Table of Contents

The Newsletter is published in April and November each year. The deadlines for items to be included in each issue are March 15 and October 15 respectively. Departmental News appears in the November newsletter only and is solicited from department liaisons. Full page ads are available for graduate programs and for corporate ads. Quarter page ads are available for position advertisements. Contact the advertising manager for details.

Material may be submitted to the editor on paper, by email, or on 3.5" diskette, electronic forms are preferred. Currently the newsletter is produced using Microsoft Publisher, which can import plain text files or files produced by most word-processing software.

Section Calendar

January 6-9, 2002	MAA/AMS Annual Meeting, San Diego, CA
February 8-9, 2002	Georgia Perimeter 15th Regional Conference Dunwoody, GA
February 15, 2002	Alabama State Dinner at Samford University
February 22, 2002	South Carolina State Banquet at Lander University. Guest speaker is Andrew Granville.
March 8-10, 2002	**Joint Southeastern Section MAA and Southeast Regional AMS Meeting, Atlanta, GA**
March 20, 2002.	North Carolina State Dinner at Greensboro College. Guest Speaker is John Swallow
April 21-24, 2002	NCTM Annual Meeting, Las Vegas, NV
August 1-3, 2002	Mathfest 2002, Burlington, VT
January 15-18, 2003	MAA/AMS Annual Meeting, Baltimore, MD
March 21-22, 2003	Joint Southeastern Section MAA and Atlantic Section SIAM Meeting, Clemson, SC
April 9-12, 2003	NCTM Annual Meeting, San Antonio, TX
January 7-10, 2004	MAA/AMS Annual Meeting, Phoenix, AZ
April 21-24, 2004	NCTM Annual Meeting, Philadelphia, PA
January 5-8, 2005	MAA/AMS Annual Meeting, Atlanta, GA
April 6-9, 2005	NCTM Annual Meeting, Anaheim, CA
April 26-29, 2006	NCTM Annual Meeting, Kansas City, MO
March 21-24, 2007	NCTM Annual Meeting, Atlanta, GA

From the Editor

This fall the newsletter is full of information about the upcoming meeting in Atlanta. This joint meeting with the Southeast Regional AMS will last three days and promises to be an excellent meeting. A special pullout section contains meeting information and a short course registration form. Four interesting short courses are being offered, make sure you register early to get your choice. The deadline is February 15, 2002. Another important deadline is January 22, 2002 for contributed papers. Submission is online only at the AMS meeting web site.

The section has seen an increase in student involvement over the last few years. Over 80 students attended the section meeting in Montgomery and we hope to break 100 at the meeting in Atlanta. A request for donations to help fund student activities in the section appears on page 14 . Please consider making a donation. If you have suggestions on how to increase student participation in the section, forward them to any section officer. Finally, encourage students to form an MAA Student Chapter and report chapter activities to your state director.

If you have any questions, comments or suggestions about the newsletter, please let me know.

Virginia Watson

From the Chair

Thank you for taking the time to pick up this newsletter and to catch up on the events of our colleagues. Certainly much has happened in each of our lives and the world since the spring. I trust each of us and those we cherish are safe as we daily navigate through the tasks and events that come our way. To those who have lost friends and relatives in recent days, all of us in the Southeastern Section of the MAA extend our deepest regrets and warmest wishes in these times. We are "family", and I look forward to seeing or hearing from each of you soon.

On September 21-22, 2001, the executive committee met at my campus, Georgia Perimeter College at Clarkston, here in Atlanta on the "Stone Mountain" side of town. Each braved our terrible traffic to work together Friday night and Saturday morning on the business of the largest and best MAA section of the land. Each state director told of well-attended state dinners. Their plans for the next dinners are exciting and continue the tradition of excellent speakers from within the region. All committees are working well, including the nominating committee seeking candidates for several offices, including chair-elect and secretary-treasurer. Thank you for sending your nomination suggestions to Theresa Early.

Richard Duke at Georgia Tech and John Bryant at Florida State are tempted to talk football with each other in interesting ways these days, but their main focus is working with each of you and our Section Program Chair Joe Wimbish for our "history-making" joint Spring Section meeting March 8-10, 2002 at Georgia Tech. Note, you will be able to attend sessions through Sunday, with our normal starting time of Friday morning for four short courses. And there are many special sessions as well as contributed paper sessions to encourage all in presenting, as well as attending plenary addresses and breakout sessions of national prominence. Thank you to each for making this time together so rich and special. Be sure to make your hotel reservations soon, as the ACC Basketball tourney is in downtown Atlanta that weekend too. I have already been to the website www. ams.org and the meetings page to make my hotel reservation. We are planning for over 600 MAA and AMS members to attend. Georgia Tech will be on spring break then, so parking will be available as well as beautiful, spacious buildings in the Student Center Area of campus. A big thanks to the AMS staff for helping with many of the details to get all members "on the same page" next spring.

Mark Cawood and Chris Cox at Clemson University are well down the road in working with us for the joint MAA/SIAM meeting at Clemson March 21-22, 2003. Having lived and taught in the Upstate of South Carolina for 14 years, I'm looking forward to being there and the time to focus on applications so critical to the success of the majority of students we are privileged to teach. Again, that time is during Clemson's spring break, which we need to do at all of our locations in comfortably accommodating our great turnouts.

I trust each of you have wonderful holidays with your families this fall and winter. Hopefully I'll get to see many of you in sunny San Diego for the January AMS/MAA meetings. Again, thank you for making possible the wonderful opportunities for growth and enjoyment in mathematics. Enjoy reading each article of this newsletter, and I appreciate your response in making each event successful.

Ray E. Collings

From the Governor

I am reluctant to admit that I attended my first MathFest this past August in Madison, Wisconsin. I had always intended to attend a MathFest but summer schedules become filled with summer school, workshops, vacations, trips to see the family, etc. I guess there was always an excuse. And this past summer was as busy as any I have experienced. But since I needed to attend the Board of Governors meeting immediately prior to MathFest, I decided it would be a shame not to stay for the conference. What a great decision! If you have never attended a MathFest, I strongly encourage you to do so. I really enjoyed the smaller number of people – so you actually got to talk to many of the people there – and the more relaxed atmosphere. Even the temperature, with heat index over 100° each day, did not detract from the enjoyment. MathFest 2002 will be held in Burlington, Vermont, August 1-3, 2002. Put it on your calendar.

One of the highlights of MathFest for me was the James R.C. Leitzel Lecture given by Robert F. Witte, the former Senior Program Officer of the ExxonMobil Foundation. Mr. Witte retired from the ExxonMobil Corporation in March 2000, but while still with the Foundation, he was responsible for the grant that initially funded Project NExT. An engineer with an M.B.A. from the Harvard University's Graduate School of Business Administration, Witte served in several engineering, economic analysis and supervisory positions with ExxonMobil and as an officer and project engineer in the United States Air Force's Aerospace Medical Research Laboratories before beginning work with the Foundation. He is very complimentary of the MAA for its influence in mathematics and mathematics education. He also has strong feelings about some changes he would like to see in education. Among these changes, he would like to see the mathematics community play a prominent role in the national school improvement efforts. Through his leadership the Foundation has supported an effort to add more mathematics specialists in elementary schools and he would like to see this continue. The point he seems to feel the most strongly about is that he would like to see something similar to Project NExT for other disciplines. He believes Project NExT is "changing the shape of the profession" and doesn't understand why other disciplines, especially science disciplines, have not already started a similar program. Mr. Witte is a very interesting, articulate person!

Theresa Early

CALL FOR PAPERS

Southeastern Section MAA and Southeast Regional AMS Joint Meeting

Atlanta

March 8-10, 2002

DEADLINE FOR ABSTRACTS OF CONTRIBUTED PAPERS:

January 22, 2002

ONLINE SUBMISSION ONLY

At the AMS meeting site

http://www.ams.org

See pullout section in center for details

Spring Executive Committee Meeting

Secttion officers held their annual fall meeting on September 21-22, 2001, on the campus of Georgia Perimeter College in Clarkson, GA. New Section Governor Theresa Early reported on the Board of Governors meeting at MathFest 2001. Highlights included record attendance (exceeding 5000) at the 2001 January meetings in New Orleans, selection of Atlanta for the site of the January, 2005 Joint Meetings, and the success of the International Mathematical Olympiad held in Washington, D.C., over the summer. The U.S. Olympiad team made a strong showing, tying for second with Russia, behind China.

The Secretary-Treasurer provided a financial report, indicating a balance of $8,422.50 at the time. (A summary financial report for the last three fiscal years is available at http://www.davidson.edu/math/davis/FinRpt97-01.html.) Concern was expressed over the Section's continuing deficit and later in the meeting the Executive Committee endorsed a newsletter solicitation for member contributions in support of student activities in the Section.

State Directors discussed their plans for state dinners. John Harris reported that the fourth class of Project NExT-SE will convene at the Joint AMS/MAA Southeastern Section meeting next March. Department chairs are invited to nominate their new faculty for this program. Governor Early also reported for the Nominations Committee that candidates will be needed for the positions of Chair-Elect, Secretary-Treasurer, Section Lecturer, and Tennessee State Director. Plans were also begun for a joint meeting of our Section with the SIAM Southeastern-Atlantic region at Clemson University, March 21-22, 2003.

The other major focus was on plans for the coming Joint AMS/MAA Southeastern Sections meeting at Georgia Institute of Technology in Atlanta, GA, March 8-10, 2002. Features include plenaries by MAA Polya Lecturer Georgia Benkart, Section Lecturer Robert Bryant, our 2001 Distinguished Teaching Award recipient Johnny Henderson, Nigel Kalton, and James Oxley. Also planned are a variety of short courses, TA Rush, a Student Poster Session, and numerous special sessions and contributed paper sessions. Check the section web page (http://www.maa.org/southeastern) for a link to the AMS announcement of this meeting.

Stephen Davis

Announcements

Subscribe to Section Listserve

An e-mail listserve has been established for news of the section; subscribe by sending the message

> subscribe sesmaa Your Name

(where "Your Name" is your real name; your e-mail address is obtained from the header of your message) to listserv@huntingdon.edu

You may also use the subscription form located on the section website at http://www.huntingdon.edu/MAA/.

Alabama State Dinner

The Alabama State Dinner is scheduled for February 15, 2002 at Samford University.

North Carolina State Dinner

Greensboro College will host the Spring 2002 North Carolina State Dinner on Wednesday March 20, 2002. The Guest Speaker will be Dr. John Swallow of Davidson College. The title of his talk is "A Coat of Many Colors: Fermat's Last Theorem."

South Carolina State Banquet

Andrew Granville of The University of Georgia will be the guest speaker at the South Carolina State Banquet held at Lander University on February 22, 2002.

Make Hotel Arrangements Early
for the Atlanta Meeting

The ACC Men's Basketball Conference is in
Atlanta the same weekend as the meeting.

See pullout section for details

Announcing a New Class of

Project NExT-SE

Project NExT (New Experiences in Teaching) is a national program for new or recent Ph.D.s in the mathematical sciences who are interested in improving the teaching and learning of undergraduate mathematics. Project NExT - SE is the Southeastern Section's version of the program. Non-tenured, Ph. D. holding faculty members in our section are invited to apply to become Project NExT-SE Fellows.

The first meeting for the NExT -SE Fellows will be March 7-8, 2002 at Georgia Tech, just prior to the annual section meeting. At this workshop, participants will discuss topics of special relevance to beginning faculty. Topics could include

> New approaches to teaching calculus, pre-calculus, and more advanced courses;
> Alternative methods of teaching and assessing student learning;
> Using technology in the classroom;
> Perspectives from pedagogical research;
> Writing grant proposals;
> Balancing teaching and research.

NExT-SE Fellows will remain in contact with one another via an electronic network, and a second meeting will take place in the spring of 2003.

For information and an application form, please see the NExT -SE web page.

http://facweb.furman.edu/~harrisjohn/NExTSE/

Address all other inquiries to

Greg Rhoads		John Harris
gsr@math.appstate.edu	or	john.harris@furman.edu
828-262-2741		864-294-3638

Attention Project NExT Fellows

The Section Executive Committee would very much appreciate
your assistance in planning/organizing/operating the Section
Meeting in Atlanta in March of 2002.

There are a number of roles (large and small) to be filled, and the
Section officers have expressed specific interest in involving
NExT Fellows, both national and southeastern.

If you would like to contribute to the success of this upcoming
meeting, just contact one of the people below.
They can provide details.

Greg Rhoads   **John Harris**
gsr@math.appstate.edu   **john.harris@furman.edu**

Call For Nominations
for the 2002 Southeastern Section
Distinguished Service Award

The Southeastern Section presents a Section Distinguished Service Award at the annual spring meeting each year. A member of the Section who has made outstanding contributions at the Section level will be so honored at the March 2002 meeting in Atlanta.

The Section Distinguished Service Award Committee encourages every member of the Section to submit a nomination to the committee chair for the 2002 award. Please send your nomination including a statement supporting the nomination to Hugh Haynsworth, via surface or email.
[Hugh Haynsworth, Graduate Studies, College of Charleston, Charleston, SC 29424 or haynsworthh@cofc.edu].

Nominations for the 2001 award may be carried forward for consideration for the 2002 award, if the nominator so desires. If so, a letter which updates the previous nomination is requested from the nominator.

DEADLINE FOR SUBMISSION: January 31, 2002

Previous Service Award Recipients
The Section Distinguished Service Award has been awarded in even-numbered years, beginning in 1990, then annually, since 1997.

April 1990	Trevor Evans, Emory University
April 1992	Bill F. Bryant, Vanderbilt University
April 1994	James G. Ware, University of Tenn. at Chattanooga
April 1996	Marcellus Waddill, Wake Forest University
March 1997	John Kenelly, Clemson University
March 1998	David Stone, Georgia Southern University
March 1999	M. F. Neff, Emory University
March 2000	Tina Straley, MAA Executive Director
March 2001	Charles Cleaver, The Citadel

Short Courses
Friday, March 8, 2002
8:30-11:30 am

Cryptology: Mathematics, Craft, and Implementation
Presented by Tom Barr, Rhodes College.

An Introduction to the Mathematics of Biology
Presented by: Edward Yeargers, Biology, Ga.Tech. (Retired); Ron Shonkwiler, Mathematics, Ga. Tech.; Jim Herod, Mathematics, Ga. Tech. (Retired).

Optimal Use of Technology in Teaching Geometry at the College-University Level
Presented by: Subhash C. Saxena, Coastal Carolina University.

Teaching Mathematics from Afar
Presented by: Linda Boyd, Georgia Perimeter College (Retired).

Abstracts and Registration Form
in special pullout section.

Deadline for registration:
February 15, 2002

Donations for Student Activities

The Southeastern Section supports student activities at its annual meeting including

- TA Rush and a student pizza lunch
- Undergraduate Student Poster Session
- Undergraduate Student Contributed Paper Sessions
- Reduced student registration fees

Further, student participation in the Association is encouraged by the State Directors through their organization of state dinners and coordination with MAA Student Chapters.

The Executive Committee of the Southeastern Section invites you to help sponsor these activities through a donation of $10 or more. Make your contribution by sending a check (payable to MAA-SE) to

> Stephen Davis, Secretary-Treasurer
> MAA Southeastern Section
> Department of Mathematics
> Davidson College
> Davidson, NC 28035-6931

The Department of Mathematical Sciences is accepting applications for admission into its two newly designed programs at the Master's level.

Mathematics

The *Master of Arts in Mathematics* is primarily designed for students who are interested in pursuing a teaching career at the college level. This degree is also excellent preparation for those interested in entering a doctoral program. The course of study follows the AMATYC (American Mathematical Association of Two Year Colleges) guidelines and provides an excellent mix of graduate level mathematics content with attention to pedagogy. Students completing this program will have a solid foundation in mathematics as well as knowledge of pedagogical issues in the collegiate classroom. 36 hours of coursework include a minimum of 24 hours of graduate level mathematics content, along with seminars, teaching apprenticeships and an optional teaching internship.

Mathematics, Secondary Education

The *Master of Arts in Mathematics Education* is designed for practicing teachers who are interested in furthering their secondary school teaching careers. The course of study follows the State of North Carolina guidelines for advanced licensure in mathematics and provides an excellent mix of graduate level mathematics with a focus on issues in secondary school pedagogy. Students completing this program will have a solid foundation in mathematics as well as knowledge of pedagogical issues. Courses are offered evenings, weekends and in summer session to accommodate the teaching schedules of in-service teachers. Teachers may use credit from the Mathematics Education Leadership Training (MELT) Program towards their degrees.

Applications may be obtained from the Cratis Williams Graduate School, http://www.graduate.appstate.edu. Assistantships ($3500-$5000 per semester and $700-$900 per summer term) are available for qualified applicants.

Located in the scenic Blue Ridge Mountains, Appalachian is a comprehensive University of 13,500 students in Boone, North Carolina. The department has 27 faculty holding Ph.D.s or Ed.D.s. The research interests of the graduate faculty bridge both content and pedagogy. Mathematics content areas: algebra, applied statistics, approximation theory, complex analysis, differential equations, geometry, graph theory, logic, mathematical biology, numerical analysis, real analysis, and topology. Mathematics pedagogy areas: assessment, developmental mathematics, K-12 mathematics, K-12 statistics, undergraduate mathematics teaching, undergraduate statistics teaching, and use of technology.

We blend youth and experience, the applied and the abstract. We focus on teaching and yet remain active as scholars through research, textbook publication, professional service, and cutting edge curriculum development. The ability to communicate in an understandable, enthusiastic way is an important criterion in our selection of faculty. For more information see

<div align="center">http://www.mathsci.appstate.edu/</div>

or contact the Department Chair, Dr. William C. Bauldry (BauldryWC@ appstate.edu, 828-262-3050).

News From the Campuses

Agnes Scott College (Decatur, GA)

The Mathematics Department welcomes Chris Moseley as a visiting instructor for the 2001-2002 academic year. Chris has been a graduate student at the University of North Carolina, Chapel Hill, and will defend his Ph.D. dissertation in differential geometry in November. Myrtle Lewin has returned from a sabbatical in which she worked on projects involving the history of mathematics and mathematics pedagogy. Bob Leslie will be taking a group of Agnes Scott students to Cuba in May, 2002, as part of a Global Connections course that combines the areas of statistics and women studies to investigate "a statistical view of the status of women in contemporary Cuba". Alan Koch attended an NSF sponsored workshop on cryptology this past summer. Larry Riddle is continuing his work with the Educational Testing Service as the Chief Faculty Consultant for the AP Calculus examinations. This past June he coordinated the grading of approximately 185,000 AP exams by 600 high school and college mathematics teachers at Colorado State University. Anyone interested in being a Reader for the AP Calculus program is encouraged to contact him at LRiddle@agnesscott.edu. (Submitted by Larry Riddle)

Albany State University (Albany, GA)

Dr. Zephyrinus Okonkwo, Associate Professor of Mathematics, and Mr. Melvin Shelton, Assistant Professor of Mathematics, conducted a Title II Professional Standards Math/Science enhancement workshop during the Summer Semester, 2001, for Middle Grades Teachers. Also, Dr. Okonkwo was named researcher of the year for the previous year. (Submitted by Marzine Green)

Appalachian State University (Boone, NC)

It's been a busy year at Appalachian State. Greg Rhoads and Debbie Crocker were both given tenure and promoted to Associate Professor. Greg was also named Assistant Chair of the department. Betty Long and Jeff Hirst were both promoted to Full Professor. Jeff then took the spring off and went to Notre Dame on sabbatical.

The department also hosted several events last spring. In addition to the State Mathematics contest, we hosted the NC MAA State dinner and the Sixth Annual North Carolina Mini Conference on Combinatorics, Graph Theory and Computing. Bob Panoff from the Shodor Educational Foundation was the featured speaker at the MAA dinner and Teresa Haynes from East Tennessee State was the featured speaker for the conference. The summer was also a busy time in our department as several workshops and institutes were held on campus. We hosted the 5th

EMORY UNIVERSITY
Department of Biostatistics

The Graduate Program: The Department of Biostatistics offers programs of study leading to the MSPH, MPH, MS, and PhD degrees in Biostatistics and the MSPH degree in Public Health Informatics. The biostatistics curriculum is designed for individuals with a strong background and interest in the mathematical and biological sciences. Biostatistics programs emphasize proficiency in biostatistics, computerized data management and analysis, statistical consulting in biomedical and other health-science disciplines, and analytical epidemiology. Public Health Informatics combines computer science, information science and public health sciences in management and processing of public health data, information, and knowledge supporting effective public health practice.

The Department: The research-oriented faculty consists of 14 full-time doctoral-level scientists and 20 associate/adjunct faculty members who are also committed to excellence in teaching. Our student-teacher ratio is small and conducive to close mentor relationships between students and faculty. Close collaboration with the Centers for Disease Control, the Carter Center of Emory University, Emory's Medical School, the Georgia Department of Human Resources, and the American Cancer Society promotes challenging research and career opportunities for students. The Biostatistics Consulting Center provides graduate students training in consulting. Excellent computing facilities are available.

The University: Emory University is a private, nationally recognized teaching, research and service university located on a 631-acre campus. Its student body of 11,300 men and women includes 5,200 graduate and professional students.

Financial Support: Graduate School of Arts and Sciences student fellowships, which provide full tuition and a stipend of at least $14,169 for 12 months, are available for highly qualified students in the PhD program. The Rollins School of Public Health has a small number of fellowships available for the MSPH and MPH degrees. In addition, opportunities for part-time employment as a teaching assistant or a research assistant are available on a limited basis.

Additional Information: Senior Program Associate, Department of Biostatistics, Emory University, Atlanta, GA 30322, telephone 404-727-3968, e-mail mdalyt@sph.emory.edu, or www.sph.emory.edu/hpbios.html.

Annual ASU Math Camp and T^3 workshops on Middle School Mathematics, Algebra, Geometry, Middle Grades Mathematics on the Web and in Print, AP Statistics, and Connecting Algebra and Geometry. We also hosted an MAA Faculty Workshop on the Mathematical Preparation of Elementary School Teachers, a workshop on the K-2 NC Mathematics Curriculum with Technology, and a Mathematical Smorgasbord workshop. Several of these workshops were held in conjunction with the MELT (Mathematics Education Leadership Training) program. More information on this can be found at www.melt.appstate. edu. Our department also hosted a Shodor Computational Science Institute advanced computation workshop.

We have also received notification about funding for two NSF grants involving members of our department. Alan Arnholt and Eric Marland from our department, along with James Wilkes, Cindy Norris and Rahman Tashakkori from the Department of Computer Science had their NSF CSEMS grant proposal titled "Program for Attracting and Retaining Scholars in Computer and Mathematical Sciences" funded. Also, Greg Foley is a co-PI on an NSF 1-year developmental grant to establish a National Center for Learning about Teaching Mathematics and Science in Rural and Urban Settings. This is a joint project with LSU, University of Houston- Downtown, and Rice University. Finally, we have just learned that Bob Richardson and Brian Felkel have received the 2001 ICTCM Award for Excellence and Innovation with the use of technology in Collegiate Mathematics for their work on an online text for Business Calculus. We congratulate them on their award. (Submitted by Mark Ginn)

Armstrong Atlantic State University (Savannah, GA)
This past summer Ed Wheeler, who served as chairman of the Math Department for fourteen years, became Dean of the College of Arts and Sciences at Armstrong. The department views this promotion with mixed feelings. We know that Dr. Wheeler is an exceptional administra- tor, so we are pleased that he is our Dean. But, we will miss him in the department. Jim Brawner will be serving as department chair this and next year.

Jane Barnard was a recipient of the Board of Regents of the University System of Georgia Award for Academic Excellence. The whole university is proud of this recognition of an exceptional college professor. Jim Brawner received the CARL B. ALLENDOERFER AWARD for expository excellence for his article, "Dinner, Dancing, and Tennis, Anyone?", which appeared in Mathematics Magazine. The award was presented to Jim at the Summer MathFest in Madison, Wisconsin. Sabrina Hessinger was named Georgia Director for MAA-SE this year. We know it is a good move by the Section to tap into her energy.

Selwyn Hollis was promoted to full professor this year. Tamara

Master of Science in Mathematics

With concentrations in

Applied Mathematics, Computer Science, and Statistics

The Department of Mathematics and Computer Science offers a graduate program leading to the degree of Master of Science in Mathematics with concentrations in *Applied Mathematics, Computer Science,* and *Statistics*. Faculty members are noted for teaching excellence and have a variety of research interests including approximation theory, differential equations, fuzzy logic, mathematical biology, mathematical modeling, numerical analysis, parallel computing, signal and image processing, discrete simulation, pattern recognition, and quality control. The MS Degree in Mathematics is intended to provide a broad overview of applied mathematics, computer science, and statistics as well as intensive training in one particular area. The program is intended to produce mathematical scientists who will be able to interact productively with the "real world."

The Department of Mathematics and Computer Science has five state-of-the-art computer laboratories with SUN workstations, X86-based computers, and Power Macintosh computers. Students have access to the World Wide Web and the Internet from many computers in these laboratories. The department also supports parallel computing environments.

Several graduate assistantships will be available for Fall 2002. The workload is approximately 15 hours per week and duties include grading and assisting in the computer laboratories. Graduate assistants pay only about $360 for tuition and fees per semester, and receive a nine-month stipend of $5000–$7000/year.

For further information regarding the MS in Mathematics degree at Georgia Southern University, contact: Graduate Program Director, Department of Mathematics and Computer Science, Georgia Southern University, Statesboro, GA 30460-8093.

ACADEMIC EXCELLENCE

GEORGIA SOUTHERN UNIVERSITY

Burton joined our faculty this fall. Tammy is a brand new Ph.D. from the University of South Carolina and a Project NeXT Fellow.

The department sponsored Middle School Math Bowl will be held November 3 and the twenty fourth annual High School Math Tournament will be Saturday, February 2, 2002. (Submitted by Tim McMillan)

Athens State University (Athens, AL)

The ASU Mathematics Department has had several key personnel changes. Dr. Randy York died unexpectedly in the Spring of 1997. Dr. York was revered not only in the Mathematics Department but also throughout the ASU community. In the Spring of 2000, Mr. Ron Graham retired from the department after 19 years of service. Mr. Graham visits us often and appears to be enjoying his retirement. In the 2000/2001 academic year we hired two new faculty members. Dr. M. Leigh Lunsford joined us as an Assistant Professor. She received her Ph.D. from the University of Alabama System (Huntsville) in 1995 and has worked in industry and academia. She is a 1997/98 Project NExT Fellow, a board member of the Young Mathematicians Network, and is active in the MAA. Ms. Dottie Fuller also joined us as a half-time Assistant Professor after serving as an adjunct professor at ASU for nine years. Ms. Fuller received her MA.Ed. from the University of North Alabama in 1989 and her Ed.S. from the University of Alabama in 1999. She is active in NCTM and serves as president of NACTM and as a board member of ACTM (the National, North Alabama, and Alabama Council of Teachers of Mathematics, respectively). Ms. Fuller also teaches half-time at Huntsville High School and thus provides our Mathematics Education majors with a real life perspective on teaching high school mathematics.

Several department members gave presentations at various mathematics meetings this past year. Dr. Neil Fentress addressed the ACTM Fall 2000 Conference with a talk entitled "Newton Past-Newton Present." Dr. Lunsford gave a talk on applications of mathematics in radar technology in the Real World Applications Special Session of the 80th Annual Southeastern Section MAA Meeting in Montgomery. Ms. Fuller presented information on the NCTM Standards 2000 at a September 2001 NACTM meeting in Hartselle, AL. Both Dr. Fentress and Ms. Fuller plan to give presentations at the upcoming ACTM Fall 2001 Conference to be held at Auburn University-Montgomery, AL.

Ms. Jennie Legge has also been quite active in her work with the ASU Mathematics and Computer Science (MACS) Club. Through food sales at the annual ASU Old Time Fiddler's Convention and other fund raising events, the MACS Club has raised over $15,000 to establish a mathematics scholarship in memory of Dr. York. Any readers of this newsletter interested in contributing to the Randy J. York MACS

GRADUATE STUDY?

Interested in real world applications? Good job prospects upon graduation? How about graduate study in Statistics?

The Department of Statistics at the University of Kentucky has programs leading to the M.S. and Ph.D. degrees.

With seventeen faculty members, including some with joint appointments, the department offers a wide array of electives and areas spanning the spectrum of theoretical and applied work.

We are located in Lexington, KY, a city of nearly 250,000 in the center of the beautiful Bluegrass area of Kentucky, 80 miles south of Cincinnati and 75 east of Louisville. Visit us on the web at

www.ms.uky.edu/~statinfo

for details of our academic programs and teaching/ research assistantship opportunities and to apply online.

  Direct inquiries to stat-admit@ms.uky.edu for questions not answered there.

Scholarship fund may contact the ASU Foundation. (Submitted by Leigh Lunsford)

Auburn University (Auburn, AL)

After serving for 25 years as Managing Editor of the Topology Proceedings, Donna Bennett retired in May 2001. Beth Fletcher has been named the new Managing Editor of the Proceedings. Jack Brown delivered the 2001 Lewis -Parker Lecture during the annual meeting of the AACTM. His lecture was entitled, "Mathematicians in Industry-- Experiences of One High-Tech Migrant Worker." During part of March, Johnny Henderson was a Tamkang University Fellow.

Four graduate students received Ph.D. degrees. They (along with their current positions), are Chris Hill (Assistant Professor, Macon State University), Kathleen Fick (Assistant Professor, Avila College), John Porter (Assistant Professor, Murray State University), and Lisa Peterson. Also, Kathleen Fick gave a contributed talk in a session of the Midwest AMS meeting held in Lawrence, Kansas. Among new graduate students joining the department in Fall 2001 are Charla Baker (B.S., Troy State University), Silvano Falcao (B.A., Federal University of Piaui, Brazil), Jane Hartsfield (B.S., Columbus State University; M.A. and M.A.M.S., University of Georgia), Kenneth Howell (B.S., Lees McRae College), and Marcin Kulczycki (M.Sc., Jagiellonian University, Poland).

Some department members gave talks at mathematics meetings and in special sessions. Jack Brown gave an hour lecture at the Symposium on General Topology and Abstract Analysis, held at Youngstown State University. Wenxian Shen gave an invited symposium talk during the Sixth SIAM Conference on Applications of Dynamical Systems, held at Snowbird, Utah, and she and Johnny Henderson each gave two invited talks in special sessions of the International Conference on Continuous, Discrete and Impulsive Systems, in London, Canada. Narendra Govil delivered an invited hour lecture at the Tenth International Colloquium on Numerical Analysis and Computer Science with Applica- tions, which was held at Plovdiv, Bulgaria.

During the international symposium, Algorithms for Approximation IV, held at the University of Huddersfield, England, Richard Zalik organized a special session on wavelets. T. Y. Tam and Frank Uhlig are currently serving as organizing committee members for the upcoming ILAS Conference, which will be held at Auburn University in 2002. In addition, T. Y. Tam is one of the organizers for the Sixth Workshop on Numerical Ranges and Radii, also to be hosted by Auburn University in 2002.

The NSF funded Wenxian Shen's grant proposal for a period of three years. (Submitted by Johnny Henderson)

MISSISSIPPI STATE UNIVERSITY
GRADUATE PROGRAMS IN MATHEMATICS AND STATISTICS

Programs: The Department of Mathematics and Statistics offers Master's degrees in Mathematics and Statistics, and the Ph.D. degree in Mathematical Sciences. The doctoral program is designed to ensure that the student acquires knowledge in a broad spectrum of the mathematical sciences, in addition to expertise in a chosen field of concentration. The areas of concentration are control theory, differential equations, functional analysis, numerical analysis, and operator theory. The degree program for the M.S. in Mathematics is flexible enough to allow the student to prepare for employment or further graduate study. The M.S. in Statistics program is a blend of statistical theory and statistical methods, which provides the student with excellent training for professional employment in government or industry. Students in this program obtain sufficient theoretical background to qualify to teach elementary statistics or to enter a doctoral program in statistics.

Financial Support: Financial assistance is available on a competitive basis to qualified applicants. Graduate Teaching Assistantships are available for a nine-month period with stipends starting at $10,000 for doctoral students and $9,000 for master's students. There is also the possibility of summer support. We anticipate an increase in Graduate Teaching Assistantship stipends for the 2002-2003 academic year. All Graduate Teaching Assistants receive a full tuition waiver. Highly qualified candidates may compete for a Graduate Fellowship, which carries a minimum stipend of $14,000 for a twelve-month period, in addition to a full tuition waiver. Screening of applicants for Fall begins in February, while screening for Spring begins in October.

The University: Mississippi State University is a Doctoral I Land-Grant Institution with an enrollment of over 16,000, of which more than 3,000 are graduate students. The University is located in northeast Mississippi adjacent to the city of Starkville and the Mississippi Research and Technology Park. Mitchell Memorial Library, located close to the Department, has extensive holdings in the mathematical sciences, and maintains a subscription list of more than 150 mathematical and statistical journals. **The Department:** Currently, the Department has thirty-seven faculty members, including twenty-six graduate faculty, approximately sixty undergraduate majors, and about forty full-time graduate students. The Department's faculty is active in research and publication. Computing resources include Sun workstations, X-terminals, a department computer laboratory with networked Pentium IV computers, personal computers in all offices, as well as a variety of software packages. The Department provides collaborative support for projects funded through the NSF Engineering Research Center for Computational Field Simulation (ERC). Students in certain research areas may obtain access to high performance super-computers and Silicon Graphics workstations at the ERC.

Correspondence: For further information and application forms, contact: The Graduate Coordinator, Department of Mathematics and Statistics, P.O. Drawer MA, Mississippi State, MS 39762; Telephone: (662) 325-3414; Fax: (662) 325-0005;
e-mail: Office@math.msstate.edu.

Mississippi State University does not discriminate on the basis of race, color, religion, national origin, sex, age, disabili1ty, or veteran status.

Auburn University at Montgomery (Montgomery, AL)

Dr. Willie H. Christian retired last year. Apart from her college teaching, she had help develop a statewide course of study for mathematics for the Alabama Department of Education; she was on various accreditation teams that visited local public schools; and she was active in Alabama Council of Teachers of Mathematics, serving as its treasurer for many years. Dr. Christian had taught at AUM since 1984. Robert Underwood is currently on sabbatical leave at SUNY-Albany, pursuing his research interests in Hopf algebras over rings in collaboration with his erstwhile Ph.D. advisor, Prof. Lindsay Childs. Pantelimon Stanica received the Junior Faculty Award for the School of Sciences. Dr. Stanica's computer expertise was invaluable to the School of Sciences last year after the Director of the Sciences Computation Center resigned during a hiring freeze. Somehow Dr. Stanica managed to keep his research program active while essentially filling two jobs (math professor + SCC acting director). Our department head, James Kays, is currently Chair of the AUM Faculty Council. Prof. Bill Nowell will complete his 20th year at AUM in 2001.

Last year the AMS and (London) LMS co-published *A Station Favorable to the Pursuits of Science: Primary Materials in the History of Mathematics at the United States Military Academy* by AUM's Joe Albree and West Point's David Arney and Fredrick Rickey. This work is an annotated bibliography of the more than 1300 mathematical items acquired by USMA from 1802 until the outbreak of World War I. (Submitted by Rhodes Peele)

Austin Peay State University (Clarksville, TN)

We are pleased to welcome Ms. Darla Adams (master's degree in computer science from Middle Tennessee State University) and Ms. Marcia Pace Joiner (master's degree in education from Austin Peay State University) to our staff. Jim Vandergriff was promoted to Associate Professor.

Mary Lou Witherspoon is the President-Elect of the Middle Tennessee Mathematics Teachers. Nancy Smithfield was elected Conference Chair of the ACM Mid-Southeast Chapter and Bruce Myers was elected Program Chair of the same. Samuel Jator gave a talk at the Southeastern Section Meeting of the MAA.

Our department has been very busy developing online courses for our students. This year, we will have four different mathematics courses (instructors are Tom Hamel, Jim Ridenhour, Nell Rayburn, Larry Hoehn, Samuel Jator) and three computer science courses (instructors are Jim Vandergriff, Darla Adams, and Bruce Myers) online.

APSU hosted the Middle Tennessee Region Mathematics Contest for high school students in March. We will once again host this contest

next April. We also host the annual APSU middle school mathematics contest in April of each year, rewarding and encouraging young students to study mathematics.

APSU is very proud to announce that we recently brought online the Sundquist Science Complex, one of the South's premier science education facilities. The building is a 180,000-gross-square feet facility. Additionally, next semester we will bring online a new 100,000 square foot student center. (Submitted by Jim Vandergriff)

Berry College (Rome, GA)

Dr. Carla Moldavan has been appointed as chair of the department. Dr. Kris Powers has joined the department as Assistant Professor of Computer Science.

The department recently moved into Berry's new, state of the art, science building, housing the departments of Biology, Chemistry, Mathematical Sciences, and Physics and Geology. (Submitted by Bobby Wilder)

Carson-Newman College (Jefferson City, TN)

Carson-Newman welcomes two new members to our department faculty. C-N alumnus Dr. Alden Starnes joins us as associate professor of mathematics, taking the position vacated by Dr. Denver Childress, who retired after 34 years with the college. Mr. Kim Buckner is our new assistant professor of computer science. Drs. Catherine Kong and Henry Suters have been promoted to associate professor, and Dr. Thomas Bass has been awarded tenure. (Submitted by Thomas Bass)

The Citadel (Charleston, SC)

The Department of Mathematics and Computer Science has moved to a recently renovated building, Thompson Hall. This is an improvement over our former digs in Capers Hall, as the faculty have bigger offices, more bookshelves, bigger filing cabinets, and new furniture, not to mention a great view of Friday afternoon parades. Our mailing address, telephone numbers and email addresses remain the same, but most urls of departmental web pages have changed, especially those based on IP addresses (which definitely did change when we moved). Go to www.citadel.edu and follow the links _Academics_ and _Academic Departments_ to find us.

Spencer Hurd and Margaret Francel are on sabbatical. Spencer is doing some research with colleagues at the College of Charleston, while Margaret is at Georgia Tech finishing her second Ph.D., this one in computer science. We have two new full-time adjuncts. Morris Roper has joined our department to teach computer science after successful careers in the military and in industry, while Jim Bessent rejoins our department to

teach mathematics and computer science after spending a couple of years in industry. (Submitted by Dave Trautman)

Coastal Carolina University (Conway, SC)

  The Department of Mathematics and Statistics of Coastal Carolina University has a new tenure-track faculty member: Dr. Stephen Shauger, whose area of interest is graph theory and algorithms. We also have a new instructor, Jenny Wickum.

  A *Statistical Consulting Center* has been established and has started serving the CCU community and local businesses. Our annual *Math Contest* for high school students will take place on March 22, 2002, which is the last weekday of our Spring Break, so we are drawing straws to decide who will stay here as proctors and graders. Although mainly a local affair, there are always some contestants from faraway locations, and why don't you check us out at http://www.coastal.edu/mathlab/contest.html in case your school might be interested (please note that we are located close to Myrtle Beach, the ultimate Spring Break destination)?

  As for the curriculum, we are testing new methods in the teaching of elementary courses (mainly College Algebra and Elementary Statistics) and will be talking about them at the January 2002 Joint Meetings in San Diego. We are trying to make our students more calculator- and computer-literate, and to instill modeling as an integral part of the applied mathematics and science curriculum. The Elementary Statistics course and laboratory is now being taught with the aid of a software that assigns homework to students online, doesn't let go of them until they get a passing grade, gives them online quizzes/ exams, and tabulates all results, including the amount of time spent on any part of the project, for the instructor (who can go fishing in the meantime). Also, we have started teaching Multivariable Calculus in a computer-equipped room so that students can use Maple.

  Finally, Dr. CC Edwards, who has been preparing applications for Texas Instruments, reports that TI has many activities for graphing calculators that can be used in the classroom (see http://www.education.ti.com).

College of Charleston (Charleston, SC)

  Two faculty members at the College of Charleston were tenured and promoted to Associate Professor last year. Annalisa Calini earned her master's degree in Italy and her Ph.D. in Applied Mathematics at the University of Arizona. Before coming to the College of Charleston, Anna worked at MSRI, Australian National University, and Case Western Reserve. Renling Jin earned his Ph.D. at the University of Wisconsin, Madison, and taught at Berkeley and the University of Illinois before coming to the College. Shortly after his hire at the College, Renling took a two-year leave of absence to hold an NSF Postdoctoral Fellowship. Both Anna and Renling have nationally respected research records, are great teachers, and have recently held NSF research grants.

  Priyanka Bihani, a rising junior in mathematics, was selected to

Short Courses

Title: Cryptology: Mathematics, Craft, and Implementation
Presenter: Tom Barr, Rhodes College.

Abstract: In this short course, we will examine and compare the mathematics behind a few conventional and public key cryptographic methods. We will focus on implementations and cryptanalysis using a computer algebra system. Participants will have the opportunity to try these methods themselves and gain some insight into how these resources can be used in teaching an undergraduate cryptology course.

Title: An Introduction to the Mathematics of Biology
Presenters: Edward Yeargers, Biology, Ga.Tech. (Retired); Ron Shonkwiler, Mathematics, Ga. Tech.; Jim Herod, Mathematics, Ga. Tech. (Retired).

Abstract: This MAA short course will follow the same philosophy as a course that has been offered at Georgia Tech since 1996. The Tech course and this short course will be team taught by faculty from Biology and from Mathematics. The Tech course is designed to be understandable to students from either biology or mathematics. No prior study of biology is necessary. One year's study of calculus for the Tech course is required. Both the Tech course and this MAA short course will use computer software to analyze models that arise from the study of biology.

Title: Optimal Use of Technology in Teaching Geometry at the College-University Level
Presenter: Subhash C. Saxena, Coastal Carolina University

Abstract: The latest version of Dynamic Geometry software empowers us to teach a lot more geometry in an enhanced pedagogical environment. This course will provide hands-on experience to participants in the optimal use of technology in diverse college geometry classrooms. We will discuss plane isometries, dilations, affine transformations, inversions, non-Euclidean models, fractals, and various custom tools with this technology. An abbreviated guide for its Windows version with emphasis on specific topics will be available to participants.

Title: Teaching Mathematics from Afar
Presenter: Linda Boyd, Georgia Perimeter College (Retired)

T.A. RUSH

T.A. Rush provides an opportunity for students to meet with representatives of graduate programs. If your institution wishes to participate and to be listed in the program as a part of T.A. Rush, notify Jason Huffman Jacksonville State University, phone: (256) 782-5822, email: jhuffman@jsucc.jsu.edu by **January 15, 2002.** This event will be scheduled during lunch on Friday in conjunction with a pizza lunch for students. There is a $25 fee for each participating graduate institution

SOCIAL EVENTS:

Coffee and doughnuts will be available during breaks throughout the meeting. A free pizza lunch will be available for students and student chapter advisors during T.A. Rush.

A reception with cash-bar will be held Friday after the awards presentation. Drop by the Presidential Suites of the Moore Student Success Center before going out for dinner. See www.ajc.com Fall Dinning Guide for restaurants.

ON-SITE ONLY REGISTRATION AND PROGRAM:

Registration will be **on site only**. The fee structure is:

$25	for regular members of the MAA or the AMS
$5	for emeritus members
$5	for graduate or undergraduate students
$45	for nonmembers of either MAA or AMS

This joint meeting will have a full program. The program will be available around February 1 at the AMS meeting web site. Look carefully at the program and consider staying through Sunday. Most of the sessions will be held in the Instructional Center (number 55 on the campus map at www.gatech.edu).

HOTEL INFORMATION:

Participants should make their own arrangements directly with a hotel of their choice. **Because there is a technical convention of 20,000 attendees and the ACC Men's Basketball Conference (40,000 expected) in Atlanta over the same weekend as the meeting, accommodations may sell out early.** Blocks of rooms have been reserved at special rates at the properties below for the nights of Thursday, Friday, and Saturday, March 7-9. Room rates do not include the tax of 14%. Please cite the group name **Georgia Tech Math** when making a reservation. Hotels have varying cancellation or early checkout penalties; be sure to ask details when making your reservation. The AMS and MAA are not responsible for rate changes or for the quality of the accommodations.

Joint Southeastern Section MAA Meeting
Southeast Regional AMS Meeting

March 8 – 10, 2002
Georgia Institute of Technology
Atlanta, GA

MEETING ANNOUNCEMENT:

The eighty-first annual meeting of the Southeastern Section of the Mathematical Association of America is a joint meeting with the Southeast Regional AMS. It will be held on Friday afternoon, March 8 and Saturday morning and afternoon, March 9, 2002. AMS-sponsored talks will continue on Sunday morning, March 10. The Association invites all interested persons to attend this meeting and requests the assistance of all department chairs, faculty, and members of the Section in providing publicity. Meeting registration for all AMS and MAA members will be on-site only and entitles all members to attend all talks Friday through Sunday, with the exception of Friday morning short courses for which there is a separate pre-registration.

CALL FOR PAPERS:

Both research and expository papers in the areas of mathematics, the teaching of mathematics, and mathematics education are solicited for the program. Titles and abstracts must be received no later than **January 22, 2002. ONLY ELECTRONIC SUBMISSIONS AT THE AMS MEETING SITE ARE BEING ACCEPTED.** The address is http://www.ams.org/amsmtgs/sectional.html. Please indicate the general mathematical area of the paper on the abstract. For special sessions, twenty minutes are allowed for the presentation of each paper. For contributed papers, ten minutes are allowed for the presentation of each paper. Contributed paper sessions for presentations by students, graduate or undergraduate, will be specially designated as well. For the general mathematical area, please indicate it is a student paper.

POSTER SESSION ON UNDERGRADUATE RESEARCH:

This session features results of research by undergraduate students. Students are encouraged to present their research from academic-

Days Inn Peachtree, 683 Peachtree St., Atlanta, GA 30308, 404-874-9200, 404-873-4245 (fax). Rates are $69/single or double; approximately 2/3 mile from the meeting site. Deadline for reservations is **February 7, 2002.**

Fairfield Inn by Marriott in Midtown Atlanta, 1470 Spring St., NW, Atlanta, GA 30309, 404-872-5821, 404-874-3602 (fax). Rates are $89/single or double; approximately 1.5 miles from the meeting site. Deadline for reservations is **February 7, 2002.**

Hampton Inn (Atlanta-Midtown), 1152 Spring St., Atlanta, GA 30309, 404-872-3234, 404-872-2434 (fax). Rates are $89/single or double. Rates include free parking, coffee in rooms; approximately one mile from the meeting site. Deadline for reservations is **February 8, 2002.**

Holiday Inn Express North Ave., 244 North Ave., NW, Atlanta, GA 30313, 1-800-HOLIDAY (465-4329) or 404-881-0881. Rates are $80/one king bed or $87/two double beds; approximately three to four blocks from the meeting site. Deadline for reservations is **February 15, 2002.**

Regency Suites Hotel, 975 West Peachtree at 10th St., Atlanta, GA 30309, 800-642-3629, 404-876-5003, 404-817-7511 (fax). Rates are $89/king bed or $99/two double beds. Parking is $8/night; approximately one mile from the meeting site. Deadline for reservations is **February 7, 2002.**

Wyndham Midtown Atlanta, 125 10th St., NE, Atlanta, GA, 404-873-4800. Rates are $108/single or $118/double; approximately one mile from the meeting site. Deadline for reservations is **February 7, 2002.**

TRANSPORTATION:

Atlanta is a major transportation hub with an international airport served by numerous airlines.

On-campus parking next to the Student Center is free Saturday and Sunday, $0.50/hour on Friday.

UPDATES:

Meeting updates can be found at the AMS Meeting website http://www.ams.org/amsmtgs/sectional.html
OR the MAA Southeastern Section website **http://www.huntingdon.edu/MAA.**

Abstract: The presenter has taught an online introductory mathematical modeling course since fall of 1998. She will present practical ways to deliver course content using the Internet. These methods are applicable to online classes or classes in which students and professor meet face to face. Some of the topics the workshop will include are course structure, presentation of mathematical content, video and audio streaming, testing, and WebCT. If the equipment and software can be provided, participants will produce a short mathematics lesson.

MAA-SE Short Course Registration Form

A printable version of this form is available on the section website at http://www.huntingdon.edu/MAA.

Name _____

Address _____

_____

E-mail/phone _____

Indicate your preference of course by checking the appropriate line; if you have more than one choice, indicate your first choice as 1, your second as 2, etc.

_____ Cryptology: Mathematics, Craft, and Implementation,

_____ An Introduction to the Mathematics of Biology

_____ Optimal Use of Technology in Teaching Geometry at the College-University Level,

_____ Teaching Mathematics from Afar,

Mail this completed form with a check payable to the MAA in the amount of $20.00 (non-refundable) before **February 15, 2002** to the SECRETARY:

Stephen Davis

Chair, Department of Mathematics

Davidson College

Box 6931

Davidson, NC 28035-6931

NC STATE UNIVERSITY

Graduate Programs in Mathematics

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For further information about our programs and the application process, visit our web page at

http://www.math.ncsu.edu/grad.html

or write to:

Graduate Program Secretary
Department of Mathematics
Harrelson Hall, Box 8205
Raleigh, NC 27695-8205
(919) 513-2301
graduate@math.ncsu.edu

Our web pages provide additional information on faculty/student re-search, departmental seminars, social events and extra curricular activi-ties, assistantship stipends and benefit plans, fellowship opportunities, and the rich cultural, entertainment and employment resources of the surrounding Research Triangle.

Visitors to the Mathematics Department are always welcome. Faculty and students will be glad to meet with you, share their experiences and answer your questions.

participate in the Park City - IAS summer mathematics institute last year. She learned lots and is planning to apply to other summer research programs this year. Priyanka is also the newest President of our Math Club.

The Departments of Mathematics and Computer Science at the College of Charleston recently received a $400,000 award from the NSF CSEMS program for undergraduate math and computer science scholarships. Dinesh Sarvate was awarded our campus Distinguished Advising Award and Mick Norton was awarded our School of Sciences and Mathematics Distinguished Achievement Award. Herb Silverman just completed his first year as Distinguished Professor. Rose Rowland, Associate Professor, and Leomy McKelvey, our Office Manager, are retiring from the College of Charleston this December. We'll miss both of them! (Submitted by Deanna Caveny)

Columbus State University (Columbus, GA)

Jerrel Yates will be retiring after Spring 2002. We will be hosting our annual Columbus State University Invitational Math Tournament for high schools in western Georgia and eastern Alabama on Saturday, March 2, 2002. The tournament is recognized by the GCTM as a qualifying round for their statewide tournament. Eugen Ionascu is the new Georgia director of the American Mathematics Competitions, grades 8, 10, and 11. (Submitted by Tim Howard)

Davidson College (Davidson, NC)

At the section meeting, be sure to shake the hand of L. Richardson (Richie) King who won Davidson's prestigious Hunter-Hamilton Love of Teaching award, the only faculty award made at commencement. This will be Richie's last "business trip" to the section since he is retiring at the end of this year after many years of dedicated teaching. Rich Neidinger is on sabbatical this year doing research in numerical analysis and learning Spanish. In November, he will visit two schools in England, the Royal Military College of Science in Shrivenham and the University of Hertfordshire.

Laurie Heyer is an organizer of the DIMACS Workshop on Analysis of Gene Expression Data, Oct 24-26 at Rutgers. John Swallow will be the speaker at an MAA State dinner this spring at Greensboro College. John and Ben Klein took part in the AP Calculus Reading last summer and Ben continues on the AP Calculus Test Development Committee. Irl Bivens & Ben Klein continue as the editors of the problem section of the College Mathematics Journal; please contribute problems!

Our Bernard Lecturer this fall was Carl Pomerance, who is well known in the section. We were delighted to see colleagues from other schools there.

Last spring, our student awards went to senior Randy Skattum and sophomore Adriel Cornman. (Submitted by Richard Neidinger)

Duke University (Durham, NC)

A team of three Duke students won the 61st annual W. L. Putnam mathematical competition that was held on Saturday December 3, 2000. Duke beat out MIT, Harvard and 431 other teams from colleges and universities throughout the US and Canada to capture the $25,000 prize. This is the third win for Duke since 1993. Duke teams have finished first, second or third in the Putnam five times since 1990. John Clyde '01, Nathan Curtis 02, Kevin Lacker '02, and Carl Miller '01 each ranked among the top 15 of the 2818 participants and each will receive a check for $1000. Freshman David Arthur and senior Michael Colsher received Honorable mention for being among the top 2%. Senior John Thacker and sophomores Matthew Atwood and Daniel Wong ranked among the top 15%. This has been the best overall performance by Duke ever in the prestigious Putnam competition, according to associate professor of mathematics and contest advisor, David Kraines. In addition to individual rankings, each school designates a team of three and the team with the lowest combined ranking is declared the winner. The combined ranking of team members Clyde, Curtis and Lacker was the best ever at Duke. Each team member will receive an additional $1000. For more information, see http://math.scu.edu/putnam/ and http://www.math.duke.edu/news/awards/competitions.html#putnam.

For the fourth straight year, a team from Duke has been designated as Outstanding in the Mathematics Contest in Modeling (MCM). Working from 12:01 am Friday February 9 until 11:59 Monday February 12, the team of junior Sam Malone and seniors Carl Miller and Daniel Neill produced a 47 page paper describing and evaluating strategies to evacuate a half million people from coastal communities when a hurricane threatens. Twelve of the 579 papers submitted from around the globe were declared Outstanding. These papers will be published in the journal Undergraduate Mathematics and its Applications. This is Malone's third straight Outstanding performance on the MCM and Neill's second. For more information, see http://www.comap.com/undergraduate/contests/mcm/index.html andhttp://www.math.duke.edu/news/awards/competitions.html#modeling. (Submitted by David Kraines)

Francis Marion University (Florence, SC)

Dr. Damon Scott has joined the Department as an Assistant Professor. Damon previously taught at Wabash College and Belmont Abbey College. He earned a Ph.D. in Mathematics from Duke University and a M.A. in Music Theory from Eastman School of Music. His current research interest is in Logic. After 13 years in the Department, Dr. Catherine Abbott has left FMU to become a professor at Keuka College in New York. She joins her husband in New York who teaches physics at a nearby college. Mr. Doyle Daughtry has joined us for the Fall 2001 semester as an Adjunct Professor. Mr. Daughtry is retired from the Air Force and has previously taught at East Carolina University, State University of New York at New Paltz, and the U.S. Military Academy. Doyle is covering for Dr. Roger (Bucky) Allen, Jr., who is on a one semester sabbatical at Western Carolina University.

Dr. James Ramey, Jr., received the 2001-02 FMU Award for Excellence in Teaching. Dr. William Richardson has recently earned his Ph.D. in Biomathematics from the Medical University of South Carolina. Dr. George Schnibben has been promoted to Professor. Dr. William Fox, Chairman of the Department, has been awarded tenure.

Student news includes activities of the Math Club and its members. Andrew Harris participated in the Poster Session at the MAA-SE meeting at Huntington College. Glynn Hulley, a dual mathematics and computational physics major, accepted a summer internship with the NASA Visiting Student Enrichment Program at Goddard Space Flight Center in Greenbelt, MD. Andrew, Glynn and Shenek Heyward participated in the Putnam Competition. Andrew, Glynn, and Christy Floyd were Successful Participants in the Modeling Competition in Mathematics. (Submitted by Tom Fitzkee)

Furman University (Greenville, SC)

The Department of Mathematics at Furman has had a good year. As always, we are proud of our students' accomplishments, and this year was quite special. Luke Chuang ('02) won a Goldwater Scholarship, Adair Ford ('02) won a Truman Scholarship, and Scott Martin ('01) was selected as a member of USA Today's All-USA Academic Team.

Our department hosted the annual Wylie Mathematics Tournament in March. Twenty-nine schools and five states were represented. Also in March, the department hosted the 2001 Southeast Regional Meeting on Numbers. "SERMON at Furman" was a success.

Professor Kenneth Ribet of UC-Berkeley was Furman's 2001 Clanton Visiting Mathematician. Ribet, whose most well known mathematical accomplishment was a theorem that set the stage for the proof of Fermat's Last Theorem, gave two lectures during his visit to Furman. The 2002 Clanton Visiting Mathematician will be George Andrews of Penn State. His lectures will be given on Thursday, May 2, 2002. Mark your calendars --- we would love to have you join us! (Submitted by John Harris)

Georgia Perimeter College, Clarkston Campus (Decatur, GA)

Virginia Parks was promoted to professor. Anant Honkan was awarded tenure. Linda Boyd retired September, 2001. Susan Nelson has joined the Mathematics/Computer Science/Engineering faculty at the Clarkston Campus of GPC.

Dr. Virginia Carson, former Department Chair and Dean of Academic Services at Clarkston Campus is now Vice President of Academic Affairs at Floyd College in Rome, GA. Charles Stone has come back from retirement to serve as Interim Department Chair for Clarkston Campus. The college/ department are searching for a permanent Department Chair for Mathematics/ Computer Science/Engineering at Clarkston Campus.

Ray Collings begins his two-years as Chair of the MAA S.E. Section. This summer he was appointed "Cluster Coordinator in Mathematics" for the Georgia State University/Georgia Perimeter College Cluster in a project

The University of Georgia

Mathematics Department

Research – The University of Georgia Mathematics Department is one of only thirty departments with a National Science Foundation VIGRE grant to support the integration of undergraduate and graduate education with faculty research. Doctoral and Masters degrees are offered in pure and applied mathematics. There are fifty research faculty, including ten postdocs. The department has strength in algebra, analysis, applied math, geometry, number theory, and topology. The *US News and World Report* ranks the number theory program in the top ten of the nation.

Graduate Assistantships – Most students admitted into the graduate program receive teaching assistantships. For the 2001-2002 academic year, these assistantships will pay $12,000 – $13,000. Additional summer support is also available. VIGRE fellowships, which are available for US citizens and permanent residents, provide support for up to three years of the five-year PhD program. The VIGRE stipend is $21,000 per year, including summer. Students with teaching assistantships or VIGRE fellowships pay only $25 per semester in tuition.

Attractions – Athens is a vibrant college town with a thriving downtown area and rich culture, which includes a world famous music scene. It is located sixty-five miles east of Atlanta and fifty miles south of the Appalachians.

Contact Information – Please visit *www.math.uga.edu* for additional information, or write to:

Professor Joe Fu, Graduate Coordinator, Department of Mathematics
University of Georgia, Athens, GA 30602 (706-542-2211, fu@math.uga.edu)

entitled "Quality Undergraduate Education". The goal is faculty development and better curriculum coordination in transfer of our two-year college students to the four-year college. It is part of a national project, funded by Pew and Mobil/Exxon Foundation .

A Clarkston Campus GPC Team won the third place team trophy at the 7th Annual Gainesville Mathematics Tournament, 4/7/2001 at Gainesville College. A Clarkston Campus GPC student, Tengshou Zhuang, won second place in the individual competition at 7th Annual Gainesville Mathematics Tournament, 4/7/2001 at Gainesville College.

The 15th Annual GPC Math Conference: Theme is "Using the Past to Shape the Future" February 8 - 9, 2002 where John Hornsby will give the opening address: "Using the History of Mathematics to Motivate Students." For the first time, the location of the conference will be at the Dunwoody Campus of GPC.

Virginia Carson is the editor of the AMATYC Review. Jackie Thornberry is the Production Editor of the AMATYC Review. (Submitted by Virginia Parks)

Greensboro College (Greensboro, NC)

Greensboro College will host the Spring 2002 North Carolina State Dinner on Wednesday March 20, 2002. The Guest Speaker will be Dr. John Swallow of Davidson College. The title of his talk is "A Coat of Many Colors: Fermat's Last Theorem." (Submitted by Jane Brandsma)

Guilford College (Greensboro, NC)

Elwood Parker gave a talk at the 4th Annual Legacy of R. L. Moore Conference in May. The title was "The Moore Method through J. R. Boyd and its Use and Results at Guilford College" (joint with Rudy Gordh)..

Rudy Gordh taught mathematics at the Governor's School West at Salem College this summer. The lead teacher in mathematics was a former Guilford student, Todd Lee, now at Elon college.

Jill Wiesner is on personal leave this year. (Submitted by Rudy Gordh)

Jacksonville State University (Jacksonville, AL)

This year, the department will continue to conduct the Alabama Statewide Mathematics Contest (http://mcis.jsu.edu/mathcontest), which is directed by Jeff Dodd. The department will also host two other math tournaments this spring: the local MATHCOUNTS Tournament and the Calhoun County Math Tournament, and will help administer the Alabama Science Olympiad.

Jason Huffman had a paper, "Algebraic properties of the Mikusinski convolution algebra" (with H. Heatherly), appear in Acta. Math. Hungar. and another paper, "Convolution algebras arising from an integral transform and applications" (with H. Heatherly), accepted by Int. J. Math. Sci. Tom Leathrum had his set of mathematical Java applets (which he calls Mathlets,

see http://cs.jsu.edu/mcis/faculty/leathrum/Mathlets/) incorporated into a new calculus text which will soon be released by Addison-Wesley. Jeff Dodd had a paper, "Some Combinatorial Questions", appear in the Alabama Journal of Mathematics. David Dempsey has been awarded a Project NExT Fellowship for 2001-2002.

Fred Kelley was among the principal investigators of a group of JSU faculty, headed by Guillerimo Francia of the Computer Science Department, which has been awarded a $400,000 grant by the National Science Foundation to fund 29 low-income mathematics, computer science, and engineering technology majors over the next four years.

Edwin Smith received the College of Arts and Sciences Distinguished Research Award for 2000 - 2001. Jason Huffman received the College of Arts and Sciences Distinguished Teacher Award for 2000-2001. And Deborah Primm received the College of Arts and Sciences General Studies Award for Teaching Excellence. (Quite a year for our department!)

Professor Rodney Shirey retired from the department after 35 years of teaching mathematics at JSU.

Finally, our department has gained three new faculty me mbers. Jan Case joins us as an Associate Professor of Mathematics, and Errin White and Amy Franklin join us as Instructors. Edwin Smith was awarded tenure and promoted to Associate Professor. (Submitted by Jeff Dodd)

Kennesaw State University (Kennesaw, GA)

Dr. Lewis VanBrackle continues as the acting department chair. Dr. Marla Bell was promoted to Associate Professor. Dr. Joseph DeMaio received tenure.

Two new assistant professors joined the department this year. Josip Derado received his Ph.D. in Mathematics at the University of Connecticut and was a post doc fellow at the Southeast Applied Analysis Center in the School of Mathematics at the Georgia Institute of Technology. Wendy Sanchez received her Ph.D. in Mathematics Education in May 2001 at the University of Georgia. We also have four temporary instructors this year, Susan Calvin O'Connor, Ron Hoover, Tom Womack and Stephen Bell. (Submitted by Virginia Watson)

Lander University (Greenwood, SC)

Dr. John Hinkel, Professor of Mathematics and Computer Science, retired from Lander University on June 30, 2001. Dr. Hinkel joined Lander in 1981 after previously teaching at Armstrong State College (now Armstrong Atlantic University) in Savannah, GA. Dr. Pattie Blitch has been reappointed for her second three-year term as the Chair of the Division of Mathematics and Computer Science, beginning July 1, 2001. Professor Terri Honeycutt was awarded tenure, effective August 2001. Dr. Chaz Schlindwein was promoted to the rank of Associate Professor of Mathematics and Computer Science, effective August, 2001. (Submitted by Bruce F. White)

Meredith College (Raleigh, NC)

On September 20 & 21, Carl Leinbach of Gettysburg College visited our department as part of the Meredith Technology Initiative. He met with faculty and students, demonstrating instructional technology in the mathematics (and computer science) classroom.

The NCCTM elected Junior Taryn Slozak as the Outstanding Mathematics Education Student of the Eastern Region.

Jeane Joyner of the Department of Public Instruction and Gwen Clay have received a $1.6 million grant from the National Science Foundation to implement a TEAM II program in North Carolina. TEAM stands for Teaching Excellence in Mathematics and this program is similar to the early 90's program, TEAM. The emphasis will be to strengthen leadership in mathematics teaching and learning in North Carolina elementary schools by working for five years with teachers of grades K - 6 from across the state. The 66 teachers involved have a large commitment of support from their school systems as well as from the National Science Foundation.

The Math Mentoring Program for eighth-grade girls is now entering its ninth year. Last year there were 162 students in Durham and Wake counties, and 89 volunteer math mentors linked up. Thanks to a substantial donation from Ericsson, Inc., seven participating students were also awarded scholarships to attend summer enrichment programs in math, science and technology. The co-directors are Dr. Virginia Knight and Paula Sloan.

Last July, two enhancement programs in mathematics and computing for young women were held on the Meredith campus. Math Week at Meredith, a residential program for rising high school sophomores, was led by Jennifer Hontz. "Girls on Track" is a three-year NSF supported project aimed at increasing middle grade girls interest in math related careers by engaging them in computer based mathematical explorations of urban and community problems. It was planned by Ginny Knight and Sally Berenson of NCSU.

Dr. Jennifer Hontz and Dr. Cammey Cole were appointed to tenure track positions. Leslie Creek was appointed to a newly created position of computer application specialist. Dr. Martha Bouknight and Dr. Josephine Guglielmi will be retiring at the end of this academic year. We will miss both of them and hope they will come back for many visits. (Submitted by Vivian Kraines)

Mercer University (Macon, GA)

Dr. Tony Weathers, who joined the Mercer faculty last fall, has been selected as a Project NExT fellow for academic year 2001-2. Dr. Carolyn Yackel, an algebraist who earned her doctorate from the University of Michigan, is a new assistant professor of mathematics. Prior to coming to Mercer, she was a Max Zorn Visiting Assistant Professor at Indiana University. Dr. Oleg Pavlov, a topologist who earned his doctorate from Ohio University is, is a new visiting assistant professor of mathematics. He came to us from a similar position at Wesleyan College last year.

The Seventeenth Annual Mercer University High School Mathematics

University of South Florida
Department of Mathematics
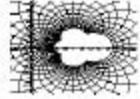
Graduate Programs

Programs leading to MA and PhD degrees are available in Algebra, Analysis, Applied Mathematics, Approximation Theory, Control Theory, Differential Equations, Probability, Statistics, Theoretical Computer Science, Topology and other areas.

The Department

The research of our 28 faculty members represent most areas in pure and applied mathematics. The Department includes *The Institute for Constructive Mathematics* which performs applied research for government and industry. Three international journals have their editorial base at our department: *Constructive Approximation*, *Abstract and Applied Analysis and Journal of Theoretical Probability.*

Financial Assistance

•   A limited number of University Graduate Fellowships of minimum $11,000 for 9 months are available for **new students** starting Fall 2002. They carry a tuition waiver and no service for the department is required. Funds can be supplemented with a partial Teaching Assistantship.

•   Teaching Assistantships with minimum of $12,000 for 9 months with tuition waiver are available. Students holding these awards perform instructional duties for the Department. Summer Teaching Assistantships are also available.

•   A limited number of students are awarded Tharpe Scholarships in addition to their Teaching Assistantship or Graduate Fellowship. These awards range from $2,000 to $5,000.

The University and Tampa

The University of South Florida is a large and diverse community with the main campus on 1,748 acres located on the outskirts of Tampa. The warm sunny climate allows outdoor activities throughout the year. Tampa Bay is a resort area offering numerous recreational and cultural attractions.

For more information: **visit:** www.math.usf.edu, **call:** 813-974-9566 or 813-974-5329, **e-mail:** ga@math.usf.edu, **write:** Graduate Admissions Director, Department of Mathematics, University of South Florida, PHY114, Tampa FL 33620-5700.

Contest will be held November 10, 2001. (Submitted by Curtis Herink.)

Montreat College (Montreat, NC)

Gloria Nan Dupree is beginning her second year as Coordinator of Mathematics and Assistant Professor. She came to Montreat College from the Oklahoma School of Science and Mathematics in Oklahoma City where she was a member of the Inaugural Faculty and instrumental in the development of the mathematics curriculum. She earned her Ph.D. in Instructional Leadership and Academic Curriculum with an emphasis in Mathematics Education from the University of Oklahoma in 1999. She also holds degrees from the University of Montevallo and Troy State University. In the spring of 2001, she was honored with a trip to Washington, D.C. as a 2000 Presidential Awardee for Excellence in Mathematics and Science Teaching from the State of Oklahoma. Gloria has been an active member of MAA since 1986 and received the 1997-1998 High School Teacher of the Year for Oklahoma from the OK-AR Section of MAA. (Submitted by Gloria Dupree)

North Carolina A&T State University (Greensboro, NC).

Dr. Thomas Clarke was elected President of the Faculty Senate of North Carolina A&T State University. He was formerly the Secretary of the Faculty Senate. Dr. Guoqing Tang was named Director of Research for the College of Arts and Sciences. His duties include coordinating research activities within the College of Arts and Sciences. Dr. Dominic Clemence was tenured and promoted to the rank of Professor effective July 1, 2001. Dr. Alexandra Kurepa was promoted to the rank of Professor effective July 1, 2001. Dr. Kathy Cousins-Cooper was tenured and promoted to the rank of Associate Professor, effective July 1, 2001.

Ms. Sitrena McLendon, mathematics department secretary and administrative assistant to the mathematics department chair, Dr. Wilbur Smith, retired after 35 years of service. A retirement luncheon was held in her honor at Olive Garden with 100 percent of the math department's full time, and several part-time and retired, faculty members in attendance. She is greatly missed.

Dr. Guoqing Tang visited his native China in summer 2001, to maintain professional connections as well as visit family. He gave a 10 - day lecture series at Changzhou Teacher's College of Technology. He is the chair of the a newly established Committee on Information Technology in the mathematics department. In addition, Dr. Tang oversaw the installation of a new "Smart Classroom" (obtained through the Talent-21 Program). The classroom has dual LCD projectors, a computer, a document projector, a VCR, and a DVD player, which now allows more extensive use of instructional technology in curriculum development and classroom instruction.

Dr. Errol Rowe chairs a new joint committee between the mathematics department and the College of Engineering to improve the mathematics learning of engineering majors. Dr. Gregory Gibson, Dr. Dominic Clemence, and Dr. Janis Oldham are additional math faculty on the

committee.

Professor Patricia Shelton is the Departmental Director of the Math/ Science Learning Resources Center. The Center has a Title III grant of $59,000. The Center serves general education students in mathematics, and is a model for the other sciences in their approach to tutoring. Belinda Clemence coordinates the tutoring activities for both mathematics and the sciences, and manages the lab.

Dr. Shea D. Burns did research at the NASA Goddard Space Flight Center in Greenbelt, Maryland, in the Climate and Radiation Branch (as part of the NASA/ASEE Faculty Development Program) during the summer of 2001. Her research involved analyzing meteorological data using the Hilbert-Huang Transform method. In addition Dr. Burns (a graduate of NCA&TSU's undergraduate mathematics program) gave an invited talk at the Conference for African-American Researchers in the Mathematical Sciences (CAARMS) VII Conference held June 19-22, 2001 at Duke University. This was a particularly gratifying time for the undergraduate mathematics program at A&T, whose graduates were present at the conference at all levels: an invited speaker, a graduate student poster presenter, a conference attendee who is a second year graduate student at North Carolina State University, and two seniors who graduated from A&T that summer, both of whom are now in Masters programs.

Honors courses are being taught in the mathematics department for the third year since the implementation of NCA&TSU's new Honors Program. Honors courses are offered for Calculus I, Calculus II, and Differential Equations. In addition, students in the Honors Program can contract with any willing faculty to take any mathematics course for honors credit. Honors courses have been taught by Dr. Thomas Clarke, Dr. Dominic Clemence, and Dr. Janis Oldham. These faculty and others have contracted with students to do honors projects. At the North Carolina Council of Teachers of Mathematics Conference held on October 11, 2001 at the Koury Convention Center in Greensboro, North Carolina A & T students Laveda Casterlow, Howard Conyers, and Roy Melton presented their Freshman Calculus Research Projects conducted last year under the direction of Dr. Gilbert Casterlow, Jr., Professor of Mathematics at NC A&T State University

Dominic Clemence traveled to VISTA University, Bloemfontein, South Africa (under NSF sponsorship) to collaborate with T. M. Acho on ongoing research on Sturm-Liouville problems with interior poles. In addition, he visited University of Cape Town, South Africa, and the National University of Science and Technology, Zimbabwe (under Tyco Electronics sponsorship) to develop collaborations in incorporating technology into the secondary school mathematics and science curriculum. Also, Dr. Clemence completed his fourth year as NC A&T faculty coordinator for the NASA SHARP (Summer High School Apprenticeship Research) Plus program, hosting 20 high school students engaged in research with various mentors on the A&T campus. He co-mentored four of the students in their research, two with Belinda G. Clemence of the Math/Science Learning Resource Center, and two

THE UNIVERSITY OF TENNESSEE, KNOXVILLE

The University of Tennessee, Knoxville *offers Master's and Ph.D. programs in applied and pure mathematics and invites applications for graduate student teaching and non-teaching positions for the 2002-2003 academic year.*

SPECIAL AWARDS: The department offers Science Alliance Associateships and Dryzer Teaching Fellowships to outstanding candidates. Stipends for these range between $12,256 and $15,538 and in some cases offer a reduction in teaching duties.

STANDARD TEACHING APPOINTMENTS: They are the Graduate Teaching Assistantship for students with fewer than 18 hours of graduate credit in mathematics and the Graduate Teaching Associateship for more advanced students. Stipends for 2001-2002 range from $11,257 - $12,538 and may be increased for 2002-2003. The teaching load for each of these positions is 5 contact hours/week (on average) during each of two semesters. Tuition and maintenance fees will be remitted for both semesters and the subsequent summer term. As Ph.D. students with teaching associateships progress through the qualifying examinations, they receive both teaching reductions and an increase in the basic stipend.

GENERAL INFORMATION: Applicants for financial aid will be considered for all available awards. Recipients will continue to receive at least a standard assistantship after the initial award ends as long as satisfactory academic progress and teaching performance are maintained.

For further information about the department and application forms, contact Assistantship Committee, Department of Mathematics, University of Tennessee, Knoxville, Tennessee 37996-1300, e-mail: gradprogram@math.utk.edu or use a browser and view our web site at www.math.utk.edu.

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with Frederick Ferguson of NASA CAR.

The book that Alexandra Kurepa co-authored, "Matematika 4 - Introduction to Calculus", has been published by Skolska Knjiga, Zagreb, 2001 in Serbo-Croatian. She also co-authored a paper, "Dynamical Systems in Two Music Compositions", that appeared in *Mathematics and Computers in Modern Science: World Scientific and Engineering Society* (2000). She again received a grant from the Association for Women in Mathematics in the amount of $3000 and organized the *NCA&T Sonia Kovalevsky Day* on November 2, 2000. On April 19, 2001 she again organized the *A&T Math Awareness Day*, which this year was in part sponsored by the College of Arts & Sciences' Talent 21(NSF) program. Again, talks by undergraduate and graduate student from North Carolina A&T and Wake Forest University were featured, in addition to a demonstration by Dr. Gregory Gibson of mathematical modules developed under an NSF grant, "Enhancing Mathematics Courses Through Engineering Applications."

Paramanathan Varatharajah, Associate Professor , presented a research paper: "Numerical Singular-Value Decompositions of Tomographs with Dilute Uniformly Redundant Array Pinhole Configurations," at the SIAM (Society of Industrial and Applied Mathematics) Annual Meeting in San Diego, CA on July 13, 2001. This paper was co-authored by John Aarsvold and James Nagy at Emory University and Najja Al-Islam at North Carolina A&T State University.

On April 12, 2001 the Math department once again hosted high school students participating in the state high school math contest. NCA&TSU is a regional site. Dr. Gilbert Casterlow coordinates the effort, with assistance from the NCA&T chapter of Pi Mu Epsilon, and faculty volunteers. The effort is jointly sponsored by the NCA&TSU Math Department, Pi Mu Epsilon, and GAMSEC (Greensboro Area Mathematics and Science Education Center.)

The Mathematics department has for the first time run its new course Math 105: Seminar for Freshmen and New Mathematics Majors. The goal of the course is to guide and develop proper mathematics study habits, and develop informed mathematics majors. Seminar topics include "How to study mathematics", "Careers in the Mathematical Sciences", and much more. For instance, careers are discussed with an attempt to focus the students on the fact that different choices of courses will better prepare them for a particular career. The course was developed by the mathematics department's Committee on Teaching and Learning Mathematics. Different faculty have taught different sessions of the seminar course. The course is directed by the head of advising in the Mathematics Department, Professor Patricia Shelton, and the Committee's Chair, Dr. Janis Oldham. Additional Committee members include Professor Shelton, Dr. Gilbert Casterlow, Dr. Robert Mers, Dr. Guoqing Tang, and Dr. Dominic Clemence. (Submitted by Janis Oldham)

Pellissippi State Technical Community College (Knoxville, TN)

There are three new math faculty members at Pellissippi State this fall. They are: Robert T. Jackson, Master of Science in Teaching

Mathematics, University of Florida; Claire T. Suddeth, Master of Mathematics, University of Tennessee, Knoxville; Pamela Torbett, Master of Science, Mathematics, East Tennessee State University.

Judy Ahrens received a two-year continuation of and an increase in a NSF grant for scholarships, faculty mentoring, and professional mentoring for students majoring in mathematics, computer science, engineering or related technologies. The $275,00 grant targets talented, low income students and students in under-represented populations. (Submitted by Catherine Williams)

Presbyterian College (Clinton, SC)

Presbyterian College's Doug Belknap and Elizabeth Cook each received 2001-2002 Neill G. Whitelaw Scholarships. T.J. Ackerly received the outstanding mathematics senior award as well as the overall outstanding senior award.

The CHAMPS Science and Math Workshop was this past September. Dr. Greg Goeckel gave a talk on "It's Probability for You", Dr. Joel Jones gave a talk on "You Can't Get There from Here", and Dr. Brian Beasley gave a talk on "Show Me the Money -- AND the Math!" (Submitted by Greg Goeckel)

Southern Polytechnic State University (Marietta, GA)

Steve Edwards has been named Program Head for the Mathematics Program. Joel Fowler has been named Assistant Vice-President for Academic Affairs. Meg Dillon is participating in the Faculty Development Program at Georgia Tech in the Department of Mathematics for the Academic Year 2001-2002. Kathleen Hall received an outstanding faculty award for the Academic Year 2000-2001. Simon Stricklen has been elected Moderator of the Faculty. (Submitted by Kathleen Hall)

Spelman College (Atlanta, GA)

Dr. Jeffrey Ehme is the new chair of the Mathematics Department. He is doing an outstanding job in this dual role (Chair/Teaching).

Dr. Yewande Olubummo presented a paper entitled "Existence of Minimizers for a Class of Monge-Kantorovich Problem" at the 960th meeting of the AMS in Birmingham, Alabama, in November 2000. Dr. Olubummo also gave an invited talk at Virginia State University, Department of Mathematics in February 2001. In the Spring of 2000, Dr. Jack Alexander was the Keynote Speaker at the MAA sectional dinner at Bowie State University. The speech was entitled, "The History of Mathematics in Color." Dr. Alexander also presented a short course on Computational Science/ Simulation at the NAM Faculty Research and Teaching Conference at Southern University in New Orleans, March 16, 2001.

Dr. Colm Mulcahy published an electronic article on Mathematical Card Tricks as guest contributor in the October 2000 issue of What's New in Mathematics at the AMS site. It's archived at: http://www.ams.org/new-in-math/cover/mulcahy1.html. This grew out of a March 2000 MAA short course entitled " An introduction to Mathematical Card tricks," given jointly with

Jeffrey Ehme of Spelman at the MAA Sectional Meeting in Charlotte, NC. A three-hour workshop "The Curves and Surfaces of The Digital Age" was given by Dr. Mulcahy at the International conference CIMAF 2001 (6th Symposium on Mathematics and 4th Italo-Latinoamerican Conference on Industrial and Applied Mathematics) in Havana, Cuba, 19th-23rd March 2001 . He also gave a three-hour workshop in "Image Compression Using Wavelets" at the same meeting.

On January 18, 2001, Dr. Nagambal Shah received the Martin Luther King, Jr., 2001 Community Service Award from Emory University. This year's Award ceremony was sponsored by The Rollins School of Public Health, The Goizueta Business School and The Nell Hodgson Woodruff School of Nursing of Emory School and the theme for this year's celebration was "Promoting Health and Economic Development Through Reconciliation and Diversity". The celebration culminated in the recognition of individuals, community organizations, and businesses that have significantly promoted reconciliation in Metro Atlanta. Dr. Shah was the recipient of one of the three individual awards. The citation read "For Exemplary Commitment to Quality Education and Diversity"

One major highlight for our Department this summer, was the movement into the new Science Center which houses the science, mathematics, and engineering programs. (Submitted by Gladys T. Glass)

Tennessee Technological University (Cookeville, Tennessee)
In the fall of the 2001-2002 academic year, three new faculty members were hired: Dr. Rick LeBorne, Assistant Professor, tenure-track; Dr. Sabine LeBorne, Assistant Professor, one-year visiting appointment; and Dr. Sam Narimetla, Assistant Professor, one-year appointment. Mrs. Sharon Glenn, Instructor, and David Butler, Assistant Professor, were rehired in their one-year appointments for the 2001-2002 academic year. Dr. Mike Breen resigned his position and is currently employed at MAA. Dr. Nizam Uddin is on leave for the 2001-2002 academic year and will be teaching as a visiting professor at the University of South Florida. Dr. Andrzej Gutek and Dr. Jeff Norden have been promoted to full professors. Mrs. Amy Knox resigned her position as Secretary II and the department hired Mrs. Patsy Peavyhouse as her replacement.

Dr. Bertfried Fauser from Universität Konstanz, Konstanz, Germany has visited the department and presented two talks (Grassman-Hopf and Clifford-Hopf Algebras: Construction and Rota-Stein Cliffordization and Projective Geometry, Peano Space, and Hopf Algebras.

Dr. Annie Selden has been appointed to a four-year term as an Editor of the volumes, Research in Collegiate Mathematics Education published by the American Mathematical Society for the Conference Board of the Mathematical Sciences.

The Stanley Dolzycki Memorial Scholarship, honoring a deceased member of the department, was awarded for the first time in May 2001 to graduate student Jing Chang. The Volpe Scholarship was awarded to Brian

Moazen, and the Dunavin Scholarship was awarded to Jared Daniels. The S.A. Patil Award went to Josie Looney, and the Moorman Award went to Rebecca Gilliam.

The 6th International Conference on Clifford Algebras and their Applications in Mathematical Physics, Sciences, and Engineering, May 20-25, 2002 and a Lecture Series on Clifford Algebras, May 18 and 19, 2002 will be held at Tennessee Technological University in Cookeville, Tennessee. The conference is sponsored by AMS and funding is expected to come from NSF in support of graduate students, post-docs, recent Ph.D.'s, and women in minorities who are strongly encouraged to attend this international conference. The program of the conference and the list of plenary speakers are posted on the web page found at http://math.tntech.edu/rafal/cookeville/cookeville.html. Second call for papers has been issued. Pre-registration is already available via the page. For more information, please contact Dr. Rafal Ablamowicz, rablamowicz@tntech.edu, or call (931) 372-3569. (Submitted by Rafal Ablamowicz)

University of North Carolina at Chapel Hill (Chapel Hill, NC)

Yakov Eliashberg, Professor of Mathematics at Stanford University, presented the 2001 Brauer Lectures on the theme ``Holomorphic Curves in Symplectic Geometry: From Gromov's Width to Symplectic Field Theory''.

Professor David Cai has been awarded a Sloan Fellowship (joining Professors Adalsteinsson and Minion, who hold continuing Sloans).

Professor Idris Assani spent June 2000 as a visitor at IRMA, Strasbourg. He received an IBM/FITAC grant to support development of innovative uses of technology in instruction, as did Professors Sue Goodman, Jane Hawkins, and Ted Scheick, Lecturers Kim Johnson and Mark McCombs, and graduate students Chris Moseley and Rachelle DeCoste.

Professor Roberto Camassa was on leave at the Los Alamos National Laboratory and Loughborough University (UK) during Spring 2001, doing research on nonlinear waves in stratified fluids, and was an invited speaker at the Rome workshop ``Many-Body Systems of Calogero Type'' in May. Along with colleagues from five other UNC departments, he received an NSF Major Research Instrumentation grant to purchase a distributed, high performance computing system for the Applied Sciences.

Austin H. Carr Professor Ivan Cherednik delivered a special course of lectures at Harvard in the spring semester on "The Fourier Transform and Double Hecke algebras".

Professor Joseph A. Cima is coauthor of The Backward Shift on the Hardy Space, a book published by the AMS.

Professor Jane Hawkins delivered the Leonard C. Sulski Memorial Lecture at Holy Cross College in March, 2001 on "Smoothing Out the Rough Edges of Fractals". Since 1999 she has regularly served on the faculty of the Summer Program for Women in Mathematics at George Washington University.

Professor Shrawan Kumar was a Senior Visiting Fellow at the

Newton Institute in Cambridge, England, January-June 2001. His book, "Kac-Moody Groups, Their Flag Varieties and Representation Theory", will be published in the fall by Birkhauser, and he has been awarded a Reynolds leave for fall 2001.

Professor Kenneth T-R McLaughlin co-organized an IMA workshop on "Dispersive Corrections to Transport Equations" and an AMS special session on "Integrable Systems and Riemann-Hilbert Problems".

Professor Richard M. McLaughlin was an invited speaker at the "Workshop on Mixing in the Atmosphere and Ocean" at the Center for Atmosphere Ocean Studies of Courant Institute, December 2000.

Professor Karl Petersen delivered an invited lecture series on "Information Compression and Retention in Dynamical Processes" at the Workshop on Dynamics and Randomness, University of Chile, Santiago, December 2000. He spent May-June 2001 as a visiting professor and researcher at the University of Amiens, France.

Professor Robert Proctor was an invited guest of the University of New South Wales, Sydney, Australia, in June 2000, delivering two lectures there.

Professor Michael Schlessinger retired at the end of June 2001. He will be continuing his work on algebraic deformation theory and moduli spaces.

Professor William W. Smith has returned to the Department from his position as Interim Associate Provost.

Ernest Eliel Professor Alexander Varchenko made extended research stays at ETH Zurich in May 2000 and May 2001 and the Max Planck Institute, Bonn, in May 2001.

Professor Mark Williams spent June 2001 as a visitor at the University of Nice. (Submitted by Ladnor Geissinger)

University of North Carolina at Greensboro (Greensboro, NC)
Dr. Robert Miller, retired, UNCG Department of Chemistry and a former Dean of the College of Arts and Sciences is the interim department head.

New faculty are: Mr. Mark Armstrong, lecturer in Computer Science, with areas of special interest in artificial intelligence and logic programming; Dr. Lixin Fu, Assistant Professor in Computer Science, with areas of special interest in data warehousing and data mining, databases, and algorithms; Dr. Scott Richter, Assistant Professor in Statistics, with areas of special interest in robust analysis of variance and equivalence testing; Dr. Shan Suthaharan, Assistant Professor in Computer Science, with areas of special interest in mobile and multimedia computing, networking and communications. New part-time faculty are: Dr. Dan Bass, lecturer in Mathematics Teacher Education; Mr. Dale Case, lecturer in Computer Science; Ms. Carri Richter, lecturer in Statistics; Dr. Tapan Sen, lecturer in Mathematics and Statistics. Dr. Andrew (Drew) Long and Dr. William (Bill) Love have retired. Dr. Bruce Landman is now Chair of the Department of Mathematics at State University

of West Georgia. Dr. Jie Wang is now a Professor in Computer Science at the University of Massachusetts, Lowell.

Dr. Paul Duvall spent summer 2001 with the Institute for Defense Analyses Center for Communications Research in LaJolla, California. Ms. Ginger Sallez received the UNCG College of Arts and Sciences Junior Alumni Teaching Excellence Award, spring 2001.

Dr. Shan Suthaharan is the General Chair of the 9th 2001 IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS'01) to be held in DoubleTree Hotel, Nashville, Tennessee, November 20-21, 2001. The symposium is co-sponsored by Tennessee State University, Vanderbilt University, TSU Center of Excellence in Information Systems, AVIPAC-Monash University (Australia), University of North Carolina at Greensboro, IEEE Nashville Section and technically co-sponsored by IEEE Signal Processing Society and IEEE Communication Society. The official web-site of ISPACS'01 is www.ispacs.org.

Dr. Jerry Vaughan addressed the Ninth Prague Topological Symposium in Prague, Czech Republic, August, 2001. Dr. Vaughan's invited talk was titled, "Examples of Linearly Stratifiable Spaces." This symposium is one of the largest meetings of topologists in the world and has met every five years since 1961. Dr. Vaughan presented an invited talk (titled "Recent results on ω_μ-metrizable and linearly stratifiable spaces") at the Ben Fitzpatrick, Jr. Memorial Conference, Auburn University, February, 2001, and he attended the 16th Summer Topology Conference, held at City College of New York, July, 2001. Dr. Vaughan was also a member of the conference organizing committee. Dr. Vaughan is Editor-in-Chief of the international research journal "Topology and its Applications," published by Elsiever, BV in Amsterdam.

Dr. Theresa Vaughan gave an invited talk (titled "On union closed families") at the Special Session in Analytic Number Theory at the meeting of the American Mathematical Society, University of South Carolina, Columbia, S.C. in March, 2001. (Submitted by Linda Kilgariff)

University of the South (Sewanee, TN)

David Rose, a mathematics major, was valedictorian of the Class of 2001 and is now attending graduate school in mathematics at the University of Illinois in Urbana. This is the third straight year that a mathematics major at Sewanee has been valedictorian of his graduating class.

We welcome two new members to our department this fall. Doug Drinen comes to us from Dartmouth College, where he held the John Wesley Young Instructorship. Doug received his bachelor's degree from Trinity University and his Ph.D. degree from Arizona State University, with a thesis in C*-algebras. Emily Puckette comes from Occidental College, where she taught mathematics for six years. She received her bachelor's degree from Smith College and her Ph.D. degree from Duke University, with a thesis in probability.

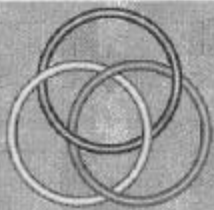Sewanee's administration has recently undergone a symmetric

transformation. Following his sabbatical leave this fall, Fred Croom will return to full-time teaching of mathematics, having served as provost of the University since 1984. Linda Bright Lankewicz will leave full-time teaching in computer science to assume the post of provost following her sabbatical leave this fall. Linda is currently doing research in computer science at Vanderbilt.

Clay Ross, having taught at Sewanee since 1973, has announced his retirement from full-time teaching following this year. Clay, who recently completed a term as chair of our department, is the author of a Springer-Verlag differential equations text using Mathematica. Chris Parrish has returned this fall after studying computer science "down under" at James Cook University in Townsville, Queensland, where he spent his sabbatical leave. Lucia Dale presented a paper this summer at a computer science conference in South Korea. She has recently been awarded a three-year National Science Foundation grant under their Research in Undergraduate Institutions (RUI) program in the Division of Robotics and Human Augmentation. The grant will provide $158,512 for three years of student-faculty cooperative research on motion planning.

The annual Sherwood Ebey Lecture was given this fall by Nancy M. Amato, of the Department of Computer Science at Texas A&M University, who spoke on randomized motion planning. The annual homecoming lecture will be given by William Duncan, Class of '00, who is currently a graduate student in computer science at UT-Knoxville. (Submitted by William Priestley)

University of South Alabama (Mobile., AL)

After six productive years as Department Chair, Mike Windham is resuming his regular teaching and research duties. Dan Flath is our new chair. Our Department has been fortunate to have outstanding chairs and Mike certainly continued this tradition. Now it is time for Dan to leave his mark on our Department and we are confident that it will be positive.

We have two new teaching additions to our faculty--Sonna Cranford and Ameina Summerlin. Sonna recently obtained her Master of Arts in Statistics from Mississippi State, and Ameina just received her Master of Science in Mathematics degree from our Department. We are also happy to announce that Frank Jellett's teaching appointment has been extended through this academic year.

Three of our faculty received academic promotions. Xin-Min Zhang was promoted to Professor of Mathematics; Madhuri Mulekar was promoted to Professor of Statistics; and Mark Carpenter was promoted to Associate Professor of Statistics. Subsequent to his promotion, Mark took a position at the University of Alabama at Birmingham as an Associate Professor of Biostatistics.

Arvind Shah, Professor of Statistics, retired from the University after twenty-five very productive years of service in order to take the position of Director of Scientific Communications at Merck Research Laboratories in New

Jersey. Arvind was instrumental in the development of our statistics program and was awarded the prestigious University of South Alabama Scholar of the Year award in 1992.

For the past two summers John Cruthirds has been doing some very interesting research at the Johnson Space Center concerning the mathematical modeling of the food supply for long-term space missions.

Suzanne McGill is a Co-PI for a three-year $966,000 NSF Teacher Enhancement Grant awarded to the Mobile Area Education Foundation, the University, and the Mobile County Public School system. The grant is part of a $1.5 million project to prepare a cadre of elementary teachers to assume roles of mathematics resource teachers, teacher-leaders and professional development providers for the Mobile County Public School system.

Other members of our faculty are also involved in externally funded grant activities. Al Rainosek is the PI for an $88,000 Environmental Protection Agency grant involving the Striped Mullet in the Gulf of Mexico. Al is working with two marine scientists on this grant. Madhuri Mulekar is a Co-PI for a $270,000 NSF grant that provides scholarships to deserving mathematics, engineering, and computer science majors. Dan Silver and Susan Williams have a three-year $65,000 NSF research grant titled "Algebraic Dynamics of Knots and Links" in which they are applying techniques from the field of algebraic dynamics to obtain invariants that have rich dynamical as well as algebraic structure. Scott Carter has a three-year $64,000 NSF grant to study quandle cohomology invariants of knots and knotted surfaces. Scott and his collaborators are developing ways of computing quandle cohomology and applying these computations to classical and higher dimensional knot theory. Dan Flath and Vasiliy Prokhorov received a $5000 grant from the Alabama Space Grant Consortium and further assistance from the USA Foundation Professorship program to establish the Mobile Mathematics Circle and Olympiad. In this program high school students meet once a week at the University to solve problems on topics ranging from number theory and invariants to logic and graphs. (Submitted by Fred Dodd)

University of South Carolina (Columbia, SC)

Our undergraduate program has enjoyed a banner year. Our department's Putnam Exam team ranked 33rd nationally, and we had four students, Jonathan Mason, James Whittingham, Brandon Fornwalt and Travis Garrett ranked among the top 500. Additionally, undergraduates Erin Flickenger and Brandon Fornwalt received Goldwater Fellowships.

Our department has two new members, George Androulakis from the University of Texas at Austin and Mohammad Ghomi who received his Ph.D. from Johns Hopkins in 1998.

Ron DeVore is one of 211 of the nation's top scholars, educators, scientists, artists, business executives, and public officials selected for membership in the American Academy of Arts and Sciences. David Sumner won the Amoco Award for Outstanding Teaching, the University's highest award for undergraduate teaching. Sue Brenner was invited to serve on the

THE UNIVERSITY OF SOUTH CAROLINA
THE DEPARTMENT OF MATHEMATICS

The Department offers graduate programs leading to the M.S., M.A., and Ph.D. degrees in Mathematics. In addition there are teaching-oriented nonthesis degrees—the Master of Mathematics and Master of Arts in Teaching.

Areas of emphasis in pure mathematics include algebra, analysis, differential geometry, logic, number theory and topology. Emphasis in applied mathematics is offered in approximation theory, differential equations, discrete mathematics, numerical analysis, and optimization. The Industrial Mathematics Institute in the Department fosters advanced research in areas of mathematics having the capacity or potential for industrial application.

FINANCIAL AID

The Department expects to award 15 teaching assistantships for Fall 2002 with academic year stipends ranging from $13,000 to $15,100. Assistantships require three to five contact hours per week. Summer support is available. Outstanding applicants will receive consideration for fellowships which supplement Departmental support. These include a renewable Graduate School Fellowship and the renewable $3,000 College of Science and Mathematics Fellowship.

For information and application materials, write to

> Director of Graduate Studies
> Department of Mathematics
> University of South Carolina
> Columbia, SC 29208
> Home page: http://www.math.sc.edu/
> Email: graddir@math.sc.edu

Editorial Board of the Notices of the AMS.

On sabbatical leave for the year 2001-2002 are Stephen Dilworth, Kevin Ford, Maria Girardi, and Jim Roberts. On sabbatical for the Fall of 2001-2001 are Marek Kossowski and Peter Nyikos. Bob Stephenson will go on sabbatical for the Spring of 2002.

After serving from 1976-1979 and again from 1994-2001, Bob Stephenson stepped down as chairman of the department. His long, dedicated, and unselfish service to our department is deeply appreciated by our faculty. Replacing Bob as chairman is Fred Stoll. Fred was previously our Director of Undergraduate Studies, and replacing him in that capacity is Doug Meade.

There are currently ten faculty members who have one or more grants in effect for a total of approximately $ 3,900,000. Approximately $1,618,000 is for the current fiscal year.

Our 2001 High School Math contest attracted 245 students from 35 high schools. Our 2002 High School Math Contest is tentatively scheduled for January 19, 2002.

Visitors to the department and this year were: Weidong Zhao, Shandong University, China; Peter Binev, University of Sofia, Bulgaria; Anna Kamont, Polish Academy of Sciences, Poland; Eva Matouskova, Mathematical Institute, Czech Republic; Lasse Borup, Aalborg University, Denmark; Wolfgang Dahmen, Germany; Morten Nielsen, Washington University; Ki-Sung Park, Kangnam University, South Korea; Youngkou Park, Yeugnam University, South Korea; Alexander Petukhov, St. Peterburg St. Technical University, Russia; WenQia Wang, Shandong University, People's Republic of China; Angela Kunoth, University of Bonn; Sergei Konyagin, Moscow State University; Albert Cohen, Paris VI.

The Industrial Mathematics Institute (IMI) exists within the Department of Mathematics at the University of South Carolina for the purpose of fostering advanced research in areas of mathematics having the capacity or potential for industrial application, and for the purpose of facilitating the transfer of research results and expertise between the academic and industrial sectors. The IMI publishes a preprint series which is available on the IMI website at http://www.math.sc.edu/~imip/. IMI Postdocs for the 2001-2002 academic year are Morten Nielsen, Alexander Petukhov, Peter Binev, and John Lane. Professor R. Bruce Kellogg (Professor Emeritus, University of Maryland) has joined the IMI as Adjunct Research Professor.

Professor Ron DeVore, the Director of the IMI received the Alexander von Humboldt Prize for 2002. He will visit the Rhein Westfalische Technische Hochschule Aachen for the period January through August 2002.

Details about this and other news of our department is available from our departmental WEB page at http://www.math.sc.edu/ (Submitted by David Sumner)

The University of Tennessee at Martin (Martin, TN)

The Department of Mathematics began a new era of growth and service under the leadership of Dr. Deane Arganbright. He received his B.S. in

EMORY UNIVERSITY

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

The Department offers programs leading to the M.A. and M.S. degrees in Mathematics and in Computer Science and to the Ph.D. in Mathematics; Ph.D. students in Mathematics may specialize in several areas including algebra, analysis, combinatorics, computational mathematics, complex analysis, differential equations, differential geometry, numerical analysis, mathematical physics, topology and graph theory. Advanced study is supported by excellent library holdings and computing facilities.

Financial Aid - The Department offers aid in the form of *teaching assistantships, fellowships, and tuition waivers.* Awards presently carry a stipend of between $12,350 and $15,310 for nine months, plus full tuition. Funding is available in both the Math Ph.D. and CS MS programs.

Completed applications should be received by February 15, 2002.

Woodruff and Minority Fellowships - The University also offers a number of special *Woodruff and Graduate Minority Fellowships.* Students with outstanding undergraduate records are urged to apply for these awards.

Completed applications for these awards are due by January 20, 2002.

For further information see our web page at www.mathcs.emory.edu or contact -

Director of Graduate Studies
Department of Mathematics and Computer Science
Emory University
Atlanta, Georgia 30322

mathematics from Bowling Green State University in Ohio and earned his M. S. and Ph.D. in mathematics from the University of Washington. He served as Chair of the department of Mathematics and Computer Science at the University of Papua New Guinea from 1995 until 2000. Computer Science was split from the department of Mathematics last year. The department is now The Department of Mathematics and Statistics.

Dr. Kathleen Fritsch left the department for a position as statistician with the Food and Drug Administration in Washington D.C. Dr. A. Nanthakumaar accepted a position as Professor of Statistics at State University of New York at Oswego. The department welcomes two new faculty members: Susan Evans-Riley received her undergraduate degree from Macquarie University, her Master of Arts, Master of Science, Graduate Diploma in Science and Ph.D. from the University of Sydney, Australia. Desiree' Ann Butler-McCullough received her B.S. from Southeastern Oklahoma State University and her M.S. and Ph.D. in statistics from Oklahoma State University.

Jeffery Loren Huff received the Louise Knifley Memorial Scholarship in Mathematics for 2001-2002. Miranda Tabers received the Sparks Scholarship in Mathematics for 2001 and Melissa Rudy received the Outstanding Senior in Mathematics award for 2000.

Professor Sue Boren has announced her retirement at the end of the current academic year. (Submitted by Bill Austin)

Wake Forest University (Winston-Salem, NC)

We have a new faculty member, Dr. Marielba Rojas, Assistant Professor of Mathematics. Her Ph.D. is in computational mathematics and is from Rice University.

The 21st annual Southeastern-Atlantic Regional Conference on Differential Equations will be held at Wake Forest on November 1-3, 2001. The Mid-Atlantic Algebra Conference will be held at Wake Forest on March 16-17, 2002. (Submitted by Ellen Kirkman)

Western Carolina University (Cullowhee, NC)

We are happy to welcome a new computer science professor, Dr. David Luginbuhl, to our department. David comes to us after retiring from the US Air Force. His masters degree is from Florida State University and his PhD is from Univ. of Illinois at Urbana-Champaign.

Charles Wallis was named as our Department Head this year. David Teague, Lee Minor, and John Baker are going on phased retirement. Our secretary, Susan Winchester retired this past summer after over 30 years of service to WCU. We are happy to welcome our new secretary Sandra Oldham.

Kathy Ivey won the university-wide Chancellor's Distinguished Teaching Award in the spring of this year, and Ralph Willis was awarded the W.W. Rankin Memorial Award, the highest honor given by NCCTM, for his long record of service and dedication to the organization.

This spring we will be hosting the SE regional SIAM meeting, and the WCU mathematics contest. (Submitted by Julie Barnes)