at the University of Queensland, May, 2005.

84. Colloquium talk given at University of New South Wales, May, 2005.

Member of the Editorial Boards for the following Journals:

1. Journal of Mathematical Analysis and Applications

2. Journal of Difference Equations and Applications

3. International Journal on Non-Linear Differential Equations: Theory-Methods and Appl.
4. Journal of Spectral Mathematics and its Applications
5. International Journal of Applied Mathematical Sciences (IJAMS)
6. Global Journal of Pure and Applied Mathematics (GJPAM)
7. International Journal of Theoretical and Applied Mathematics (IJTAM)
8. PanAmerican Mathematical Journal
9. Mathematical Sciences Research Hotline

Publications:

1. Distribution of zeros of solutions of a fourth order differential equation, Pac. J. Math., 30 (1969), 751–764.
2. A theorem of Aliev, Proc. of the American Math Society, 23 (1969), 364–366.
3. The distribution of zeros of extremal solutions of a fourth order differential equation for the nth conjugate point, Journal of Differential Equations, 8 (1970), 502–511.
4. On the ordering of multi-point boundary value functions, Canadian Mathematics Bulletin, 13 (1970), 507–513.
5. On the monotone nature of boundary value functions for nth order differential equations, Canadian Mathematics Bulletin, 15 (1972), 253–258.
6. On the sign of the Green's functions beyond the interval of disconjugacy Rocky Mountain Journal of Mathematics, 3 (1973), 41–51.
7. On a relation between a theorem of Hartman and a theorem of Sherman, Canadian Mathematics Bulletin, 16 (1973), 275–281.
8. Comparison theorems for boundary value problems, Journal of Mathematical Analysis and Appl., 52 (1975), 573–582.
9. With D. Sukup, On the first conjugate point function for nonlinear differential equations, Canadian Mathematics Bulletin, 18 (1975), 577–585.
10. On the sign of Green's functions, Journal of Differential Equations, 21 (1976), 167–178.
11. Comparison theorems and existence theorems for ordinary differential equations, Journal of Mathematical Analysis and Appl., 55 (1976), 773–784.
12. An expression for the first conjugate point for nth order nonlinear differential equations, Proceedings of the American Mathematical Society, 61 (1976), 300–304.

13. Existence-uniqueness for two-point boundary value problems for nth order nonlinear differential equations, Rocky Mountain Journal of Mathematics, 7 (1977), 103–109.

14. Existence-uniqueness for ordinary differential equations, Journal of Mathematical Analysis and Appl., 64 (1978), 166–172.

15. Green's functions for focal type boundary value problems, Rocky Mountain Journal of Mathematics, 9 (1979), 721–732.

16. Focal Green's functions for fourth order differential equations, Journal of Mathematical Analysis and Appl., 75 (1980), 602–610.

17. Existence-uniqueness for focal-point boundary value problems, SIAM Journal on Mathematical Analysis, 12 (1981), 173–185.

18. A disfocality function for a nonlinear ordinary differential equation, Rocky Mountain Journal of Mathematics, 12 (1982), 741–752.

19. Boundary value problems for an n-th order linear difference equation, SIAM Journal on Math Analysis, 15 (1984), 124–132.

20. Boundary value problems and Green's functions for linear difference equations, Proceedings of the Twelfth and Thirteenth Midwest Differential Equations, Conference on Differential and Integral Equations (1985), 79-100.

21. On (k,n-k) disconjugacy for linear difference equations, Qualitative Properties of Differential Equations, Proceedings of the 1984 Edmonton Conference, Edited by W. Allegretto and G.J. Butler (1986), 329-337. (Refereed)

22. Green's functions for (k,n-k)-boundary value problems for linear difference equations, Journal of Math. Analysis and Appl., 124 (1987), 127–138.

23. Existence and uniqueness theorems for nonlinear difference equations, Journal of Math. Analysis and AppIications, 125 (1987), 185–191.

24. With D. Hankerson, On a theorem of Elias for difference equations, Marcel Dekker, Lecture Notes in Pure and Applied Mathematics 109, Nonlinear Analysis and Appl., (1987), 229–234.

25. With D. Hankerson, A classification of the solutions of a difference equation according to their behavior at infinity, Journal of Mathematical Analysis and Appl., 136 (1988) , 249–266.

26. A comparison theorem for linear difference equations, Proceedings of the International Symposium on NonLinear Analysis and Appl. to Biomathematics, Edited by K.N. Marty and J. Gopalakrishna, Section-II, (1988), 12–18. (Refereed)

27. With D. Hankerson, Comparison of eigenvalues for focal point problems for nth order difference equations, Differential and Integral Eguations, An International Journal for Theory and Appl., 3 (1990), 363–380.

28. With D. Hankerson, Comparison theorems for eigenvalue problems for nth order differential equations, Proceedings of the American Mathematical Society, 104 (1988), 1204–1211.

29. With S. Elaydi, Stability of difference equations, Proceedings of the International Conference on Theory and Appl. of Differential Equations, Edited by R. Aftabizadeh, Ohio University Press I (1989), 235–238. (Refereed).

30. With D. Hankerson, Extremal solutions of an nth order difference equation, Proceedings of the International Conference on Theory and Appl. of Differential Equations, Edited by R. Aftabizadeh, Ohio University Press 1, (1989), 417–422. (Refereed).

31. With D. Hankerson, Positive solutions of a boundary value problem, Rocky Mountain Journal of Mathematics, 20 (1990), 997–1002.

32. With D. Hankerson, A positivity result applied to difference equations, Journal of Approximation Theory, 59 (1989), 76–86.

33. With J. Ridenhour, Atkinson's superlinear oscillation theorem for matrix difference equations, SIAM Journal on Math. Analysis, 22 (1991), 1–11.

34. With J. Ridenhour, Disconjugacy for a second order system of difference equations, Differential Equations: Stability and Control, Marcel Dekker, (1990), 423–429.

35. With J. Ridenhour, Oscillation of second order matrix difference equations, Journal of Diff. Eqs., 89 (1991), 69–88.

36. With J. Ridenhour, Oscillation theorems for second order scalar difference equations, Differential Equations: Stability and Control, Marcel Dekker, (1990), 417–424.

37. With J. Ridenhour, Comparison theorems for Green's functions for focal boundary value problems, Recent Trends in Ordinary Differential Equations, Edited by R. P. Agarwal, WSSIAA, I (1992), 493–506.

38. With T. Peil, Criteria for C-disfocality of a self-adjoint vector difference equation, Journal of Mathematical Analysis and Appl., 179 (1993), 512–524.

39. With J. Ridenhour, A disconjugacy criterion of W.T. Reid for matrix difference equations, Proceedings of the American Math Society, 114 (1992), 459–468.

40. With Walter Kelley, Difference Eguations: An Introduction with Appl., Academic Press, 1991.

41. Green's matrices and disconjugacy of a vector difference equation, in Ordinary and Delay Differential Equations, Joseph Wiener and Jack K. Hale (Editors), Pitman Research Notes in Mathematics Series, 272 (1992), 166–180.

42. C-disfocality for linear Hamiltonian difference systems, Journal of Differential Equations, 110 (1994), 53–66.

43. With T. Peil, Asymptotic behavior of solutions of a two term difference equation, Rocky Mountain Journal of Mathematics, 24 (1994), 233–252.

44. With T. Peil A theorem of Milloux for difference equations, Rocky Mountain Journal of Mathematics, 24 (1994), 253–260.

45. With J. Schneider, The Cauchy function for nth order difference equations, Rocky Mountain Journal of Mathematics, 25 (1995), 441–457.

46. With J. Schneider, Comparison theorems for a difference equation with memory. World Congress of Nonlinear Analysts 1992, Walter de Gruyter (1996), 1173–1180.

47. With J. Henderson, Properties of delay variation in solutions of delay difference equations, An Internationally Quarterly Journal on Non-Linear Differential Equations, Theory-Methods and Appl., 1 (1995), 29–37.

48. With J. Henderson, Disconjugacy for a third order linear difference equation, Advances in Difference Equations, Computers Math. Applic., 28 (1994), 131–139.

49. With C. Ahlbrandt, The (n,n) - disconjugacy of a 2n-th order linear difference equation, Advances in Difference Equations, Computers Math. Applic., 28 (1994), 1–9.

50. With J. Diaz, Comparison theorems for a right disfocal eigenvalue problem, Inequalities and Appl., Editor: R. Agarwal, WSSIAA, 3 (1994), 149–177.

51. With J. Ridenhour, A disfocality criterion for an nth order difference equation, Proceedings of the first international conference on difference equations, Gordon and Breach Publishers, (1995), 411–418.

52. With J. Ridenhour, The (2,2)-disconjugacy of a fourth order difference equation, Journal of Difference Equations and Appl., 1 (1995), 87–93.

53. Proceedings of the First International Conference on Difference Equations, San Antonio, TX, 1994, Gordon and Breach Publishers, Editors: S. Elaydi, J. Graef, G. Ladas, and A. Peterson, 1995.

54. Sturmian theory and oscillation of a third order linear difference equation, Boundary Value Problems for Functional Differential Equations, Editor: Johnny Henderson, World Scientific Publishing Co., (1995), 261–267.

55. With J. Henderson, Boundary value problems for functional difference equations, Journal Applied Mathematics Letters, 9 (1996), 57–61.

56. With F. Atici, Bounds for positive solutions for a focal boundary value problem, Advances in Difference Equations II, Computers and Mathematics with Appl., 36 (1998), 99–107.

57. With F. Atici, Inequality for a 2n-th order difference equation, PanAmerican Mathematical Journal, 6 (1996), 41–49.

58. With C. Ahlbrandt, Discrete Hamiltonian Systems: Difference Equations, Continued Fractions, and Riccati Equations, Kluwer Academic Publishers Boston, 1996.

59. With C. Ahlbrandt, A general reduction of order theorem for discrete linear symplectic systems, Discrete and Continuous Dynamical Systems 1, (1998), 7–18.

60. A quadratic functional for a third order linear difference equation, Journal of Difference Equations and Appl. 3, (1998), 463-472.

61. Discrete Hamiltonian Systems, Proceedings of the Thirteen Annual Conference on Applied Mathematics (refereed), University of Central Oklahoma, (1997), 291–296.

62. With D. Anderson and R. Avery, Three positive solutions to a discrete focal boundary value problem, Journal of Computational and Applied Mathematics, 88 (1998), 103–118.

63. With R. Avery, Multiple positive solutions of a discrete second order conjugate problem PanAmerican Mathematical Journal, 8 (1998), 1–12.

64. With L. Erbe, Green's functions and comparison theorems for differential equations on measure chains, Dynamics of Continuous , Discrete and Impulsive Systems, 6 (1999), 121–137.

65. With L. Erbe, Positive solutions for a nonlinear differential equation on a measure chain, Mathematical and Computer Modeling, 32 (2000), 571–585.

66. With L. Erbe, Boundary Value Problems and Related Topics, Mathematical and Computer Modeling, Guest Editors, 32 (2000).

67. With L. Erbe, (Preface: Dedication to Lloyd Jackson), Boundary Value Problems and Related Topics, Edited by L. Erbe and A. Peterson, Mathematical and Computer Modeling, 32 (2000), xiii–xiv.

68. With C. Ahlbrandt, R. Agarwal, and M. Bohner, Discrete linear Hamiltonian systems: a survey, Dynamical Systems and Application, Dynamical Systems and Appl., 8 (1999), 307–333.

69. With D. Anderson, Asymptotic properties of solutions of a 2n-th order differential equation on a time scale, Mathematical and Computer Modeling, 32 (2000), 653–660.

70. With M. Morelli, A third order differential equation on a time scale, Mathematical and Computer Modeling, 32 (2000), 565–570.

71. With L. Erbe, Eigenvalue conditions and positive solutions, Journal of Difference Equations and Appl., Journal of Difference Equations and Appl., 6 (2000), 165–191.

72. With L. Erbe and R. Mathsen, Factoring linear differential operations on measure chains, Journal of Inequalities and Appl., 6 (2001) 287–303.

73. With L. Erbe and R. Mathsen, Existence, multiplicity, and nonexistence of positive solutions to a differential equation on a measure chain, Journal of Computational and Applied Mathematics, 113 (2000), 365–380.

74. With L. Erbe, Riccati equations on a measure chain, Dynamical Systems and Appl., Proceedings of Dynamical Systems and Appl., 3 (2001), 193–200.

75. With R. Avery, Three positive fixed points of nonlinear operators on ordered Banach spaces, Computers and Mathematics with Appl., 42 (2001), 313–322.

76. With L. Erbe, Oscillation criteria for second order matrix dynamic equations on a time scale. Journal of Computational and Applied Mathematics, 141 (2002), 169–186.

77. With W. Kelley, Difference Equations: An Introduction with Appl., Harcourt-Academic Press, Second Edition, 2001.

78. With M. Bohner, A Survey of exponential functions on time scales, Rev. Cubo Matematica Educacional, 3 (2001), 285–301.

79. With M. Bohner, First and second order linear dynamic equations on time scales, Journal of Difference Equations and Appl., 7 (2001), 767–792.

80. With R. Agarwal, M. Bohner, and D. O'Regan, Dynamic equations on time scales: A survey, Journal of Computational and Applied Mathematics, 141 (2002), 1–26. (See also ULMER SEMINARE 2000, Funktionalanalysis and Differentialgleichumgen, Heft, 5 (2000), 1–35).

81. With M. Bohner, Laplace transform and z-transform: Unification and extension, Methods and Appl. of Analysis, 9 (2002), 151–158. (See also ULMER SEMINARE 2001, Funktionalanalysis and Differentialgleichumgen, Heft 6, 69–75).

82. With E. Akin, L. Erbe, and B. Kaymakalan, Oscillation results for a dynamic equation on a time scale, Journal Methods and Appl. of Analysis, 7 (2001), 793–810.

83. With L. Erbe, Averaging techniques for self-adjoint matrix equations on a measure chain, Journal of Mathematical Analysis and Appl., 271 (2002), 31–58.

84. With M. Bohner, Dynamic Equations on Time Scales, Birhauser, Boston, 2001.

85. With R.P. Agarwal and M. Bohner, Inequalities on time scales, a survey, Mathematical Inequalities and Appl., 4 (2001), 535–557.

86. Preface: Dedication to Calvin Ahlbrandt, Journal of Difference Equations and Appl., 7 (2001), 763–766.

87. Journal of Difference Equations and Appl., Guest Editor, 7 (2001).

88. With E. Akin, M Bohner, L. Erbe, Existence of bounded solutions for second order dynamic equations, Journal of Difference Equations with Appl., 8 (2002), 389–401.

89. With R. Higgins, Cauchy functions and Taylor's formula for time scales, Proceedings of the 6th ICDEA in Augsburg, Germany, 2001, New Progress in Difference Equations, Edited by B. Aulbach, S. Elaydi, and G. Ladas, Journal of Difference Equations and Appl., (2003) 299–308.

90. With D. Anderson, J. Bullock, L. Erbe, and H. Tran, Nabla dynamic equations on time scales, (see also Chapter 3 of book, Advances in Dynamic Equations on Time Scales, Birkhauser, 2002) PanAmerican Journal, 13 (2003), 1–47.

91. Preface: Dedication to L. Erbe, J. Difference Equations and Appl., 8 (2002), 293–294.

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