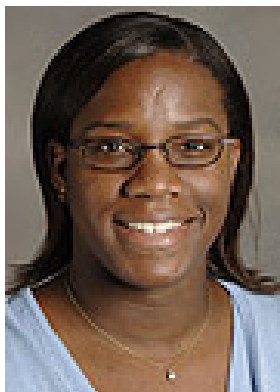


# Math Musings

*The Newsletter of  
the Elon Math  
Department  
Volume 10  
June 2006*

## NEW FOCUS ON STATISTICS DELPISH AND MANCUSO JOIN DEPARTMENT

This year, the Math Department welcomed two new professors, Dr. Ayesha Delpish and Dr. Anthony Mancuso, both with backgrounds in statistics. They will lead the way in establishing a new minor in statistics and a new concentration for the major.



Ayesha was born and raised in Trinidad. Beginning at age 9, she went to a boarding convent school in her local town. Even though English is spoken in Trinidad, she began learning Spanish at age 6. She also dreamed of being an opera singer and participated in opera competitions. When was 11 or 12, she made a poor score on a math test, and her male teacher told her that it was OK because “girls are always bad at math.” The following year, a female teacher inspired her, by organizing the material and explaining everything in a way that made sense. Ayesha says that she aspires to teach in the same manner. She was a top math student in high school and won a full scholarship to Mount St. Marys College where she received her bachelor’s degree in Spanish and mathematics. She earned her master’s and doctorate degrees in statistics from Florida State University. Wanting to find a small liberal arts school where teaching is valued, she says that Elon University seemed to be a perfect fit. She is a fan of everything British including British television comedies and mysteries. Next year she will serve as faculty member in residence in the International Pavilion where she and her husband Ritson will live with 24 students who are international students or international studies majors.



Anthony is no stranger to Elon. He taught economics and statistics in the Love School of Business in 2003-2004. He then worked for SAS Research Institute in Raleigh as a Statistical Service Specialist. He returns to Elon as a lecturer in the math department. Anthony received his bachelor’s degree in business administration from Appalachian State University. He earned a master’s in statistics and a doctorate in economics from North Carolina State University. He lives in Durham with his wife, Amanda, who works for a start-up company in the Research Triangle Park. They recently moved to a house with lots of land. In his spare time, he plays the drums with an independent rock band called the Junior Varsity Superheroes.

Plans are under way to implement a statistics minor in Fall 2007. The first new course for the minor is Math 212 (Statistics in Application), a general course which would follow Math 112, the general core course in elementary statistics taken by most freshmen. Math 212 is an ideal course for math education students who need preparation for teaching statistics in high school. One or two courses in statistics will be added each year to provide offerings for a statistics minor. Eventually six to seven courses will be offered, and students will be required to complete five courses for the minor, including Math 112 and Math 212. Courses under consideration include Design of Experiments, Sample Surveys, and Inference. Math 341 (Probability and Statistics), taken by math majors, will be restructured to remove the Math Reasoning prerequisite and may be split into two courses: Introduction to Applied Probability and Math Statistics. The statistics committee will also investigate the possibility of offering a concentration in statistics for math majors in the years to come.

## NEW BACHELOR OF ARTS IN MATHEMATICS

At the May faculty meeting a new Bachelor of Arts in mathematics degree was approved. The new degree will be implemented in the upcoming fall semester and is the culmination of more than three years of planning. The overall rationale was to provide students more flexibility in attaining a math major. The new BA will provide students in other disciplines, such as the sciences, full majors in mathematics which could reasonably be added to their existing majors. In addition, for the Teacher Licensure Concentration, the new degree is well-aligned with the set standards for secondary licensure in high school mathematics. The new degree will meet these standards. Students getting a BA in math would not be required to take Analysis or Senior Seminar. Since students take these courses in their junior and senior years, they do not have to make the decision about getting a BA or a BS until their final college years. With the new BA, they also can choose between physics or computer science. The new BA will make optional some of the courses which have been perceived as hurdles in the past, especially for those students who do not plan to go to graduate school.

## STUDENT HAPPENINGS

**Olivia Bolen '07**, **Patrick Davis '07** and **Kristin Souther '06** attended the MAA dinner at Wake Forest University. Olivia is president of Elon's NCCTM student chapter.

**Ann Gregson '06** and **Carissa Berglund '06** presented talks at the MAA regional conference in Alabama in March. Ann's talk was titled "Gambling it all Away." Carissa spoke on "Exploring the Outcomes of Placing an Inscribed Triangle."

The following seniors will attend graduate school this fall:

**David Runkle '06** - UNC-Chapel Hill

**Amber Gathje '06** - University of Wisconsin

**Ann Gregson '06** and **Carissa Berglund '06** will teach at Northwest Cabarrus High School in Cabarrus County this fall. Ann will also coach the swim team. **Laura Snipes '06** will teach in Wilkes County.

**David Runkle '06** was named the outstanding mathematics education student for the central region of the NCCTM in 2005. He also received the Arnold Strauch Award for the outstanding education major at Elon. A Fayetteville native, Runkle is a N.C. Teaching Fellow, Honors Fellow, and current president of the Elon University chapter of Pi Mu Epsilon Mathematics Honor Society. He was presented the Math Achievement Award from the math department.

**Matt Christian '07**, an Honors Fellow, has received a Research Experience for Undergraduates (REU) to study at Carnegie Mellon University this summer. He received the Service Award from the math department this spring.

The math department has five North Carolina Teaching Fellows: **Carissa Berglund '06**, **Mona Gore '06**, **Monica Phelps '06**, **David Runkle '06**, and **Laura Snipes '06**.

## JEFF CLARK RETURNS TO THE DEPARTMENT CHAIR'S POSITION

Dr. Jeff Clark assumed the chair position in May, succeeding Skip Allis who served in this role for six years. Jeff was previously department chair from 1994 until 2000. A Pennsylvania native, he joined the math faculty in 1988 after receiving a Ph.D. from Yale and working for a year for an investment bank in New York. His wife, Laura, is a clinical psychologist. His son, David, is in the third grade this year and in Cub Scouts. His daughter, Elizabeth, attends kindergarten. The Clarks live in Carrboro.



### GREETINGS FROM JEFF CLARK

I am excited to begin serving as department chair in the coming year. Our department members continue to provide the best math classes around for our students, and I'll be working to make sure that they have the resources they need to do so. If there's anything that you as alumni need from the department, please feel free to give me a call at (336) 278-6248 or send me an e-mail at [clarkj@elon.edu](mailto:clarkj@elon.edu).

### OUTGOING MESSAGE FROM SKIP ALLIS

Wow, it has already been six years since I became chair. In many ways it seems much shorter, but then I think about all that has changed. I have been lucky to have such a great group of people in the department, great faculty members and great students. On the faculty side, we changed the freshman core mathematics course, overhauled the BA in mathematics and hired some fantastic new faculty members. I would love to take credit for these, but I think I was just the lucky person in place when the ideas came up. The whole department was critical in each of these, but in particular, without Dr. Russell the General Statistics freshman core requirement would not have made it, without Dr. Clark's leadership and the work of Dr. Coles, Dr. Beuerle and Dr. Lee the new BA would not be where it is, and without Dr. Coles' work on the hiring committees, we would not have the new people we have. I thank all of them!

On the student side, we have had numerous students go to high caliber graduate schools to work on their master's and doctorate degrees. Ashley Trent, Jeanette Olli, Aja Johnson and David Runkle are just a few of those students. We have had numerous students who have made substantial differences in middle and high schools, including exceptional teachers like Julie Pelter, Kate Mansi, Raymond Singletary, Leanna Briles and Jen Davis to name just a few. We have also had students go on to successful careers in non-academic work. This would include students such as Justin Luckett, Cheryl Borden and Rose Cordero. I look back and am amazed at the students we have had. Again, I would love to take even a small amount of the credit for their success, but outside of their own hard work and perseverance, I would recognize Professor Richardson, Dr. Haworth, Dr. Lee, and Dr. Coles along with the rest of the department for their mentoring and support.

I want to thank all of you for making my job as chair fairly easy. It was not just a few times when I realized how lucky I was to be working with a group who worked so well together.

## NEWS FROM THE ALUMNI

**Jen Davis Regan '05** has been teaching at Hanahan High School in Charleston, South Carolina. She is moving to New Jersey with husband Brad this summer.

**Aja Johnson '05** is a recipient of an Andree Award for writing "Strategies of a Sequenced Game of Chance" which appeared in the Spring 2005 issue of the Pi Mu Epsilon Journal and was judged one of the best student-written articles to appear in the PME Journal in 2005. She is working on her master's degree at the University of Georgia.

**Briana Yoho '05** works for Pharmaceutical Product Development (PPD) in Wilmington, North Carolina, as a recruiter, which is a part of Human Resources. She eventually wants to pursue a career using her math degree. She will take the first actuarial exam in August.

**Cara McAllister '04** is teaching high school math at Mount Pleasant High School in Cabarrus County. She married Steve Ashby on December 29, 2005 in Charlotte. They live in Concord.

**Beth Sherriff '04** is currently teaching at Ragsdale High School. Last year while teaching there, she was a finalist for Guilford County's Rookie Teacher of the Year. She is engaged to Morris Johnson, who teaches in the classroom next door at Ragsdale. They announced their engagement in November to the great surprise of the faculty and students of the school. The wedding is set for September 30, 2006 in Salisbury, North Carolina.

**Kristin Yanulites '04** works for Computer Sciences Corporation in Arlington, Virginia, as the Financial and Budget Analyst for the Systems Engineering Directorate of the Missile Defense Agency. She began training for an Olympic Distance Triathlon in December 2005 and competed April in an international race named "Race of the Year" by USA Triathlon in Florida. She placed 44th out of 234 women in her division, completing the race in 3 hours and 14 minutes. She has raised more than \$3800 to benefit the Leukemia and Lymphoma Society as part of this adventure.

**Daisy Cunningham '03** finished her master's degree at Tulane University and moved just months before Hurricane Katrina hit. She is currently living in Lafayette, Louisiana teaching math at her former high school, the Episcopal School of Acadiana.

**Richard Dutton '03** is working toward his PhD in Algorithm Design and Analysis which is theoretical computer science, meaning that he gets to use math and do a lot of proofs. Beginning this summer, he will be a teaching associate, teaching a course as the actual instructor. He married Elise Hewett '02 in August 2005. She was a math minor (Computer Science major) during her time at Elon. She earned her MS in Computer Science and currently works for Symantec Corp. in Newport News, Virginia.

**Katie Iwancio Thompson '03** hopes to finish her Ph.D. degree in May 2008.

**Jeanette Olli '03** received her master's degree in Mathematics from UNC-Chapel Hill in December 2005. She is now working towards her Ph.D. at UNC-Chapel Hill.

**Leanna Briles Giles '02** is teaching 8<sup>th</sup> grade math and Algebra I at Turrentine Middle School in Burlington. She is currently serving as Vice-President of the Elon University Piedmont Triad Alumni Association.

**Jeff Gariepy '02** married Jessica Kimberly Van Derveer '02 in 2004. They are building a house in West End, North Carolina and hope to move this summer. He is a software developer for a number of small businesses, including a propane company, a tanning facility, an assisted living facility, and an authorized Verizon dealer with locations going up all over North Carolina. He is considered the head of IT for all of these companies, and his office is located in Biscoe, North Carolina.

**Nick Harrison '02** graduated from Penn State in 2006 with a master's degree in mathematics and will start working for Raytheon in Woburn, Massachusetts (just north of Boston) in July. He is now clear of cancer after a bout several years ago. He gets blood work and cat scans done every few months.

**Lora Taylor Abernathy '01** is teaching Algebra II and Advanced Functions at Piedmont High School in Union County. She and husband Paul live in Charlotte.

**Lyndsey Jessup Haywood '99** teaches algebra and calculus at East Surry High School, where she also is the junior varsity girls' basketball coach. On March 7, 2006, Troy Darrin Haywood was born, weighing 7 pounds, 4.5 ounces. He joins brother Jacob (3).

**Danny Modlin '98** graduated in May from UNC-Wilmington with an MS in Mathematics. His master's thesis was titled "Estimating Power Consumption." He was the founding secretary of the Math-Stat Club at UNC-Wilmington. He had a 4.0 GPA. In August, he will attend North Carolina State University to obtain both an MS and PhD in Statistics with a concentration in Industrial Statistics. NCSU will cover the full tuition and health insurance, plus a monthly stipend.

**Lisa Helms '93** is finishing her 11th year of teaching high school math. She is currently teaching AP Calculus, Algebra, and Geometry, and serves as math department chair at Sun Valley High School in Monroe, NC. She received National Board certification in 2001 and has served as an assessor for other National Board candidates. She was selected as Sun Valley's teacher of the year for 2004-2005 and was also named a Time/Warner Cable Star Teacher.

## NEWS FROM THE ALUMNI (continued from page 3)

**Karen Henderson Rhea '88** is teaching algebra and logic to 7th graders part time at Sandhills Classical Christian School in Southern Pines, North Carolina. She has two children Joshua, 10 and Kay Lauren 8.

**Jimmy Green '86** graduated from Covenant Theological Seminary in St. Louis, Missouri with a Masters of Divinity. He is currently serving in the pastoral ministry at Union Presbyterian Church in Salters, South Carolina, where he says he combines his divinity and mathematical training to prepare and preach logical sermons.

**Jackie Edwards Meyers '85** is pursuing a Masters in Education at the University of Tennessee at Chattanooga so that she can teach. She has three children, ages 6, 7 and 9.

**Lori Horton See '85** is Manager of IP Services Project Management for MCI. She has obtained her Master's Certificate in Project Management and is a Project Management Professional. She and her husband, Randy, live in Orlando, Florida with their two boys, Adam (10) and Austin (8).

**Mike Lowder '85** is the lead engineer in product management with General Dynamics Advanced Engineering Systems at Virginia Beach, Virginia. His daughter, Christina, just graduated Cum Laude from UNC-Greensboro's nursing program. She is working in the Neo Natal Intensive Care Unit at Children's Hospital of the King's Dominion in Norfolk, Virginia.

**Donna Phillips Shore '84** works as a pension analyst for SouthEastern Employee Benefit Services, Inc.

**Ralph O. Mueller '83** is the chair of the Department of Educational Leadership in the Graduate School of Education and Human Development at George Washington University.

**Tim Tally '83** completed his 23rd year of teaching Algebra 1 and 2 at Chatham Central High School. He is also the cross country and track coach. He has been married for 13 years to Janelle. They have a son, Grayson (9) and a daughter, Arden (6).

**Anne Selna '82** lives on a small five acre "farmette" in Lewisburg, Pennsylvania (the home of Bucknell University). She and her husband, Mark, have two children, Weston (12) and Elaine (10), a dog, a cat, two pygmy goats, and 31 chickens. Never having lived in a rural setting before, they are enjoying the beauty and peacefulness of the area. After leaving Elon, she worked as a Computer Programmer/Analyst and as a Business Analyst/IT Liaison for about 9 years for several companies in North Carolina. She married in 1991, moved to Denver, Colorado and continued working from home for GE Mortgage Insurance Company, located in Raleigh. In 1997 she and her family moved to Winston-Salem and she started working for her current employer, Republic Mortgage Insurance Corporation. She is working part-time for this company as a business analyst doing mostly requirements planning/documentation and unit testing. Recently she served as the Elon University delegate in the Inauguration Ceremony for the new president of Bucknell University.

**Jane Cooper Colson '80** worked at Duke Power doing programming, software evaluations, and computer consulting for 12 years and was promoted to "Mommy" in 1992. She has 3 children and has been home-schooling them forever. She says that none of her children like math, unfortunately. They can't believe that she did it for fun. She and her husband, David, have a 13 year old son who wants to be an engineer and is hoping to be an Eagle Scout, a 10 yr old son who has perfect pitch and plays the piano by ear, and an 8 year old competitive gymnast. In her spare time she creates monthly newsletters for her home-school group and gymnastics team.

**Steve Atkins '79** is the Vice President and Chief Academic Officer of Surry Community College in Dobson, North Carolina. He previously served as Dean of Arts and Science and mathematics instructor of the college. He received his Ph.D. degree from UNC-G. He lives in Mount Airy, North Carolina.

**Rachel Wagoner '78** plans to retire at the end of this school year after completing her 28<sup>th</sup> year as a math teacher at Cummings High School. She is married (almost 42 years) to L.E. Wagoner and they had two sons. Todd, an electrical engineer, and his wife Robin (an Elon graduate) have one child. Their other son, Mark, died in a plane crash in May 2003. Rachel has been a wonderful role model for future math teachers. We appreciate her dedication, commitment, and professionalism over the years.

**Bryant Ford '74** completed his MA in Mathematics Education from the University of North Carolina at Charlotte in 1986 and received National Board Certification in November 2001 in Adolescent and Young Adulthood Mathematics. He retired June 1, 2005 after 31 years of teaching mathematics and 19 years as department chairperson at West Montgomery High School in Mt. Gilead, North Carolina.

**Karen Melberg Smith '69** teaches at Simonsdale Elementary School in Portsmouth, Virginia.

**John Papa '69** received his master's degree at Montclair State College and continued his graduate work at Jersey City State College to earn certification in supervision and administration. He served as Mathematics supervisor for 10 years at Palisades Park Junior-Senior High School in Palisades Park, New Jersey and Director of Instruction K-12 for 4 years before being appointed Vice Principal. He served as an assistant principal in the school district for 12 years until his retirement in January 2005.

**Sherrill Hall '55** achieved the "very advanced" professional designation Fellow of the Society of Actuaries (FSA) in 1967. His actuarial career spanned over thirty years from Actuarial Trainee to Executive Vice President at an insurance company -- but only after a few years of professional baseball following graduation in 1955. In March of this year, after 35 years as a Trustee of Elon College and Elon University, he was named Trustee Emeritus.

## MEMORIES FROM OUR ALUMNI

I will always be grateful for the excellent education I received in math education at Elon. I am teaching logic this year, and I have remembered what a great logic teacher Bill Barbee was. Dr. Haworth was a super calculus teacher, and Janice Richardson taught me so much about teaching mathematics...**Karen Henderson Rhea '88**

The most memorable, and possibly unique, experience in my math course work was the oral comprehensive exam required of each math major in our senior year. Professor Jason Sox sat at a desk and tossed questions and problems, some requiring blackboard work, for seemingly several hours...**Sherill Hall '55**

One of my most vivid memories as a freshman was convincing Professor Barbee, by showing him my tests from high school (I have no idea why I brought them with me), that I did not need to take Calculus 1. He gave approval for me to advance to Calculus 2. During my junior year, I began tutoring at the LaRose Resource Center. I had already taken Calculus 2 and 3 and was unable to assist students in Calculus 1 for some reason (that is actually embarrassing to admit). So, then I needed approval to take Calculus 1 and 4 simultaneously, and Calculus 1 that semester was in the Honors track. It was hard to convince them to give me Honors credit for Calc 1 when I was also taking Calc 4, but they did.....**Shelly Stack Smith '88**

After leaving Elon, it was easy to see that the quality, dedication, and enthusiasm of the professors at Elon should not be taken for granted. Although the primary focus while in Elon math courses was obviously the course material, I think I learned just as many lessons about what it means to be a good professor.....**Richard Dutton '03**

## CRISTA COLES ARANGALA AND LISA BEUERLE ARE PROMOTED

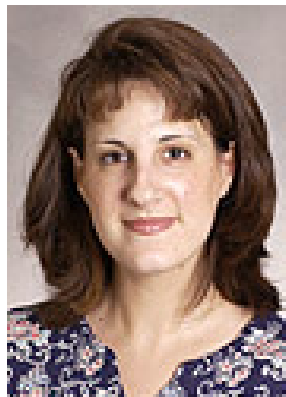
At the spring meeting of the Board of Trustees, Dr. Crista Coles Arangala was promoted to the rank of Associate Professor and was granted tenure. Lisa Beuerle was promoted to the position of Senior Lecturer.



Crista received her bachelor's degree from Allegheny College and her master's and doctorate from the University of Cincinnati. She has been at Elon since 2000 and has just completed her term as the A. L. Hook Emerging Scholar. She currently serves on the Faculty Research and Development Committee, the Honors Advisory committee and the Undergraduate Research Advisory Committee. Her article, "Parameter Estimation for a Drying System in a Porous Medium," has been accepted for publication in the journal, *Computer and Mathematics with Applications*. Last August she co-chaired a session called "Innovative Mathematics Majors in Small/Medium Department" at the MAA Math Fest. She lives in Durham with husband, Sanjay, and her two boys, Emil (3) and Chaythan (1).

For the past year Crista has worked with a physics professor, Martin Kamela, and students to make science exhibits for children in Sri Lanka. Her husband is a native of Sri Lanka and has a cousin who is principal of a school there. Crista and her family will travel to Sri Lanka this summer and show the exhibits to the school children there. The exhibits are geared to fourth through eighth grades. More exhibits will be constructed during the coming school year through Crista's global courses and the Physics Club. She, Dr. Kamela, and a group of students plan to take the exhibits to Sri Lanka during winter term 2008. She has received three internal grants to fund the project.

The Community Partnership Initiative Grant through the Kernodle Service Center will provide funds for building the exhibits through a partnership with the National Science Foundation in Sri Lanka. A grant of \$5000 from the Funds for Excellence, a program which promotes the values of the liberal arts and sciences, will pay for flights and materials. She also received a grant from the Elon Center for Teaching and Learning.



Lisa received her bachelor's, master's, and master's in teaching degrees from State University of New York at Binghamton, where she was a member of Phi Beta Kappa. She came to Elon in 2000, and she has taught primarily statistics and teacher education courses. She currently serves as the Chair of the Religious and Spiritual Life Committee, which was instrumental in bringing a part-time rabbi to campus this year. She gave a talk at the NCCTM conference in October titled "First Day Activities for Elementary Statistics Students." She is working to revamp Math 210 (Math for Elementary and Middle grades) to include more use of technology. Her husband, Jim, is an assistant professor in the math department. She has two children Lauren (4) and Rachel (1).

## BABIES, WEDDINGS, AND OTHER FAMILY NEWS



**Todd Lee** is a father! Delta Sophia Lee was born to Todd and Hollylynne on November 30 at 12:22 p.m. She weighed 8 pounds and 14 ounces and was 21 ¼ inches long. View many photos of Delta at <http://mathlove.smugmug.com/>. Todd and Delta are shown at left in their party hats at **Ellen Mir's** birthday party.

**Bill Barbee** visited the math department recently. He is living in Weaverville, North Carolina and is on the Board of Directors of the Weaverville Museum. His grandchildren live nearby and he tutors them in math. He also delivers Meals on Wheels.

**Jan Mays'** daughter, Charlotte, was married last June and is living in Raleigh. Her daughter, Emily, graduated from UNC-CH with a degree in French. She was a North Carolina Teaching Fellow and a member of Phi Beta Kappa. This fall she will enter the MAT program at UNC-CH. Her daughter, Robin, is a rising senior at Virginia Tech and a member of Phi Beta Kappa. She is majoring in chemical engineering and will study abroad this summer.

**Gerry Francis** celebrated the birth of his first grandchild. Last fall James

Gray McCarthy was born to his daughter Kristin and her husband James on September 4, 2005

**Richard Haworth's** daughter Cheryl is expecting her third child in November. To the right is the proud grandfather with his granddaughters, Katherine (5) and Caroline (3). Cheryl finished her doctorate at UNC-Greensboro last year and lives in Greensboro. Richard's son Carlisle received his master's degree last year from UNC-Greensboro and works in San Francisco for Essex Environmental as a GIS expert.



**Skip Allis**, his wife Celeste, and their 13 cats have moved to a new house in Brown's Summit, a community north of Greensboro. His wife is now much closer to Rockingham Community College, where she serves as Math Department Chair.

**Janice Richardson's** daughter, Bonnie, moved to Denver in May. Her son, Paul, works for Rich and Thompson Mortuary in Burlington. Janice and her husband, Gordon, will visit Bonnie in June.



**Helen Walton's** third grandson (at left) was born on February 8 in Rocklin, California. His brothers, Matthew (8) and Timothy (5), chose his name, Luke, after their favorite Star Wars character. Helen's son, Drew, is an engineer for Hewlett Packard in California. Her daughter, Charlotte, lives in Durham and is the financial officer for TROSA, a non-profit which provides rehabilitation for substance abusers. Her younger son, Jeff, has recently become a planner for the City of Wilmington.

**Alan Russell** moved his mother and grandparents to Burlington last year. In January 2006, all four generations moved into the same house. The photo at right taken in 1999 shows from back row (left to right) Alan's wife-Robin, his mother - Linda, his daughter - Michelle, and grandmother - Julia. In the front row are Alan's great-grandmother - Mary Allen (now deceased), and Alan himself. Michelle is now 8 and much too big for her grandmother to hold.



## OTHER NEWS FROM THE FACULTY

**Richard Haworth** is chair of the high school math contest at Elon. He has been involved with the contest since its inception in 1979, and he serves on the North Carolina Math Contest Committee and the Executive Committee. He is also on the board and executive committee for the North Carolina Council of Teachers of Mathematics, serving as convention services coordinator. He gave a math magic show for fifth graders from Asheboro.

**Jan Mays** has served her first year as the coordinator of the first-year math classes. She is the president of the North Carolina Mathematics Association for Two-Year Colleges. She received a grant to be a service learning scholar at Elon, working with students and Healthy Alamance to analyze data on the effectiveness of a diabetes education program. She is also chair of the admissions committee.

**Alan Russell** was on sabbatical last fall. He has almost completed an origami book which teaches students to fold paper with an emphasis on mathematical ties. The book is geared to secondary and college students. It provides enhancement for regular math courses and supplements in geometry and functions. Alan is currently in the review and editing process, working toward publishing the book. He plans to give a talk about his book at the Fourth International Conference on Origami Science Mathematics and Education in September. He gave a talk at the NCCTM conference in October titled "Symmetry and Shape," which detailed his winter term course which focused on Geometer's Sketchpad to make perspective drawings. He also led a workshop for the Gainesville City School System in Georgia on the use of Geometer's Sketchpad. He did an origami session involving mathematics at the Southeastern Arts Festival in St. Marys, Georgia.

**Todd Lee** published a paper titled "Fool me twice, shame on me." in *Mathematics Teacher* in April 2005. He was an instructor at the Teachers Content Academy at James Madison University in June, 2005. He served as mathematics consultant for the probability segment in the NSF funded Informal Mathematics Learning program with urban middle school students at Rutgers University in August, 2005. He is an ongoing mathematics consultant and member of the advisory board for the NSF funded Preparing to Teach Mathematics with Technology at NC State University, affiliated with the Friday Institute for Educational Innovation. He also serves as list-serve administrator for the PME-NA Probability Working Group, is on the MAA Southeastern Section Selection Committee and is a member of a focus group for the *NCTM Mathematics Teacher Journal*. He continues to direct the science branch of the Elon College Fellows program, and he led a junior research seminar for these fellows. He is also on the Academic Challenge Definition Committee.

**Skip Allis** has been elected chair of Academic Council and serves on the Curriculum Committee.

**Jim Beuerle** serves as advisor to Pi Mu Epsilon, chair of the Goldwater Scholarship Committee, member of the Academic Standing Committee, and a member of the State Math Contest Committee. He had a paper published in *Algebra Colloquium* in December 2005, titled "An Elementary Classification of Metacyclic p-Groups of Class at Least 3." He presented "First Day Activities for Elementary Statistics" at the NCCTM conference in Greensboro in October. He brought area high school seniors to campus this spring to practice for the Advanced Placement Calculus test.

**Janice Richardson Plumblee** continues to serve as the director of the Teaching Fellows program at Elon. She is working on the National Council for Accreditation of Teacher Education (NCATE) report which provides accreditation both at the state and national level. The Elon campus evaluation visit will be in April 2007. She organized the regional interviews in February for prospective teaching fellows. She received a grant last October to have a Smartboard installed in Duke Building. During winter term, she accompanied the Teaching Fellows on a tour of historical places along the east coast.

**Ayesha Delpish** has co-authored an article in the 2006 issue of *The Journal of Quantitative Analysis in sports* titled "Hierarchical Linear Modeling of Individual Athletic Performance-Affect Relationships."

**Ellen Mir** serves on the Graduate Council. She has a paper titled "Images of Relatively Locally Finite Hausdorff Spaces" accepted for publication in *Topology Proceedings* in Fall 2006. She presented this paper at the National Topology Conference in Greensboro.

**Jeff Clark** serves on the Student Life Committee and the Low Risk Drinking Committee. He presented "Teaching Mathematics Majors How to Write Mathematics" at the annual meeting of the Southeastern Section of the Mathematics Association of America in Auburn, AL in March. He also gave a talk titled "Using Free Software for the Construction of Complex Course Documents" at the International Conference on Technology in Collegiate Mathematics in March. In January, he presented "Using History to Make Differential Calculus Come Alive" at the Joint Mathematics Meetings.

**Helen Walton** serves on the Phi Beta Kappa steering committee. She is currently working on the preparation of Elon's application to shelter a new chapter of Phi Beta Kappa. The application will be submitted in October.

**Bernice Foust's** daughter Jessica has just completed her junior year in high school at Guilford College. She is a student at the Early College Program, which provides a writing intensive, fast paced experience. She will receive two years of college credit for her last two years of high school. She plans to attend the secondary school summer program at Harvard University this summer.

## OUR HONOR ROLL OF GRADUATE SCHOOL DEGREES

NAME	DEGREE	GRADUATE SCHOOL	FIELD	DATE
George Atkins '79	MA PhD	UNC-Charlotte UNC-Greensboro	Mathematics Curriculum and Instruction	1986 1998
Kristie Collins '94	MBA	Wake Forest University	Business Administration	2000
Rose Cordero '01	JD	UNC-Chapel Hill	Law	2004
Daisy Cunningham '03	MS	Tulane University	Mathematics	2005
Donna Davis Westbrook '84	MA	UNC-Chapel Hill	School Administration	2005
Barbara Day Bass '61	M.Ed.	University of Virginia	Math Education	
Richard Dutton '03	MS	College of William & Mary	Computer Science	2005
Cindy Enloe Neff '99	MA	Wake Forest University	Mathematics	2001
Liese Faircloth '93	MA	UNC-Chapel Hill	Accounting	2005
Bryant Ford '74	MA	UNC-Charlotte	Math Education	1986
Jeff Gariepy '02	MS	Wake Forest University	Computer Science	2004
Jimmy Green '86	M. Divinity	Covenant Theological Seminary	Religion	2001
Lisa Grignon '99	MS	University of Washington	Industrial Engineering	2002
Phyllis Hammer Richardson '78	MA	Campbell University		
Nick Harrison '02	MA	Pennsylvania State University	Mathematics	2006
Lisa Helms '93	MA	Wake Forest University	Mathematics	2000
Larry Hodges '74	MA MS Ph.D.	Lancaster Theological Sem. NC State University NC State University	Religion Computer Science Engineering Computer Engineering	1978 1982 1988
Katie Iwancio Thompson '03	M.S.	NC State University	Mathematics	
Lyndsey Jessup Haywood '99	MA	Wake Forest University	Mathematics	2001
Erin Krupa '02	MA	Wake Forest University	Mathematics	2004
Peter Lindstrom '94	Ph.D.	Georgia Tech University	Computer Science	2000
Carol Lupinacci Brown '68	M.Ed. D. Ed.	University of Delaware University of Delaware	Education Education	1972 1987
Mary Mayo '88	M.Ed.	VA Commonwealth University	Administration/Supervision	1994
Kate Mansi Merrell '00	MS	NC State University	Math Education	2003
Thomas McDow '99	MBA	Elon University	Business	2004
Karen Melberg Smith '69	MS in Ed.	Old dominion University	Reading Specialist	
Danny Modlin '98	MS	UNC - Wilmington	Mathematics	2006
Ralph Mueller '83	MA Ph.D.	Wake Forest University Virginia Tech	Mathematics Educational Research	1984 1987
Jessica Munley '03	M.Ed.	Wake Forest University	Math Education	2004
Jenette Olli '03	MS	UNC-Chapel Hill	Mathematics	2005
John Papa '69	MA	Monclair State College	Math Education	1973
Tammy Raper Newbern '94	M.Ed.	California State University	Secondary Mathematics	2004
Donna Phillips Shore '84	MA	Wake Forest University	Mathematics	1986
Gretchen Roberts Thompson '76	MS	College of William and Mary	Mathematics Operations Research	
Amanda Sherman '98	MA	Wake Forest University	Mathematics	
Jennifer Smith Lebruska '97	MS		Applied mathematics and modeling	1999
Andrew Spage '91	MS	George Mason University	Operations Research	1997
Shelly Stack Smith '88	MS	SUNY at Brockport	Mathematics Education	1991
Carl Taylor '99	M.Ed.		Secondary Math Education	2003
Lori Tyler '92	M.Ed.	Wake Forest University	Math Education	1998
Emily Viverette '94	M.Div.	Vanderbilt University	Divinity	2000
Meredith Webster '96	MBA		Business	
Holly Weeks McDow '99	MS	UNC-Chapel Hill	Mathematics	2001



Math Department  
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Elon NC 27244

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Helen Walton  
Newsletter Editor  
CB 2277  
Elon NC 27244  
Telephone 336-278-6242  
[walton@elon.edu](mailto:walton@elon.edu)

Department of Mathematics  
Jeff Clark, Chair  
CB 2122  
Elon NC 27244  
Telephone 336-278-6248  
[clarkj@elon.edu](mailto:clarkj@elon.edu)