Table of Contents

Section Calendar

January 5-8, 2007	MAA-AMS Annual Meeting, New Orleans, LA
February 15-18, 2007	CTCM, Boston, MA
February 16-17, 2007	Georgia Perimeter College Regional Mathematics Conference, Clarkston, GA
February 24, 2007	Mercer University Undergraduate Research in Mathematics Conference, Macon, GA
March 16-17, 2007	**Southeastern Section MAA, Statesboro, GA**
March 21-24, 2007	NCTM Annual Meeting, Atlanta, GA
April 14, 2007	Undergraduate Math Conference, Knoxville, TN
August 3-5, 2007	MathFest: San Jose, CA
November 15-18, 2007	AMATYC Annual Meeting, New Orleans, LA
January 6-9, 2008	MAA-AMS Annual Meeting, San Diego, CA
April 9-12, 2008	NCTM Annual Meeting, Salt Lake City, UT
July 31–August 2, 2008	MathFest: Madison, WI
November 20-23, 2008	AMATYC Annual Meeting, Washington, DC
January 7-10, 2009	MAA-AMS Annual Meeting, Washington, DC
April 22-25, 2009	NCTM Annual Meeting, Washington, DC
January 6-9, 2010	MAA-AMS Annual Meeting, San Francisco, CA
April 21 –24, 2010	NCTM Annual Meeting, San Diego, CA
January 5-8, 2011	MAA-AMS Annual Meeting, New Orleans, LA
April 13 - 16, 2011	NCTM Annual Meeting, Indianapolis, IN
April 25 - 28, 2012	NCTM Annual Meeting, Miami, FL

From the Chair

...ad this, the fall semester is drawing to a close and ...will have a little time to rejuvenate and prepare for ...mp-start the spring semester is to attend the Joint ...s year in New Orleans, and a glance at the program ...t the MAA and AMS have planned a jam-packed ...7, 2007. I hope to see many of you there!

The Executive Committee held its fall meeting at Wofford College, and undoubtedly the most rewarding topic discussed was the implementation of the Patterson Prize. As you recall, Walt and Susan Patterson, long-time members of the Southeastern Section of the MAA generously donated funds to establish an annual prize to be awarded at the section's spring meeting each year. After much discussion, the Executive Committee designated that the prize should be awarded to the most outstanding undergraduate papers presented with the total amount of the prize, $500, being divided among the best five to ten presentations. Walt and Susan's extraordinary vision shines brightly as an example to others, in this spirit, the Executive Committee voted to award prizes to the most outstanding undergraduate posters as well. Add to these prizes the potential bragging rights due to the winners of Math Jeopardy and the spring meeting is full of opportunities for undergraduates—please help us spread the news!

Our revised bylaws were passed by the membership at the spring 2006 meeting in Auburn, Alabama, and the Board of Governors gave their official approval at Mathfest in August. The new office of Beginning Faculty Activities Coordinator will not be formally elected until the spring of 2008 and, until that election, David Stone of Georgia Southern University has agreed to serve in that capacity. David will be in charge of planning activities for faculty new to the profession, if you have any suggestions, please contact him via email at dstone@GeorgiaSouthern.edu. The new office of Student Activities Coordinator will be among the offices elected at our annual Business Meeting at Georgia Southerm University on March 17, 2007, the other offices to be elected are the positions of Chair, Vice-Chair for Programs, Section Lecturer, State Directors, and Vice-Chair for Two Year Colleges.

With the approval of our revised bylaws, the Executive Committee increases in size to eighteen officers. You will find elsewhere in this newsletter a call to the membership to solicit names for section officers, and I encourage you and your colleagues to become involved in the governance of this section. Our section's mission is clearly strengthened by the enthusiastic participation of a diverse group of individuals, and the Nominations Committee (chaired by Ray Collings) would greatly appreciate your help in identifying potential nominees to serve in these many offices.

Planning for the spring meeting on March 16 & 17, 2007 is well under way, led by site coordinator Pat Humphrey and her colleagues at Georgia Southern. Tom Barr, Vice Chair for Programs, has assembled a full

program around the theme of undergraduate research and I encourage you to look at the insert in this newsletter. We are especially privileged to have MAA Presiden-Elect Joe Gallian of the University of Minnesota-Duluth as a plenary speaker. Joe has inspired numerous junior faculty (including myself) to become more involved in the greater mathematical community, and his presentations on undergraduate research stimulate the curiosity of both faculty and students alike. If you haven't heard Joe speak before, you don't want to miss this opportunity!

Finally, it has been my privilege to serve as Chair of this section, a position which concludes at the end of the Georgia Southern meeting. My thanks to all of you in the membership who have contributed so extensively of your time and energy toward the success of our sectional activites, and a special thank you to the members of the Executive Committee whose excellent ideas, suggestions, and contributions made my time as chair enjoyable! I leave you in the capable hands of Martha Abell, Chair-Elect, and look forward to her leadership over the next two years!

Charlotte Knotts-Zides

Project NExT-SE

Project NExT (New Experiences in Teaching) is a national program for new or recent Ph.D.'s in the mathematical sciences interested in improving the teaching and learning of undergraduate mathematics. Project NExT-SE is the Southeastern Section's version of the program.

The current class of NExT-SE fellows will meet for workshops on March 15-16, 2007, just prior to the beginning of the Sectional meeting at Georgia Southern. NExT-SE fellows from previous years, national NExT fellows, and Project ACCCESS Fellows are welcome to attend the sessions as well. We actively solicit ideas for sessions/topics of discussion that will benefit attendees.

Applications for the new class of NExT-SE fellows, scheduled to begin in the spring of 2007, will be accepted in the fall of 2006. For further information see the section website: http://maa.org/southeastern.

Martha Allen (Martha.allen@gcsu.edu),
Patrick Bahls (Patrick.bahls@gmail.com),
Patricia Humphrey (phumphre@georgiasouthern.edu),
Karen O'Hara (kohara@linus.highpoint.edu).

rom the Governor

et for the day preceding Math Fest in Knoxville.
on's Bylaws changes (including ours), nominees for
, and heard reports from the staff, officers, and
to see first hand the talented leadership in the
ion, and nationally. I will share some of the

Under the wise council of MAA Treasurer, John Kenelly from Clemson, the MAA's financial situation appears healthy. The MAA is working toward the goal of having an unrestricted endowment equal to one year's operating budget, and this year a budget surplus of about $600,000 was transferred to investments. The MAA's assets are now at the $15 million level. John has been helped by an Investment Committee that includes our former governor, Ben Klein.

The MAA has also benefited from the leadership of another member who originated from our section, Executive Director, Tina Straley. She reported on a number of developments, including the renovation of the Carriage House. This renovation, funded primarily from a generous gift of Paul and Virginia Halmos, was completed the end of August. The century old building has been transformed into a state of the art mathematical meeting center that can accommodate groups of up to 60 people. The Carriage House will be used for mathematical programs (both local and national), and it will be rented out to provide revenue. The opening ceremonies will take place with an exciting program on April 19-21, 2007.

Under Tina's leadership, the MAA has instituted a program of continual strategic planning. Cycle I is almost complete, and the governors should receive reports at the Joint Meetings in January on the three areas studied (revenue, professional development, and mathematics competitions). Cycle II (governance, students, and membership) has just begun. As a part of the "governance" planning, at this year's governors meeting we broke into focus groups to discuss ways for the governors' role in governance could be enhanced.

William Hawkins, Jr. reported on a new program funded by the Tensor Foundation, called the MAA Tensor-SUMMA program. College and universities, working in collaboration with middle and high school teachers, may apply for grants of up to $5000 to support enrichment programs for middle and high school minority students.

A new position, Associate Director for Student Activities, has been created to coordinate existing student programs, provide more information for students on

the website, and work on initiatives coming out of the 'student" segment of the Cycle II strategic planning.

Project NExT begins each year at MathFest. This year Project NExT had 84 new fellows, including 13 from our section. This year Poject ACCCESS (the two year college version of NExT) has 30 fellows each year, and there are two new fellows from our section.

The MAA's publication program continues to be very successful – 17 new books are currently in the pipeline. The online journals JOMA (Journal of Online Mathematics and its Applications) and other parts of the MathDL and Math Gateway continue to attract new readers. Southeastern Sections members David Smith and Lang Moore have been very involved in developing online resources.

The MAA Regional Undergraduate Mathematics Conferences has received 3 more years of NSF funding; 73 conferences were funded by the first grant, and it is expected that a similar number will be funded under the second grant. There are conferences funded under this program this fall in our section at Appalachian State University, UNC-Greensboro, and Spelman College. More information is at www.maa.org/rumc.

The MAA's Professional Enhancement Program (PREP) is funded through 2008 – watch for the list of next summer's PREP workshops at www.maa.org/ prep. Next summer's Mathematical Study Tour, July 1-16, 2007, will focus on Euler, and will visit St. Petersburg, Berlin, and Basel. In 2008 the Study Tour to Peru will be led by Joel Haack.

The American Mathematics Competitions is seeking colleges and universities interested in administering the AMC 10 and AMC 12 on February 21, 2007. For information on the American Mathematics Competitions see www.unl.edu/amc. A documentary film, "Hard Problems", about students in the USA Math Olympiad is in production and should be ready in a year. It is similar to the book "Count Down" and the film "Spellbound".

Both MAA staff and the MAA's Science Policy Committee expressed concern over cuts in undergraduate oriented programs at NSF and in the small increase in funding of mathematics in the 2008 NSF budget. All members of the MAA need to continually remind elected officials of the importance of mathematics.

President Carl Cohen talked about the Third International Conference on the Teaching of Mathematics in Istanbul, Turkey (that was supported by the MAA). He feels that it is important for the MAA to foster international discussions of college teaching issues, and he encourages the MAA to expand international collaborations.

Next year's MathFest will be held in San Jose, California, August 3-5, 2007.

I am interested in any ideas you have for the MAA, and look forward to talking to you at our sectional meeting at Georgia Southern March 2007. Charlotte Knotts-Zides and the section Executive Committee have planned a very exciting meeting at Georgia Southern.

Ellen Kirkman

Check out the Section's Webpage
http://www.maa.org/southeastern

Send comments or suggestions to

Jeff Clark, Elon University
clarkj@elon.edu

LOOKING FOR A GREAT MATHEMATICS SPEAKER?

Invite a Southeastern Section Lecturer to your campus!

Many think the Section Lecturer only delivers an address at the Annual Meeting of the Section, but this person also visits individual institutions within the Section.

John Swallow is the 2006-2007 Section Lecturer. He is available for the next two academic years. Contact him at joswallow@davidson.edu. Possible talks include:

- A Brief History of Irrationality (E*)

- The Radical Roots of Algebraic Numbers (I)

- From Galois to Kummer and Back Again: Groups, Modules, and Linear Algebra) (A)

David Anderson of the University of Tennessee Knoxville was the 2005-2006 Section Lecturer. He is still available for the 2006-2007 academic year. Contact him at anderson@math.utk.edu.

*E is for Elementary: intended for college students who are interested in mathematics, and for educated laymen in the general public. No college level training in mathematics is assumed.

I is for Intermediate: intended for students who have completed a year of calculus or other mathematics at a similar level.

A is for Advanced: intended for junior and senior mathematics majors.

Make your arrangements today!

MINUTES OF MAA-SE FALL EXECUTIVE COMMITTEE MEETING

September 8-9, 2006
Wofford College

Members present: Charlotte Knotts-Zides, Martha Abell, Ellen Kirkman, John Long, John Harris, Karen O'Hara, Tom Barr, Curtis Herink, Greg Rhoads, Tom Fitzkee, Jeff Knisley, Ray Collings, Jim Vandergriff, Jeff Clark, Joe Albree, John Kenelly, David Stone

Friday, September 8th

The meeting was called to order by Charlotte Knotts-Zides (Chair) at 7:30 pm. After a short round of introductions, the meeting began with reports from officers. Ellen Kirkman (Section Governor) fielded a few questions regarding her report (which she had emailed to members prior to the meeting --- see http://frodo.elon.edu/maase/090806.html). John Long (Vice Chair for Two Year Colleges) indicated his interest in increasing the number of two-year-college faculty who are members of professional organizations, and he would like two-year-college organizations to work with the MAA-SE to work together in doing so. Martha Abell (Chair Elect and former Secretary Treasurer) gave the Secretary-Treasurer's report for John Harris (Secretary-Treasurer). This two-part report had been emailed to members prior to the meeting --- see http://frodo.elon.edu/maase/090806.html.

The State Directors gave information regarding previous and upcoming State Dinners.

Ray Collings (Nominations Committee) asked Tom Barr to explain his current situation. Barr is on leave from Rhodes and is living in Birmingham. He would like to be replaced as Program Chair, although he still plans to serve in that role throughout the planning process of the 2007 meeting. The Nominations Committee suggested, and the Executive Committee agreed that Jim Vandergriff should work closely with Barr over the next few months, with an eye toward replacing Barr after the Statesboro meeting. Vandergriff will appear as a nominee on the slate at the spring business meeting.

Regarding our two new positions, Collings indicated that the Student Activities Coordinator would be elected this year, and that the Beginning Faculty Activities Coordinator would be appointed this year and elected the next. David Stone has been appointed as the Beginning Faculty Activities Coordinator.

Collings requested that a call be issued to the general membership to solicit names for section officers. This would assist the nominating committee, and it

would provide more opportunities for the general membership to have input. The Executive Committee considered the idea of holding contested elections, but agreed that the complexities associated with such make it an undesirable option at this point. The Committee did agree that it would be good to advertise the slate of nominees sometime before the actual business meeting.

Jim Vandergriff (Site Selection Committee) had emailed his report ahead of time. He began a discussion of the open question indicated in his report (i.e. whether or not to require host institutions to contribute funds). Consensus seemed to be that such a requirement is not necessary.

Jeff Knisley (Teaching Award Committee) mentioned that there was a strong group of nominations for the 2006 award, and that he will confirm with nominators regarding carrying over the nominations to this year's process. Charlotte Knotts-Zides presented a report from Theresa Early (Service Award Committee). She indicated a desire to get more nominations for this award. Consensus among group was that it was appropriate to carry over nominations from one year to the next, with a request going out every two years or so to update materials. Ray Collings suggested a two-tiered service award: one that recognized service over a long career, and one that recognized service offered from a relatively young section member. Knotts-Zides appointed an ad-hoc committee (Early, Knisley, Collings) to look into this possibility and to explore others.

Regarding NExT-SE, it was noted that there would be a call for applications for a new group of Fellows to convene at the Spring 2007 meeting.

Jeff Clark (Webmaster) had previously distributed his report via email See http://frodo.elon.edu/maase/090806.html. Joe Albree (Historian) had previously distributed his report via email. See http://frodo.elon.edu/ maase/090806.html. Albree emphasized the importance of the awareness of our own heritage, and he encouraged the section to think of ways to make members more aware.

John Kenelly (MAA Treasurer) announced to the group that the AMC is beginning a new program in which individual colleges can host competitions, and he described several benefits of this new program. He also emphasized the fact that sections are tremendous development opportunities, and that we ought to keep our eyes open for possibilities. Finally, Kenelly announced that in the past three years the MAA's endowment has grown from $6 million to $8 million.

The evening meeting was adjourned at 10:15 pm.

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The morning meeting began on Saturday, September 9th at 8:40 am.

We first had a look at several items of unfinished business.

Regarding the Patterson prize: At the spring executive committee meeting, it was decided to award the prize to (5-10) of the best undergraduate talks. This prize will be awarded for the first time at the upcoming Statesboro meeting. The committee discussed several methods for judging. Regarding the poster session, the committee settled on roughly three prizes at roughly the $25 amount. Someone needs to be lined up to organize the poster session. A couple of names were suggested as possibilities.

Tom Barr has provided a proposed guideline regarding submitted abstracts. These guidelines would provide standards by which abstracts could be accepted or not. The Committee accepted Barr's proposal. This guideline will be included in the call for papers for the Statesboro meeting.

The Bylaw changes that were proposed at a previous meeting were approved by the Board of Governors and are currently on the website. These provide for the two new positions described earlier in the minutes.

John Long gave background on SOCAMATYC, and expressed a desire to share the 2008 meeting in Charleston with SOCAMATYC. This could take on several forms, and there are a number of things to work out (special sessions, plenary speaker, etc.). Long will prepare a more formal proposal regarding space and program requirements should this co-meeting take place, and he will present this proposal at the spring meeting of the Executive Committee.

Charlotte Knotts-Zides proposed that each Executive Committee member prepare a report on his/her office's annual activities and responsibilities. These reports would be posted on a secure Members-only website, and their main function would be to enlighten incoming officers. These reports would be due roughly two weeks prior to the spring meeting. This request was received well by committee members.

Jeff Clark led a discussion regarding what sorts of things should appear on a members-only site. Consensus at this point is to leave liaison information public, and to eventually put the officer reports (described in the previous paragraph) in the secure section.

The committee discussed several suggestions for improving the structure and efficiency of the meetings. First, many thought the emailing of reports prior to the meeting was very helpful. As officers ourselves, we should not attempt to simply read that report during the actual meeting. But instead, we should use our time to address open questions or other issues that require action. Further,

Another suggestion was for the chair to prioritize the agenda items.

Martha Abell and David Stone discussed some ideas regarding the manning of the book table at the spring meeting. Rather than have the Secretary-Treasurer stay at the table the entire time, perhaps a committee (led by the Sec.-Treas.) could share the responsibility. Stone will work with Karen O'Hara to identify a committee, and Abell and Stone will designate a local contact and will inform Harris of their choice.

David Stone discussed financial situation for NExT-SE. There is still roughly $1000 remaining from original amount available for the program. Stone emphasized the value of the program and the importance of maintaining it as long as possible. A suggestion was made to work toward identifying a possible source of funding.

The remainder of our time was spent discussing the upcoming meeting in Statesboro. Tom Barr (in his email to everyone) provided a template for the meeting schedule. Three plenary speakers have already been lined up --- John Swallow (Section Lecturer), Mac Priestley (Teaching Award winner) and Joe Gallian (MAA officer).

This year, we plan to modify the schedule a bit. The first event of Saturday morning will be a plenary talk given by Joe Gallian. The last event of the day will be the Jeopardy finals and the awards presentations, and the goal will be to wrap up by 1:00. No box lunch or lunch break this year. The regular Liaisons event will be moved to another time, possibly during one of the contributed paper session blocks.

The committee reviewed proposals for short courses, and approved four of them. The committee reviewed proposals for special sessions, all of which were well received. Two were similar in nature and Tom Barr will ask the people who have proposed them if they might combine efforts.

David Stone and Martha Abell displayed a number of photographs of the facilities at Georgia Southern, and they described their plans for the meeting. The entire meeting will take place in one building.

The meeting adjourned at 12:20 pm.

John Harris

Announcements

Contribute to MAA-SE Student Activities
The Southeastern Section supports student activities at its annual meeting through:

- TA Rush and a student pizza lunch
- Undergraduate Student Poster Sessions
- 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

John Harris, Secretary/Treasurer, MAA-SE
Department of Mathematics
Furnam University
3300 Poinsett Highway
Greenville, South Carolina 29613-1148

South Carolina State Dinner
The 2006-07 MAA-SE State Dinner of South Carolina will be hosted by Francis Marion University tentatively scheduled for Friday, March 30, 2007. The dinner will follow the Francis Marion Undergraduate Mathematics Conference.

New look for MAA Southeastern Website
Check out the new look of the MAA Southeastern Section Website at the address http://www.maa.org/southeastern.

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 imailsrv@huntingdon.edu

You may also use the subscription form located on the section website at http://www.maa.org/southeastern.

Call For Nominations
for the 2007 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 2006 meeting at Auburn University.

The Section Distinguished Service Award Committee encourages every member of the Section to submit a nomination to the committee chair for the 2006 award. Please send your nomination including a statement supporting the nomination to Theresa Early, via surface or email.   [Theresa Early, 646 Calloway Gap Rd., West Jefferson, NC 28694, earlycurd@skybest.com.]

Nominations for the 2005 award may be carried forward for consideration for the 2006 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, 2007

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
March 2002	Sharon Cutler Ross, Georgia Perimeter College
March 2003	Sylvia Trimble Bozeman, Spelman College
March 2004	Theresa E. Early, Appalachian State University
March 2005	Hugh Haynesworth, College of Charleston
March 2006	Steven Davis, Davidson College

Mathematical Treasure
Student activity
at SE Section MAA meeting

On March 30, 2006, the Thursday evening prior to the MAA-SE meeting in Auburn, there will be a student activity similar to the mathematical murder mystery held last year. Students participating in Mathematical Treasure will use mathematics to follow a trail of clues something like the trail followed in the movie National Treasure. This activity will be non-competitive and will give participants a chance to meet students from other colleges and universities. Also, student chapters attending will be asked to sign up to provide some type of snack. Any faculty members who would like to help with this event or any student chapters who would like to participate should contact Julie Barnes (jbarnes@email.wcu.edu). Details about time and location will be in the conference program.

Undergraduate Mathematics
Research Conference

University of Tennessee, Knoxville
Saturday, April 13, 2007
Program: Talks by undergraduates about their research
Speaker: Dr. Scott Chapman, Trinity University, TX
For more information: www.math.utk.edu/UGConmf
or
E-mail: David Anderson, Anderson@math.utk.edu

2nd Biennial Mercer University Undergraduate Research in Mathematics Conference (MUURMaC)

February 24, 2007

Mercer University announces a conference for students and faculty interested in undergraduate research. We invite submissions for fifteen-minute presentations from undergraduates engaged in the research process. Teams of 3 students each are also invited to participate in a problem solving competition. The conference will take place in conjunction with the Georgia MAA State Lunch. Plenary lectures are titled:

"Preference Sets, Graphs, and Voting in

Agreeable Societies"

and

"Combinatorial Fixed Point Theorems and

Social Applications"

Dr. Francis Su

Professor of Mathematics

Harvey Mudd College

Partial funding will be available for presenters.

For more information see http://www.mercer.edu/math/muurmac

or contact Dr. J.K.Denny at denny_jk@mercer.edu

NOMINATIONS COMMITTEE SEEKS CANDIDATE SUGGESTIONS

Slate being written for March 17, 2007 SE-Section Elections

The MAA-SE Nominations committee, Ray Collings, Chair invites SE- section members to suggest possible candidates for the following four offices:

Section Lecturer

Alabama State Director

Georgia State Director

Student Activities Coordinator

At this point, nominators do not have to know whether the person would accept. Rather, in your opinion, would they be good in the position and might they possibly accept a later invitation by our nominations committee. Self nominations as well as nominations on behalf of others are all acceptable. The job descriptions are in the bylaws at http://frodo.elon.edu/maase/bylaws.pdf

The committee charge is to publish either in the spring program or by a meeting flyer the slate with one candidate for each position. Then additional nominations from the floor are possible just before the vote at the section business meeting on Saturday, March 17, 2007. As the business meeting is attended by a very small percent of our large membership, the widest and most careful consideration now is most valuable.

By January 22, 2007, please send suggested candidates to Ray Collings at rcolling@gpc.edu . Any supporting information is appreciated. Thank you in advance for assisting the nominations committee. Establishing a robust pool of candidates for serious consideration and slating by the committee in each position is essential to the excellence we and others expect of the Southeastern Section.

News From the Campuses

Agnes Scott College (Decatur, GA)

Larry Riddle was appointed chair of the mathematics department upon his return from his 2005-2006 academic year sabbatical. Larry also continues in his role as chair of the Advanced Placement Calculus Development Committee. Alan Koch, having received tenure and promotion to Associate Professor last year, has a sabbatical for the fall 2006 semester. Jim Wiseman begins his second year at Agnes Scott College, having replaced Professor Robert Leslie who retired in May 2005 after 35 years of dedicated teaching and service at the college. Jim's research is in dynamical systems; more specifically, dynamics from a topological viewpoint, the Conley index, dynamics on non-compact spaces, fixed point theory, and set-valued maps. He also has an interest in the mathematics of voting theory and social choice. Jim came to Agnes Scott after four years at Swarthmore College. Myrtle Lewin has been working closely with the Agnes Scott College education department and the director of the Science Center for Women to establish a new M.A.T. program in Secondary Mathematics and Science. The first group of M.A.T science students began classes this past summer. The M.A.T. mathematics program will begin during the summer of 2007.(Submitted by Riddle, Larry)

Auburn University (Auburn, AL)

We are pleased to announce the following honors and awards: Olav Kallenberg was named University Distinguished Lecturer of Auburn University in April, 2006. Andras Bezdek was awarded the Doctor of the Hungarian Academy of Sciences for his research in Discrete Geometry. Chris Rodger was named Scharnagel Professor of Mathematics in October for a term of three years (2006-2009).

We have been a part of organizing the following meetings: During March 31-April 1, 2006, the department organized a joint meeting of the Southeastern Section of MAA and SIAM Southeastern Altantic Section, of which Narendra Govil was the Chair of organizing committee (Co-chairs: Nedret Billor, A.J. Meir, Michel Smith, Assistant Chair: Huajun Huang). Narendra Govil (with Robert B. Gardner) organized a special session on Approximation in the 101st Meeting of the American Mathematical Society, held at the East Tennessee State University during October 15-16, 2005. Overtoun Jenda and Pete Johnson ran an NSF-funded REU in Algebra and Discrete Mathematics this past summer. They will have another such program next summer. In Oct 27-29 Ulrich Albrecht hosts Southeastern Algebra Conference in Auburn. In Nov 24-25, 2006, Geraldo De Souza will host the NSF-funded 21th Auburn Miniconference on Harmonic Analysis and Related Areas. The invited principal speakers are Brian Vidakovic from GaTech and Michael Frazier from University of Tennessee.

THE UNIVERSITY OF ALABAMA

Department of Mathematics

The Department of Mathematics at the University of Alabama offers programs that lead to M.A. and Ph.D. degrees in Mathematics. As part of the University of Alabama System, it also participates in a joint program that leads to a Ph.D. in Applied Mathematics. Most students admitted to these programs receive teaching assistantships; for the 2006-2007 academic year these assistantships will pay at least $11,557 and carry a full tuition waiver. Highly qualified applicants may be eligible for additional funding. Admission decisions are based on GRE scores, letters of recommendation and transcripts. The Department's strengths include algebra, analysis, fluid dynamics, optimization, numerical analysis and topology. The Department of Mathematics is committed to quality teaching and maintains an excellent learning and working environment for its students. For more information please visit our website *www.math.ua.edu* or contact:

Prof. Vo Liem
Graduate Program Director
Department of Mathematics
University of Alabama
Tuscaloosa, AL 35487-0350
Telephone: (205) 348-4898

Pete Johnson was an invited lecturer at the Reading Combinatorics Conference (University of Reading, England) in May 2006. Olav Kallenberg gave an one-hour plenary lecture at the 9th Vilnius Conference on Probability Theory and Mathematical Statistics, Vilnius, Lithuania, June 2006. He was also a main speaker at Workshop on Probabilistic Symmetries and their Applications, Ottawa, May 2006, sponsored by IMS. Krystyna Kuperberg was one of the organizers of International Conference and Workshops on Geometric Topology honoring Karol Borsuk's life and work on the 100th anniversary of his birth held at the Mathematics Institute of the Polish Academy of Sciences, Bedlewo, Poland, July 3-10, 2005, which was sponsored by NSF and the Polish Academy of Sciences. She was also one of the organizers of ``Women in Mathematics: The Legacy of Ladyzhenskaya and Oleinik Mathematical Sciences Research Institute'', May 18 - 20, 2006, which was sponsored by NSA and MSRI. Wlodek Kuperberg visited for two months (February 19--April 19, 2006) at the Renyi Mathematical Institute of the Hungarian Academy of Sciences, Budapest, Hungary, by invitation of the Institute, supported by a grant from the European Union Science Foundation. Yongsheng Han was one of the main speakers at the International Conference on harmonic Analysis, May 15-21, 2006, at Hunan University, Changsha, and International Conference on Applicable Harmonic Analysis: Approximation and Computation, June 17-21, 2006, Beijing, China.

TEAM-Math: Six members (Phil Zenor, Chris Rodger, Michel Smith, Narendra Govil, Dean Hoffman) of the department have participated in the NSF funded Transforming East Alabama Mathematics (TEAM-math) project. The highlight of this year's activities was a two week summer workshop for K12 teachers of mathematics. Over 1000 teachers, guidance counselors and administrators attended. Other activities included quarterly teacher meetings, meetings with school teacher leaders and administrators and parent activities. The department of Mathematics for Elementary Educations courses have been expanded and syllabi updated as part of this project.

Our department has published the following books: Olav Kallenberg's book "Probabilistic Symmetries and Invariance Principles" was published in Dec. 2005 by Springer-Verlag. A book in Hindi "Great Mathematician: Srinivas Ramanujan" by Narendra Govil (co-authored with Bhu Dev Sharma) was published by the publisher Prabhat Prakashan, New Delhi, India. in Sept. 2005. He is also one of the editors of the book "Frontiers in Interpolation and Approximation (Dedicated to the Memory of Ambikeshwar Saharma)" which appeared in July 2006 and published by Chapman & Hall/CRC, Taylor & Francis Group.

During spring semester, actuaries from ALFA Insurance in Montgomery visited the department, making presentations and conducting job interviews with students involved in the Actuarial Science Program. Three students, Libby Johnson, Ashton Kyzer, and Yali Li were awarded summer internships at ALFA. Some actuarial students arrange for their own internships. Kyle Fritz held summer actuarial internships at Protective Life in Birmham in 2004 and at Capital Blue Cross in Harrisburg, PA, this past

summer. And Chris Fioritto held a summer actuarial internship at Blue Care Network of Michigan in Southfield, MI, during the summer of 2005.

Several began visiting appointments in the department in August. Andrew Lelek is visiting from the University of Houston and working with the topology group. Ren Ding is visiting from the Hebei Normal University (China) and working with and Andra Bezdek and Wlodek Kuperberg. Jianhua Huang is visiting from National University of Defense Technology (China) and works with Wenxian Shen. Wen-Chung Huang is visiting from Soochow University of Taiwan and is working with Chris Rodger. Vijay Gupta from N.S. Institute of Technology, New Delhi, India visited the department during Fall 2005, to work with Narendra Govil. Raymond Sze was visiting from University of Hong Kong and worked with Huajun Huang and Tin-Yau Tam in Spring 2006. Victoria Jordan is visiting for three years and is working with the statistics group in consulting and research.

Jack Brown retired after 39 years on the faculty and is now Emeritus Professor and continues teaching part-time. Jerry Veeh retired after 25 years on the faculty and now resides in Los Angeles area.

The Department hired one tenure-track faculty member, Hyejin Shin, who finished her Ph. D. in Statistics at Texas A&M University, 2006. Her research interests include Discrimination and Classification, Functional Data Analysis, Multivariate Statistics, Nonparametric Regression and related areas. We are in the process of recruiting two mathematicians to the department due to the retirement of Jack Brown and Jerry Veeh.

The department awarded 9 PhD, 11 Master of Applied Mathematics, 7 Master of Science, 10 Master of Probability and Statistics during the year. Brad Bailey (advisor: Gary Gruenhage) is an assistant professor at North Georgia College and State University. Vincent Castellana (advisor: Dean Hoffman) is an assistant professor at Eastern Kentucky University. Norou Diawara (advisor: Mark Carpenter) is an assistant professor at Old Dominion University. Tung Nguyen (advisor: Georg Hetzer) is an assistant professor at University of Illinois at Springfield. Carl Pettis (advisor: Curt Lindner) is an AU postdoc. Petra Sindelarova (Advisor: Krystyna Kuperberg) is a postdoc at University of North Carolina at Chapel Hill. David Turner (advisor: Randall Holmes) is an assistant professor at Faulkner University. Wen Yan (advisor: Tin-Yau Tam) is an assistant professor at Tuskegee University. (Submitted by T.Y. Tam)

Austin Peay State University (Clarksville, TN)
We are please to welcome a new faculty member, Truman Best, master's degree in Operations Research at the Naval Postgraduate School in Monterey, CA.

Andy Wilson was promoted to Associate Professor.

Austin Peay State University will host the Tennessee Academy of Science meeting in November, 2006.

APSU was a host site for the Middle Tennessee Region of the 49th Tennessee Mathematics Teachers Association Annual Mathematics Contest for

THE UNIVERSITY OF TENNESSEE, KNOXVILLE

The University of Tennessee, Knoxville offers Master's and Ph.D. programs in pure and applied mathematics and invites applications for graduate student teaching and non-teaching positions for the 2007-2008 academic year.

SPECIAL AWARDS: The department offers Science Alliance Associateships and Dryzer Teaching Fellowships to outstanding candidates. Stipends for these range between $13,604 and $18,913 and in some cases offer a reduction in teaching duties.

STANDARD TEACHING APPOINTMENTS: Graduate Teaching Assistantships for students with fewer than 18 hours of graduate credit in mathematics and Graduate Teaching Associateships for advanced students. Stipends for 2006-2007 range from $13,604 - $15,212 and includes health insurance. Stipends may be increased for 2007-2008. 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.

CONTACT INFORMATION: 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.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services.

MAA-SE Short Course Registration Form

A printable version of this form is available on the meeting website, http://math.georgiasouthern.edu/%7Ephumphre/MAA07/.

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.

____ *Inquiry-Based and Problem-Based Learning in the Mathematics Classroom*

____ *Active Learning Strategies for the College "Liberal Arts Mathematics Course"*

____ *Codes, Cards, and Cryptography*

____ *Undergraduate Research for All*

Short Course Abstracts
MAA-SE Eighty-sixth Meeting
Georgia Southern University
Spring 2007

There are four short courses, each running from 8:30 to 11:30 a.m. on Friday. Preregistration for these courses should be made through John Harris by Friday, February 23, 2007. An insufficient number of pre-registrants could lead to cancellation of a course; on-site registration is possible, subject to the availability of spaces. Further information about the courses and the faculty offering them is available at http://math.georgiasouthern.edu/%7Ephumphre/MAA07/.

Inquiry-Based and Problem-Based Learning in the Mathematics Classroom, **Patrick Bahls (University of North Carolina, Asheville), Amy Kelley (Georgia College and State University), Barry Spieler (Birmingham-Southern College), and Cornelius Stallmann (Augusta State University)**

This course will begin with a brief review of the theory and practice of Inquiry-Based and Learning (IBL) and Problem-Based Learning (PBL) in mathematics, providing participants with a basic background and a list of resources for future study. The course organizers will share insights and activities gleaned from specific courses they have run using IBL and PBL such as introductory "proofs" courses, calculus courses, and application-oriented linear algebra. Included in each segment will be a discussion of successes and pitfalls experienced in implementing these courses, and hands-on activities that will allow participants to get a feel for the IBL/PBL classroom from both the students' and the teachers' perspectives.

Active Learning Strategies for the College "Liberal Arts Mathematics Course," **David Cochener and Nell Rayburn (Austin Peay State University)**

We will model the active learning instructional strategies which we employ in our "liberal arts mathematics" course at Austin Peay State University. Each semester the course consists of the instructor's choice of two modules. Currently available modules are the mathematics of politics, the mathematics of sound and music, the mathematics of cryptanalysis, and the mathematics of art. Each of the modules is organized around the application, and the relevant mathematics is studied as it naturally arises. Some

Project NExT-SE: Project NExT-SE (New Experiences in Teaching) is the Southeastern MAA Section's instantiation of the national program for new and recent PhD's in mathematical sciences interested in improving the learning and teaching of undergraduate mathematics. Activities on Thursday afternoon are planned as well as sessions on Friday morning. Contact Martha Allen (Martha.allen@gcsu.edu), or Patrick Bahls (pbahls@unca.edu).

T. A. Rush: In this venue, students considering graduate school in mathematical sciences have opportunities to meet with representatives of various graduate programs. Jimmy Solomon (jsolomon@georgiasouthern.edu) will be organizing the T. A. Rush; representatives of graduate programs should contact him to register their participation ($25 fee payable to Georgia Southern University).

Chairpersons' Meeting and Liaisons' Luncheon: The Chairpersons' meeting, scheduled for 10:30 to 12:00 on Saturday, is an opportunity for discussion of issues confronting the departments. Charlotte Knotts-Zides (KnottsZidesCA@wofford.edu) will convene the Chairpersons. MAA Liaisons will meet from 11:30 to 12:30 on Friday, convened by Section Governor Ellen Kirkman (kirkman@wfu.edu). Boxed lunches will be provided for those liaisons requesting them through Ellen before March 9.

Exhibits: On Friday afternoon and Saturday morning, representatives of publishing companies and other vendors will have exhibits in the foyer of the Information Technology Building.

Social Event: The site coordination committee at Georgia Southern is planning a **reception** on Friday afternoon. Details will follow in subsequent communications.

(Pre-) Registration: Pre-registration for the meeting is encouraged; on-site registration will also be available. To pre-register for the meeting, complete the attached form and enclose a check for the appropriate amount to

MAA-SE Annual Meeting
Attn: Pat Humphrey
Mathematical Sciences Department
PO Box 8093
Statesboro, GA 30460-8093
Phone: (912) 681-5390

Eighty-sixth Annual Meeting
Mathematical Association of America, Southeastern Section
Georgia Southern University

Friday – Saturday, March 16 – 17, 2007

Meeting Announcement: The eighty-sixth annual meeting of the Southeastern Section of the Mathematical Association of America will be held on Friday and Saturday, March 16 – 17, 2007 in the Information Technology Building at Georgia Southern University in Statesboro, Georgia. The Association invites all interested persons to participate and asks that department chairpersons, faculty, and members of the Section help in publicizing the meeting. Attendees may pre-register by completing the printed form in this newsletter and sending payment to Georgia Southern's Mathematics Department at the address below. On-site registration will also be available. Pre-registration for short courses is made through the section Secretary, John Harris (john.harris@furman.edu), using the form in this newsletter. Up-to-date information about the conference (program, registration, accommodations, transportation, etc.) is maintained at the conference web site (http://math.georgiasouthern.edu/%7Ephumphre/MAA07/), which is accessible through the Section web site http://www.maa.org/southeastern.

General Sessions There will be three general session speakers on Friday and Saturday:

- Joe Gallian, University of Minnesota Duluth
- William M. Priestley, University of the South
- John Swallow, Davidson College

Call For Contributed Papers: The officers of the Section invite and encourage submission of titles and abstracts for fifteen-minute (20 minutes between the start of one talk to the start of the next) contributed papers in all areas of mathematics by college and university faculty, graduate students, undergraduates, and others. **Titles and abstracts** should be sent to the Program Chairperson (Tom Barr, tombarr@rhodes.edu) before **Friday, February 16, 2007** in order for the abstract and title to appear in the printed program of the meeting. It will be very helpful if individuals send this information in advance of this deadline. Talks will be organized into concurrent sessions, to the extent possible, by the general mathematical area indicated by the abstract. There will also be organizers of sessions for selected mathematical areas:

- *Issues in Mathematics Education,* Sharon Taylor, Donna Saye, and Susie Lanier, (Georgia Southern University)
- *The Mathematical Heritage of Leonhard Euler,* Joe Albree (Auburn University Montgomery)
- *Graduate Content Courses for the Mathematical Education of Secondary and Middle School Teachers,* Betty Rogers (Piedmont College)
- *Optimization and Operations Research,* Goran Lesaja (Georgia Southern University)
- *Undergraduate Papers,* Karen O'Hara (High Point University, kohara@highpoint.edu), Luis Cueva-Parra (Auburn University at Montgomery, Luis.Cueva-Parra@mail.aum.edu)

These individuals will be soliciting papers as well as working with contributors.

Guidelines for Titles and Abstracts: Abstracts are expected to deal with theory, application, teaching, history, or philosophy of mathematical sciences; they should indicate what the presenter intends to communicate in the alloted time. For multiple authors, the presenting author's name should be clearly designated; please identify undergraduate and graduate student authors. The use of

FAX: (912) 681-0654

Fees

	Pre-registered	After 10 March
Faculty meeting registration	$25	$30
College/university students, emeritus faculty $10		
High school teachers	$15	$20
High school students	free	free
Social Event	$5	

Participants in the short courses should pre-register; use the enclosed form and send it to John Harris, Secretary/Treasurer, MAA-SE, at the address shown on the form.

Hotel Information: Participants should make their own arrangements directly with a hotel of their choice. Blocks of rooms have been reserved until March 1, 2007 at special rates as shown below for the nights of March 15, 16, and 17, 2007. Please cite the group name Mathematical Association of America Meeting when making a reservation. All rates are subject to tax at 12%.

· Best Western (across the street from campus), $57.00 single, $62.00 double
· Comfort Inn & Suites (bypass and Lanier Drive) $76.49
· Day's Inn (1 block north of campus) $54.99 single, $59.99 double
· Hampton Inn (1 block from campus, opposite end from meeting) $62.00
· LaQuinta Inn (bypass, near football stadium) $62.99 Thursday night, $72.99 Friday
· Trellis Garden Inn(downtown Statesboro - approx. 2 miles from campus) $59.00

Transportation and Directions

· By Air: The closest airport is Savannah International Airport (SAV). The airport is approximately 50 minutes from campus via I-95/I-16, exit 127 north approx 10 miles.
· Driving: if you are traveling East (coming from Macon/Atlanta) on I-16, take exit 116. Turn left on US-301/US-25 and follow it to the entrance of the GSU campus. If you are traveling west on I-16 (coming from Savannah or from I-95), take exit 127 and take a right on US-67. Stay on US-67 (Fair Road) until you reach an entry of the GSU campus. If you are coming from the north (from Augusta via US-25) continue on US-25 to North Main St. right (south) onto Main and

of the mathematical concepts which are involved are modeling, geometry (similarity, scale, isometries, projections), elementary group theory, impossibility theorems, trigonometric and logarithmic functions, and problem solving strategies. During the short course, participants will engage in at least one activity from the "Mathematics of Politics" module and at least one activity from the "Mathematics of Art" module. Participants should leave the short course with ideas for class organization and class time management when active learning strategies are employed, a "ready to go" activity involving the mathematics of politics, a "ready to go" activity involving the mathematics of art, and references for sources of class activities

Codes, Cards, and Cryptography, **Jeffrey Ehme (Spelman College)**

Error correcting codes (ECCs) are what make electronic communication possible. They are used in everything from cell phones to CD players. This short course will develop the basics of the theory of ECC and apply these ideas to topics as diverse as card magic and public key cryptography. No previous experience with ECCs is assumed.

Undergraduate Research for All (**Anant Godbole, East Tennessee State University**)

The hypothesis behind this short-course is that undergraduate research (UGR) in mathematics can be meaningfully conducted with students of all abilities. will start by discussing some of the criteria of what constitute good UGR projects. will then delve into issues such as the formation of research teams, the role of oral presentations and write-ups, and assessment. will give a few examples of particularly successful projects that I have supervised. , we will spend an hour trying to create, in real time and in a major cooperative effort, new examples of possible research projects that attendees may use at their own institutions. course will be useful for faculty members who are contemplating beginning an undergraduate research program of any size. Faculty with experience at supervising UGR will find it useful as well.

Mail this completed form with a check **payable to the MAA** in the amount of $25.00 (non-refundable) before **February 23, 2007** ($30 after February 23 and on-site registration) to the Secretary-Treasurer :

John Harris, Secretary/Treasurer, MAA-SE
Department of Mathematics
Furman University
Greenville, Sc 29613John.Harris@furman.edu
(864) 294-3638

Appalachian STATE UNIVERSITY | rts Programs in the
epartment of
natical Sciences

The *Master of Arts in Mathematics* is designed for students who are interested in pursuing a career in teaching at the collegiate level. The course of study follows the American Mathematical Association of Two Year Colleges (AMATYC) guidelines, and provides an excellent mix of graduate level mathematics content with attention to pedagogy. Graduates with this degree have become instructors at two and four-year colleges, and have continued their graduate education in Ph.D. programs to prepare for careers in teaching at the university level.

The *Master of Arts in Mathematics Education* is designed for practicing teachers who are interested in furthering their teaching careers. The course of study follows the State of North Carolina's guidelines for M licensure in mathematics, and provides an excellent mix of graduate level mathematics with a focus on issues in secondary school teaching. Courses are offered in Boone during summer sessions, and at regional locations in the evenings during fall and spring semesters. For admission, students must meet the requirements of the graduate school and have A licensure in mathematics.

The *Peace Corps Master's International Program* is designed for students who wish to integrate a curriculum in mathematics or mathematics education with a tour of duty in the Peace Corps. Students begin this program with a year of core academic courses on campus in Boone, and follow this with a 27-month tour of duty in the Peace Corps, which can be arranged to help satisfy specific course requirements in the program. After completing their tour in the Peace Corps, students then return to campus for one semester to complete their academic courses.

Financial Aid: Assistantships are available for full time on-campus students for the 2006-2007 academic year. Awards range from $9,000 to $12,000 per academic year. A limited number of tuition waivers are also available for out-of-state students who apply before February 1. In addition, other scholarships and fellowships, including minority student grants, are available though the graduate school on a competitive basis.

Contact Information: Rick Klima and/or Greg Rhoads, Graduate Directors
Department of Mathematical Sciences
Appalachian State University
Boone, North Carolina 28608
KlimaRE@appstate.edu, RhoadsGS@appstate.edu

high school students in April. We will once again be a host site for 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. (Submitted by Jim Vandergriff)

Brevard College (Brevard, NC)

Since we last reported, we have graduated four more B.A. mathematicians and expect to graduate two more this year. Paper titles range from Gödel's Incompleteness Theorem(s) to Mathematics as an Element in Human Thought. Two of our graduates have entered the high schools as teachers, one is in The College of Charleston's graduate program in mathematics, and one is at the Greenville Theological Seminary.

For the seventh year, Brevard College has fielded successful participant teams in the COMAP modeling competition (MCM).

We have experienced a surge in interest in mathematics this Fall: six incoming students have expressed an interest in majoring in mathematics. Our accreditation in teacher licensure contributes to this phenomenon, but also some of these are athletes participating in the college's brand-new intercollegiate football program.

Long term faculty member Donnald Lander will retire this year. We are pleased that Charles Wallis has come to us from Western Carolina U. and will serve as coordinator of the mathematics major. (Submitted by Clarke Wellborn)

Clayton State University (Morrow, GA)

On April 21, 2006, the Clayton State University College of Information and Mathematical Sciences celebrated its first Catherine Cowan Aust Award, named after founding Dean of the College, Dr. Catherine Aust, who is also Professor of Mathematics. The College faculty unanimously voted to name the award after Dr. Aust, who celebrates her 31 years at Clayton State this spring. The award honors the best all-round performance in a CIMS major. The winner of the first Aust Award was Ashley Askew, who was a math major.

The Department of Mathematics at Clayton State University graduated its first Bachelor of Science degree recipient, Chad Frederick, in Spring 2006. He was a double major in mathematics and information technology. Chad is currently pursuing a master degree in computer science at Georgia State University. Before leaving Clayton State, Chad had the opportunity to attend the Summer School on "Computational Number Theory and Applications to Cryptography" at the University of Wyoming in Laramie. Our second graduate, Ashley Askew, is a student of many accomplishments. In addition to receiving the first Aust Award this year, Ashley also won the Chancellor's Academic Recognition Award in 2005. She received her B.S. degree this past summer, and is now at University of Georgia pursuing a doctoral degree in statistics. During her last year at Clayton State, Ashley presented her work, under the guidance of Aprillya Lanz, on boundary value

problems on time scales at several conferences including MAA Southeastern meeting at Auburn (March 06), University of Dayton Undergraduate Mathematics Day (November 05), and Mathfest (August 05).

Drs. Annita Hunt and Linda Nash stay busy getting involved with the Math and Science Partnership (MSP) Program, a grant that was instituted by No Child Left Behind Act. The MSP Grant Program is a nationwide formula grant program with awards based on the size of the individual state and on student population and poverty rates. Drs. Hunt and Nash conduct a weekly workshop in Clayton and Rockdale counties to improve content knowledge and teaching skills for fourth to twelfth grade math and science teachers. Dr. Karen Briggs was selected as a national Project NExT fellow. Aprillya Lanz directed six-week summer REU program at Clayton State University. The program, which was an MAA activity funded by the NSA, NSF, and Moody's Foundation, focused on uniqueness and existence of solutions of boundary value problems.

Dr. Nathan Borchelt recently organizeda Pre-service Math Teacher Educator (PTE-M) Technology Workshop for students in middle-grades mathematics and science education programs. The workshop is sponsored by the Teachers Teaching with Technology College Short Course Program at The Ohio State University with partial funding through a grant from Texas Instruments, Inc. It was designed for pre-service teachers currently involved in both the content and methods courses and consists of a series of modules designed to help students implement technology enhanced lessons in their classrooms. The workshop wasat Clayton StateSeptember 15th and 16th with 22 Middle Level Education students from Clayton State and two students from Kennesaw State University in attendance.

The Department also welcomed the newest Assistant Professor this fall, Dr. Christian Barrientos. Dr. Barrientos received his Ph.D. in mathematics from the Polytechnic University of Catalonia in the beautiful city of Barcelona (Spain). Before coming to Clayton State, Dr. Barrientos was a Visiting Professor at the University of Central Florida in Orlando. His research area is combinatorics, specifically graph theory. (submitted by Aprillya Lanz)

Davidson College (Davidson, NC)

Laurie Heyer and Michael Mossinghoff received tenure and promotion to Associate Professor. Stephen Davis received Davidson's Thomas Jefferson Award presented annually to a faculty member who has given well beyond the normal call of duty, quoting the last phrase of the award description that fits so well. Donna Molinek and Laurie Heyer are on full-year sabbaticals, with Donna at UNC Chapel Hill. John Swallow returned from his year in France and is this year's Section Lecturer. The department is hiring this year, as Ben Klein plans to retire after teaching next fall. Stephen and Ben took part in the AP Calculus Reading last summer, as Exam and Question leaders, respectively. Stephen is on the AP Calculus Test Development Committee.

Our Bernard Lecturer this fall was Jeffrey C. Lagarias of Univ. of Michigan. Our student awards went to senior Lesley Attkisson and sophomore Daniel Orr. The first R. Bruce Jackson Mathematics Award for a rising junior went to Phillip Compeau. Everyone is invited to Davidson College for the AMS Section meeting, March 3-4, 2007, where Andrew Granville will give the Erdös Memorial Lecture. (Submitted by Richard Neidinger)

Duke University (Durham, NC)

The math department will sponsor a conference, "Applications of Analysis to Mathematical Biology" from May 21-23, 2007, in conjunction with the 65th birthday of professor Michael Reed. For details, see http://www.math.duke.edu/conferences/AAMB07/.

We are delighted to welcome Lenhard Ng to our faculty. As a high schools student in Chapel Hill, Lenny excelled in local, national and international math competitions. After receiving his doctorate from MIT, Lenny spent much of the following five years at Stanford on a postdoctoral fellowship from the American Institute of Mathematics.

Professor Arlie Petters was inducted into the Portrait Gallery of Distinguished African-Americans in Science, Engineering and Medicine. He has been in the news recently for proposing a test to determine the dimensionality of the universe.

Congratulations to Charlotte native and associate professor Jonathan Mattingly who was the only mathematician this year awarded the Presidential Early Career Award for Scientists and Engineers.

The National Science Foundation has awarded a grant of $448,000 to the Master of Arts in Teaching program. This grant will provide stipends and tuition expenses to students in return for a commitment to teach at the high school level. Associate professor Richard Hodel is one of the principal investigators of this grant.

The Duke Math Alumni Series of talks to undergraduates continued this fall with delightful lectures by Jeanne Nielsen Clelland (Duke BS 1991 & PhD 1996) and Jeff Vanderkam (Duke BS 1994, Princeton PhD 1998). Jeanne's talk on October 4 was entitled " The Poincare Conjecture, or why topologists cannot tell their donuts from their coffee cups." Jeff's talk on October 18, entitled " Why the Riemann Hypothesis is True", introduced the undergraduates to the history of this "Millennium Problem", to the overwhelming evidence of its validity, and to some approaches that may lead to a solution.

For the sixth time is seven years, the Duke Putnam team was ranked third among the 400 colleges and universities competing. The team consisted of junior Nikifor Bliznashki, sophomore Lingren Zhang and freshman Jason Ferguson. Lingren was awarded the Southeast regional MAA prize for his highest finish among contestants in the region.

Seven teams from Duke submitted solutions to COMAP contests this February. The team of Nikifor Bliznashki, Matthew Fischer and Brandon Levin was designated Outstanding in the Math Contest in Modelling. The

teams of Arnav Mehta, and Qianwei Li, Aaron Wise and of Tyler Huffman, Barry Wright III, and Charles Staats III were designated Outstanding in the Interdisciplinary Math Contest. Each of the other four teams received Meritorious designation. The Duke teams were advised by Dr. W. Garrett Mitchener, a former three type MCM winner. (Submitted by David Kraines)

East Carolina University (Greenville, NC)
This past year, the department added three new tenure-track faculty members: Pramath Sastry, Alexandra Ivanova, and Njinasova Randriampiry. The department also added three new lecturers: Ahmed Abdelfattah, Fawaz Hjouj, and Yan Lyansky.

On a more somber note, retired faculty members Katye Sowell and John Daniels passed away this past year. (Submitted by Chris Jantzen)

Furman University (Greenville, SC)
The department welcomes a new faculty member this year. Dr. Kevin Hutson returns to Furman this fall. Kevin completed his graduate work in Operations Research at Clemson University in 2002. He taught at Furman for one year as a sabbatical replacement before taking a position at Denison University. We are excited that Kevin decided to return to the Furman faculty this year. In other faculty news, Bob Fray was inducted as President of the Resource Modeling Association. John Harris was selected as Secretary-Treasurer for the Southeast Section of the MAA. John was also awarded the Alester G. Furman and Janie Earle Furman Award for Meritorious Teaching. Doug Rall was an invited speaker at the 20th Clemson Mini-conference on Discrete Mathematics and at the Cumberland Conference on Graph Theory, Combinatorics and Computing. Doug also had two papers published this year, one in *Discrete Mathematics* and the other in the *Australasian Journal of Combinatorics*. Hamp Sherard has been appointed editor of the Short Takes Department of the NCTM journal *Mathematics Teaching in the Middle School*. Hamp also gave a workshop, "Algebraic Thinking and Representation: An Important Pair," at the national meeting of the NCTM.

We are pleased that last year two of our majors, Angela Hicks and Lauren Hund, participated in the Budapest Semesters in Mathematics program. We would like to recognize Angela for two other distinctions. Last spring, she was awarded a Barry M. Goldwater scholarship. Over the summer, Angela participated in the NSF REU program in Graph Theory and Combinatorics in Duluth, MN under the direction of Joseph Gallian.

Our department again hosted the Clanton Visiting Mathematician program. Last year's Clanton Visitor was Peter Winkler of Dartmouth College. Dr. Winkler gave three talks culminating in an evening talk focusing on mathematical puzzles such as the ones presented in his popular books and articles. This year's Clanton Visitor is Harvard University Professor Barry Mazur. His Clanton talks will take place on Thursday, March 29, 2007. (Submitted by John Harris and Kevin Hutson)

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. Active areas of research include applied and computational mathematics, ordinary and partial differential equations, functional analysis and operator theory, topology, graph theory, functional equations, and statistics. 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: Graduate Teaching Assistantships are available for a nine-month period with stipends of $13,000 for doctoral students and $11,000 for master's students. There is also the possibility of summer support. All Graduate Teaching Assistants receive a tuition waiver. Screening of applicants for Fall begins in February, while screening for Spring starts in October.

The University: Mississippi State University is a Land-Grant Institution with a Carnegie classification of Doctoral/research university-extensive and an enrollment of over 16,000, which includes more than 3,000 graduate students. The campus is located in northeast Mississippi adjacent to the city of Starkville and the Mississippi Research and Technology Park.

The Department: Currently, the Department has thirty-three faculty members, including twenty-four graduate faculty, approximately fifty undergraduate majors, and about forty full-time graduate students. The Department's faculty is active in research and publication. Computing resources include a departmental computer laboratory, two computer classrooms, and personal computers in all offices. All computers are higher-end, networked, and loaded with the latest versions of commonly used software packages in mathematics and statistics. The Department provides collaborative support for projects funded through the Engineering Research Center (ERC).

Correspondence: For further information 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; URL: http://www.msstate.edu/dept/math. Students may apply online at http://www.msstate.edu/dept/grad/admissions.

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

Gainesville State College (Gainesville, GA)

Moustafa Kanawati and Jennifer Feenstra join us as new faculty this year. Heather Howington received tenure.

The Thirteenth Annual Math Tournament will be held on April 14th, 2007. Please see the website for further details:www.gsc.edu/math/tournament. (Submitted by Gina Reed)

Georgia College & State University (Milledgeville, GA)

We have two new faculty members in tenure-track positions: Dr. Ryan Brown and Dr. Desale Habtzghi. Dr. Brown received his Ph.D. from the University of Missouri-Columbia in May 2006. His research area is differential geometry. Dr. Habtzghi received his Ph.D. from the University of Georgia in May 2006. His research interests are in nonparametric survival analysis, statistical inferences (nonparametric and parametric), bootstrap methods, statistical computing and mathematical statistics methodology and application. Dr. Laurie Battle is now in the Mathematics Department at Montana Tech of the University of Montana.

Dr. Laurie Edler and Dr. Jason Huffman were awarded tenure. Dr. Martha Allen was awarded tenure and promoted to Associate Professor. Dr. Craig Turner received the GCSU Faculty University Service Award. He served as co-chief aide for the AP Calculus Reading at Colorado State University in June 2006 where nearly a quarter million AP calculus exams were scored by over seven hundred faculty consultants comprised of high school AP Calculus teachers and college professors. During 2006-2007, his 14th year at GCSU, Dr. Turner is serving as Chair of the Executive Committee of the University Senate.

Allen Hoffmeyer (GCSU class of 2006) has had a paper entitled "Self-Quasi-Regularity in Certain Rings" accepted for publication in the Rose-Hulman Institute of Technology Mathematics Journal. Allen completed this work under the direction of Dr. Jason Huffman. Last spring, Allen presented this work at the MAA Southeastern Section Meeting at Auburn University for which he won a cash prize for having one of the best overall undergraduate research presentations. He also presented his work at the Francis Marion/Kappa Mu Epsilon Region Three Joint Undergraduate Mathematics Conference at Francis Marion University. Allen is currently pursuing his Ph.D. in mathematics at the Georgia Institute of Technology.

This year our department is introducing the Sara L. Nelson Scholarships for outstanding mathematics majors. Dr. Sara L. Nelson graduated from Georgia State College for Women (now Georgia College & State University) in 1926 with a bachelor's degree, majoring in mathematics with a minor in chemistry. After receiving her Ph.D. in mathematics from Cornell University, she joined the faculty of Georgia College and was a beloved teacher of mathematics until her retirement in 1968.

As a result of a generous endowment from Dr. Nelson, we will award several scholarships for the 2006–2007 academic year. (Submitted by Martha Allen)

Georgia Southern University (Statesboro GA)

We have the following new tenure-track people this year: Hani Samawi (Ph.D. from the University of Iowa) and Chunshan Zhao (Ph.D. from University of Iowa – but a different year!). We said good-bye to retiring Don and Laurene Fausett who moved to Texas. Yan Wu and Sze-Man Ngai received tenure and were promoted to Associate Professor.

The 18th Mathematics Tournament for junior high and high school participants was held March 10, 2006 and attracted more than 800 participants. We should be just as successful with this year's tournament which will be held February 10, 2007.

Our faculty continue to excel in all areas. Donna Saye was announced in May as a winner of the 2006 Georgia Southern Award for Excellence in Contributions to Service; in April, she was also named Outstanding First-Year Advocate for the University and has been nominated for a similar award on the national level. On February 27, she will present "Professional Service:Opportunities, Challenges, and Rewards" to the University community as part of the Focus on Excellence Program for winners of University-level awards. Pat Humphrey was announced in August as the winner of the 2006 College of Science and Technology Award for Excellence in Teaching. Steve Damelin received a three year NSF grant on Approximation, Equilibrium Measures and Discrepancy over Domains, Finite Fields, and Smooth Manifolds. Jiehua Zhu was named a national Project Next Fellow.

We hosted the Summer Conference on Topology and Its Applications July 6-9. This was organized by Frederic Mynard, Francis Jordan and Sze-Man Ngai. This attracted approximately 125 topologists from all over the world!

We are also excited to be hosting the Section Meeting March 16-17, 2007! More on that elsewhere in the Newsletter. (Submitted by Pat Humphrey)

Guilford College Mathematics (Greensboro, NC)

Ben Marlin has joined our department in a new tenure-track position as Associate Professor of Mathematics. He has an M.S. degree in Applied Mathematics and a Ph. D. in Dynamical Systems, both from the University of Missouri-Rolla.

Elwood Parker will be on study-leave during the spring semester, 2007 (Submitted by Rudy Gordh)

High Point University (High Point, NC)

The Department of Mathematics and Computer Science welcomed two new faculty members in Fall 2006. Dr. Brian Fulton, Assistant Professor of Mathematics, received his doctorate from Virginia Tech in 2006. His area of

interest is applied mathematics. Dr. Melanie Fulton, Visiting Assistant Professor of Mathematics, received her doctorate from Virginia Tech in 2006. Her areas of interest are graph theory and algebra. Dr. Sylvia DeMaio left the department in May to return to Atlanta. Dr. Karen O'Hara received tenure and promotion to Associate Professor.

Mr. Roger Shore and Dr. Bill Hightower took four teams of computer science students to the Mid-Atlantic Regional Programming Contest sponsored by ACM and held on Duke University's campus. Over 130 teams from 67 universities and colleges participated in the contest. Dr. Lisa Carnell presented a session at the North Carolina Council of Teachers of Mathematics State Conference on proofs of the Pythagorean Theorem. Dr. Karen O'Hara participated at the NSF sponsored Conference on Mathematical Biology at the USMA in West Point, NY. Participation was by invitation only.

Kennesaw State University (Kennesaw, GA)

Our new name is the Department of Mathematics and Statistics and we have a new Masters in Applied Statistics beginning this fall.

We have a total of nine new faculty this year. Dr. Michael de Villiers is a Visiting Associate Professor of Mathematics Education from the School of Science, Mathematics & Technology Education, University of KwaZulu-Natal, Durban, South Africa. His doctorate is from the University of Stellenbosch, South Africa. Dr. Tad Watanabe is an Assistant Professor of Mathematics Education with a Ph D. from Florida State University. Prior to coming to KSU, he was at Penn State for 4 years and Towson University (Towson, Maryland) for 10 years. Dr. Ana Maria Croicu is an Assistant Professor of Mathematics who received a Ph.D., in Mathematics, Babes-Bolyai University, Romania, 2001 and a PhD in Applied Mathematics, Florida State University, 2005. Her last appointment was at Florida State University, School of Computational Science as a Research Associate. Dr. Sarah Ledford is an Assistant Professor of Mathematics Education and has her Ph.D. in mathematics education from University of Georgia (Dec. 2006). Dr. Xuelei (Sherry) Ni is a new Assistant Professor of Statistics with her Ph.D. from Georgia Institute of Technology. Dr. Angela Teachey is an Assistant Professor of Mathematics Education with her doctorate from North Carolina State University. Dr. Andrew Whittle is an Assistant Professor of Mathematics with his Ph.D. from University of Bath, England. He joins us from a post doc at University of Tennessee, Knoxville. We have two temporary full time faculty: Ms. Nicole Ferguson who has an MS from the University of Georgia and Mr. Michael Frankel who has an MS from the Georgia Institute of Technology.

Meghan Burke and Marla Bell were promoted to Professor. Wendy Sanchez received tenure and was promoted to Associate Professor. (Submitted by Virginia Watson)

Lander University (Greenwood, SC)

Dr. Andre Lubecke has been reappointed as Chair of the Department of Mathematics and Computing for a three year term. Dr. Walt

(retired Lander professor) and Susan (retired Erskine professor) Patterson have established the Walt and Susan Patterson Prize to encourage undergraduates to participate in meetings of the Southeastern Section of MAA. The Department anticipates filling two mathematics faculty positions either in January or August 2007. (Submitted by Pattie Blitch)

Mercer University (Macon, GA)
 Samson Alva was the winner of the Riley Plymale Award for Excellence in Mathematics, presented to the senior mathematics major whose work has been judged by the Mathematics faculty to be exemplary.
 Dr. Joel Haywood is teaching as an adjunct for the Mathematics Department this semester.
 The Twenty-Second Annual Mercer University High School Mathematics Contest will be held November 11, 2006.
 The Department will host the Second Biennial Mercer University Undergraduate Research in Mathematics Conference (MUURMaC) in conjunction with the Spring 2007 MAA Georgia State Lunch. For the conference, we invite submissions for fifteen-minute presentations from undergraduates engaged in the research process. Teams of 3 students each are also invited to participate in a problem solving competition. The speaker for the lunch and for the conference will be Dr. Francis Su of Harvey Mudd College and winner of the 2004 Henry L. Alder MAA Award for Distinguished Teaching and the 2001 Merten M. Hasse MAA Prize for Outstanding Mathematical Exposition. The conference is an MAA NSF-RUMC activity funded by NSF DMS-536991. To register for the lunch or the conference, go to http://www.mercer.edu/math/muurmac. (Submitted by Curtis Herink)

North Carolina A&T State University (Greensboro, North Carolina)
 Dr. Shea D. Burns was tenured and promoted to Associate Professor effective July 2006. Dr. Bampia Bangura was tenured, effective July 2006. Dr. John Paul Rhoop. was appointed as an Assistant Professor, beginning July 2006. Dr. Rhoop earned his Ph.D. in mathematical sciences from Clemson University. Dr. Kathy Cousins-Cooper is on maternity leave for the second half of Fall 2006 semester.
 Dr. Dominic Clemence is the Director of The Academy for Sports and Computational Exploration in Science (ASCES), a collaborative project with NCA&T, The Black Child Development Institute of Greensboro, and the Hayes-Taylor YMCA. The goal of the academy in part is to empower parents to positively impact their children's education and interest in STEM fields through sports coupled with hands-on exploratory science.
 Prof. Patricia G. Shelton received an Academic Advising Award for the 2006-2007 Academic Year from the College of Arts and Sciences. This recognition included a monetary award. Professor Shelton has been head of advising within the Department of Mathematics for many years, in addition to her teaching and other duties.University started to recognize outstanding advising within each of its Schools and Colleges in 2004.

Walt and Sue Patterson Prize

Thanks to a generous donation by Walt and Sue Patterson, there will be prizes awarded for the best undergraduate talks. The total award of $500 will be divided among the best presentations as judged by a team of judges.

Undergraduate students are encouraged to present their work at the conference to compete for the first Patterson Prize awarded.

Submit all abstracts to Tom Barr at

Dr. Alexandra Kurepa received the award for her work in te Interdisciplinary Teaching and Learning category at the Academy for Teaching and Learning Showcase 2006. The award is given by the Provost and the Academy for Teaching and Learning at NCA&T.

Dr. Giles Warrack is serving as solicitor in the Department of Mathematics for the North Carolina State Employees Combined Campaign at North Carolina A&T State University in 2006. Dr. Robert Mers, who usually serves in this capacity, is on leave for Fall 2006.

Dr. Janis Oldham and Dr. Dominic Clemence served as readers in the AP Calculus reading held at Colorado State University at Fort Collins, Colorado, June 2006.

Dr. Dominic Clemence was an organizer of the DIMACS Workshop on Facing the Challenge of Infectious Diseases in Africa: The Role of Mathematical Modeling, which was held Sept 25-27, 2006 at the University of Witwatersrand (WITS) in Johannesburg, South Africa. (Other organizers came from UC Berkeley, University of Manitoba, SACEMA, University of Botswana, and DIMACS - the Center for Discrete Mathematics & Theoretical Computer Science at Rutgers University). This workshop was jointly sponsored by: African Institute for Mathematical Sciences (AIMS); Burroughs Wellcome Fund; DIMACS;US National Science Foundation; South African Centre for Epidemiological Modeling and Analysis (SACEMA); School of Computational and Applied Mathematics, WITS University and WITS AIDS Research Initiative. Participation was by invitation only.

Dr. Mingxiang Chen presented a poster, for work done in collaboration with Dr. Dominic P. Clemence and Dr. Gregory Gibson, entitled, "Dynamical Properties of Some Finite Difference Schemes for an SI Epidemic Model" at the research workshop on Facing the Challenge of Infectious Diseases in Africa: The Role of Mathematical Modeling, in Johannesburg, South Africa, September 25-27, 2006.

Dr. Katrina Staley and Dr. Shea Burns attended the International Workshop: Setting a Collaborative Mathematics Education Research Agenda for Africa and the United States from July 31-August 1, 2006 in Dakar, Senegal. The International Workshop focused on providing a broad framework for identifying and sharing strategies to improve mathematics education at the pre-college and college levels. The overall goal of the workshop was to formulate a collaborative mathematics education research agenda and develop an action plan for the implementation of this agenda involving mathematicians and mathematics educators from Africa and the United States. This workshop was sponsored by the Quality Education for Minorities (QEM) Network, a non-profit organization based in Washington, DC.

Dr. Giles Warrack attended a "Pipeline Issues Workshop" on Saturday, September 30 from 8:30am - 5:00pm at NC State University. The workshop, which was organized by Dr. Kim Weems of the Department of Statistics at NC State University, focused on ways to recruit more women and minorities into the statistics profession.

Dr. Barbara Tankersley attended the National Center for Engineering and Technology Education (NCETE) Fall 2005 Leadership Meeting, California State University, Los Angeles, CA, October 28-29, 2005. At this meeting, she was also a panel member for the Engineering Design and Analysis Panel Discussion.

Dr. Barbara Tankersley participated in the Project Next-SE Workshop, Auburn University, Auburn AL, March 30, 2006 and the Mathematical Association of America Southeastern Section Meeting, March 31-April 1, 2006 at Auburn University, Auburn, Alabama.

Dr. Giles Warrack and Dr. Alexandra Kurepa have received $132,035 to fund the last year of their Office of Naval Research grant "Computational Methods for Target-Tracking Problems". Currently two graduate and three undergraduate students are working on the project.

Dr. Mingxiang Chen is PI, and Dr. Dominic P. Clemence and Dr. Gregory Gibson are Co-PI's for the FUTURES Ventures Grant 2006-2007 entitled "Networking to Explore International Public Health Through Mathematics and Computation." The award is for $15,000. This project is an international student-faculty development program at the interface of mathematics and public health through collaboration with the mathematics departments at the University of Botswana and North Carolina A&T, and Guilford County of North Carolina. This project supports the FUTURES themes of interdisciplinary programs and centers, enhanced and diversified resources, responsive learning environment, and responsive student services

Dr. Dominic Clemence and Dr. Mingxiang Chen are Co-PI's for the NSF grant entitled A Bio-mathematical Learning Enhancement Network for Diversity (BLEND). The grant award was for $240,000.00 for 36 months beginning September 2006.

Dr. Guoqing Tang, who in addition to being a professor of mathematics is also an adjunct professor of physics co-authored two papers in

the area of physics. "Strong surface waves observed in the Western Coastal Plain of the Taiwan Island from one aftershock of the 1996 Chi-Chi, Taiwan, Earthquake" was published in the Bulletin of Seismological Society of America (BSSA), Vol. 96, No. 3, pages 821-845, June 2006. "Strong ground motions observed at the UPSAR during the 2003 San Simeon earthquake (M 6.5) and the 2004 Parkfield earthquake (M 6.0)" was published in the Bulletin of Seismological Society of America, Vol. 96, No. 4b, pages 159-182, September 2006. BSSA is a premier peer-refereed journal of the Seismological Society of America.

Dr. J.P. Rhoop has co-authored a paper (with V.J. Ervin, N. Heuer) entitled "Numerical Approximation of a Time Dependent, Non-linear, Fractional Order Diffusion Equation." It will appear in the SIAM Journal of Numerical Analysis in 2006.

Dr. Mingxiang Chen and Dr. Dominic P. Clemence co-authored"Analysis and Numerical Schemed for a Mouse Model in Hantavirus Epidemics' in Journal of Difference Equations and Applications, Vol. 12, no. 9, (2006) 887-899.

Dr. Alexandra Kurepa organized the Tenth Annual NCA&T Math Awareness Day on April 26, 2006 as part of the national observance of Mathematics Awareness Month. The program included graduate and undergraduate math student presentations as well as a poster session. Also on the program was a session where non-math majors presented different interdisciplinary group projects. The featured speaker for the event was Dr. Kossi Edoh of NCA&T who spoke on Mathematics and Internet Security.

In April 2006 the Math department once again hosted high school students participating in the state high school math contest. NCA&TSU is a regional site. Dr. Bampia Bangura coordinated the effort. Dr. Bangura was assisted by the NCA&T chapter of the NCCTM, Pi Mu Epsilon member, and a large group of math faculty volunteers.

The Mathematics Department will no longer offer a B.S. in Mathematics Education, after the graduation of those students admitted to the program in 2005. There is a new degree offered through the College of Arts and Sciences which is a B.S. in Secondary Education with various concentrations. One concentration is in mathematics. The program for the mathematics concentration has been approved by the mathematics faculty. (Submitted by Janis M. Oldham)

North Carolina State University (Raleigh, NC)

Aloysius G. Helminck was been appointed Head of NC State's Mathematics Department effective July 1, 2006. Dr. Helminck has been with the department since 1987 and served as interim head of the department since 2005.

Hien Tran was named Associated Head of NC State's Mathematics Department effective July 1, 2006. Dr. Tran has been with the department since July 1989.

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Welcome to Dr. Nathan Reading who joined NCSU Faculty as Associate Professor summer 2006.

Bojko Bakalov was awarded the Hermann Weyl Prize (citation) at the 26th International Colloquium on Group-Theoretical Methods in Physics, organized by J. Birman and S. Catto in New York June 26-30, 2006.

Kazufumo Ito won a SIAM Outstanding Paper Prize for the paper ``The Primal-Dual Active Set Strategy as Semi-Smooth Newton Method'', SIAM J. Optimization 13 (2002), 865--888 coauthored with M.Hintermuller and K.Kunisch.

Dr. William M. Waters, Jr. has been awarded the 2006 Rankin Award. Dr. Waters has been with the department since 1970 and retired last spring. (Submitted by Miriam Ansley)

Samford University (Birmingham, AL)

We are pleased to welcome Jeffrey Powell as a new tenure-track assistant professor beginning Fall 2006. Jeffrey recently completed his Ph.D. at Emory University in graph theory. (Submitted by Bruce Atkinson)

Spelman College (Atlanta, GA)

During the summer of 2006, Drs Nagambal Shah and Monica Stephens conducted the Spelman Environmental Science Summer Institute (SESSI 06). Seven students participated in this NSF supported interdisciplinary research institute. Dr. Stephens also directed an NREUP supported Climate Modeling and Climate Change summer program in which 4 students took part. It is little wonder that Dr. Stephens was tenured and promoted to associate professor. Dr. Jeffrey Ehme was promoted to professor and Dr. Yewande Olubummo assumed the role of chair of the Mathematics Department. Dr. Tasha Inniss is on sabbatical leave for the Fall 2006 semester. Dr. Colm Mulcahy continues to write the MAA Online Column, Card Colm. (Submitted by Jeffrey Ehme)

Tennessee Tech University (Cookeville, TN)

After 8 years of service as department chair, Rafal Ablamowicz has returned to full time teaching and research. Allan Mills will serve as interim department chair this academic year.

We are pleased to have three new faculty members joining us this fall. Amy Chambers joins us as an Assistant Professor. She researches C* algebras and earned her Ph. D. from the University of Colorado.   Sam Narimetla joins us as an instructor. Sam earned a Ph. D. in Mechanical Engineering from Tennessee Tech. Mendy Morrison joins our department as an instructor. Mendy received her M. S. degree in Mathematics from Oklahoma State University.

Sabine Le Borne is spending the 2006/07 academic year at the Max-Planck-Institute (MPI) for Mathematics in the Sciences in Leipzig, Germany, to collaborate with their scientific computing research group. The MPI provides an ideal setting for her mathematical research on H-matrices.

This fall the department welcomed back former faculty member Mike Breen as host of the *Who Wants to be a Mathematician* contest for high school students staged at Tennessee Tech. While Mike was on faculty at Tennessee Tech he was a contestant on both *Jeopardy* and *Wheel of Fortune*. After joining the AMS as a Public Awareness Officer, Mike's interest in game shows led him to develop, along with Bill Butterworth of De Paul University, a mathematical adaptation of the popular *Who Wants to be a Millionaire* game show. At the Tennessee Tech *Who Wants to be a Mathematician* contest both finalists solved the bonus question to win $2,000. Our colleague Andrew Hetzel presented a talk titled "When Does 1+1 =0?" before the contest. (Submitted by Allan Mills)

Wake Forest University (Winston-Salem, NC)

Wake Forest has three new members of our faculty: Dr. Jason Parsley, Assistant Professor; Dr. Carla Cotwright, Visiting Assistant Professor, and Cynthia Suerken, Visiting Instructor. Jason's interests are in differential geometry and knot theory, and he comes to us from a postdoctoral appointment at the University of Georgia; he was an undergraduate at Duke, and he received his doctorate from the University of Pennsylvania. Carla works in matroid theory and graph theory; she comes to us as a new Ph.D. from the University of Mississippi. Cynthia holds a masters degree in statistics from the University of Georgia, and she is teaching statistics courses.

Two members of our faculty have Reynolds Research Leaves this year: Hugh Howards is on leave for fall 2006, and Greg Warrington is on leave for the 2006-7 academic year. Sarah Raynor and Greg Warrington have been appointed Sterge Faculty Fellows. Ken Berenhaut has been tenured and promoted to Associate Professor.

Dr, Jeffrey S. Rosenthal, Department of Statistics, University of Toronto, will be giving the Gentry Lectures at Wake Forest on March 7 and 8, 2007.

The Wake Forest University Mathematics Contest will be held on Saturday, March 24, 2007.

September 13-14, 2006 we hosted the visit of Phi Beta Kappa Visiting Lecturer, Professor Jean E. Taylor, Professor Emerita from Rutgers University. She visited classes, interacted with students and faculty, and presented two lectures: "Women and Mathematics" and "Soap Bubbles and Crystals".

A seminar room has been named for Marcellus E. Waddill, who taught in the department from 1962-1997. A reception in honor of this occasion was held on October 10, 2006. (Submitted by Ellen Kirkman)

University of North Carolina Charlotte (Charlotte, NC)

UNCC has four new faculty members. Alex Gordon is back from University of Rochester after several years. His research areas are functional analysis, mathematical physics, and, currently, biostatistics. He has degrees from the Moscow State Lomonosov University and Moscow Institute of Electronic Engineering. John Taylor earned his undergraduate and masters

Mathematics. Tennessee Tech University

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degrees from N.C. State, and the Ph.D. in commutative ring theory in May 2006. His current position is lecturer at UNCC. His research interest is commutative ring theory. His dissertation, directed by Evan Houston, is entitled "Arithmetic Properties of Pullback Domains" and is scheduled to appear in the Journal of Algebra. Jeong-Lim Chae joins the faculty as an Assistant professor in Mathematics Education. She has just completed a post-doc at the University of Michigan at Ann Arbor. She earned the Ph.D. in Mathematics Education at the University of Georgia in August, 2005.

UNCC also has five visitors. Visitor Xia Ji's research area is computational electromagnetics. He comes from Peking University, China. He is working with Professor Wei Cai. Jiguang Sun, from University of Delaware, works in computational electromagnetics, inverse and scattering problems and imaging. He too is working with Wei Cai.

Recent graduate George Alexander participated in Richard Neel's National Problem Solving Contest at MathFest in Knoxville. The department is proud of his third place finish.

The department's Pi Mu Epsilon chapter initiated 11 new members. Michael Klibanov presented the initiation lecture.

Gabor Hetyei was awarded tenure and promoted to Associate Professor and Harold Reiter was promoted to Professor. Alan Lambert retired in May. He joined the department in 1974.

The math department's high school Super Competition attracted 170 Comprehensive mathematics student participants from 19 schools and 80 Algebra II participants from 13 schools. The students heard a great talk by Mark Ginn, Associate Professor and Assistant Chair, Department of Mathematical Sciences, Appalachian State University. It was entitled "Football and Graph Theory."

North Carolina director of the American Math Competitions Harold Reiter reported that more than 5000 North Carolina students took either the AMC 10 or AMC 12 last February. More than 300 of these qualified for the second round AIME, and 13 of these qualified for the USA Mathematical

Olympiad. An unprecedented six qualified for the Summer Program. They were John Pardon, Noah Blach, Jeremy Hahn, Arnav Tripathy, John Berman, were John Pardon, Noah Blach, Jeremy Hahn, Arnav Tripathy, John Berman, and Yakov Berchenko Kogan. Arnav Tripathy won a gold medal at the IMO. Congratulations to all six of these distinguished students. (Submitted by Harold Reiter)

University of North Carolina Pembroke (Pembroke, MC)

      Dr. Don Beken attended the October Sectional Meeting of the AMS at the UNiversity of Nebraska, Lincoln. A joint paper with Dr. Ralph DeMarr entitled "Different Matrices with the Same Eigenvalues" was presented.

      Dr. Guo Wei had the following papers accepted for publications: "Embedding of Topological Dynamical Systems into Symbolic Dynamical Systems: A necessary and Sufficient Conditions," a joint paper with Yangeng Wang. Rep. Math. Phys. 57(3) 2006. "On Metrization of Matheron Topology Using Alexandroff Compactification" a joint paper with Yangeng Wang International J. Approx.

      Dr. Laszlo Zsilinszky presented the following papers: "On products of Baire spaces," General Topology & Abstract Analysis, Youngstown, OH, April, 2006. "On w-boundness of the Vietoris hyperspace," 21st Summer Conference on Topology and its Applications, Stateboro, GA, July, 2006. "On Baaireness of the Wijsman hyperspace," Toposym 2006, 10th Prague Topolocal Symposium, Czech Republic,August, 2006. (Submitted by Don Beken)

University of North Carolina Wilmington (Wilmington, NC)

      This year the Mathematics and Statistics Department continued to get recognition for the teaching efforts of its faculty. Dr. Gabriel Lugo received the Chancellor's Teaching Excellence Award in May and a Distinguished Teaching Professorship in August. Dr. Russell Herman was recognized with the UNC system's Board of Governor's Award for Teaching Excellence which is awarded annually to one person from each university in the UNC system.

      There were three promotions this year. Dr. Mark Lammers and Dr. Daniel K. Guo were promoted to Associate Professor and Dr. Russell Herman was promoted to Professor.

      Ms. Kelli Slaten, who is currently a Ph.D. candidate in Mathematics Education at North Carolina State University, plans to defend her dissertation in December 2006 and join our department in January 2007 as Assistant Professor in Mathematics Education. She received her B.S. in Recording Industry from Middle Tennessee State University (1995) and pursued her graduate study in Mathematics at Louisiana State University (2000-2002). She currently works as a research assistant in the Center for Research in Mathematics and Science Education at NCSU and holds NC Secondary Teacher Licensure in mathematics.
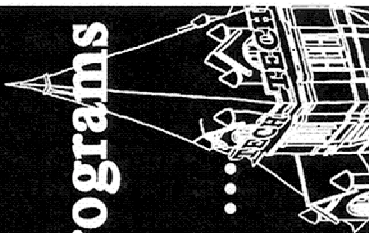
UNCW, under the leadership of Dr. J. Denise Terry, is collaborating with Texas Instruments to develop a technology - enhanced learning resource center for math education. TIME-Technology Innovations in Mathematics Education, located on the UNCW campus, will bring state-of-the-art technology and highly qualified professional development to students and teachers in our 10 county Professional Development System. This environment will provide exposure, awareness, understanding, and proficiency of the effective use of technology in mathematics classrooms. A goal of the TIME center will be to increase student achievement by providing teachers with opportunities to become knowledgeable of best practices that will better-serve their students. Our center will be equipped with instructional technology (including TI-84+SE, 73, 10, 15 calculators and TI-Navigators), current publications and resources, and instructional aids. Programs will begin next summer.

Dr. J. Denise Terry also directed the Jr. Seahawk Academy during the week of July 10th-14th and had 50 daily participants ranging in age from 10-14, grades 5-9. This enhancement program is designed to address the needs of middle school youth. Students from all backgrounds are provided the opportunity to experience math, science and technology in new and inventive ways that go beyond the traditional classroom setting. The program empowers students to become engaged in structured, highly interactive, technologically enhanced, fun activities aligned with the North Carolina Standard Course of Study for mathematics and science. (Submitted by Russ Herman)

University of South Alabama (Mobile, AL)

Our department is pleased to welcome Dr. Jyoti Champanerkar (PhD, New Jersey Institute of Technology, 2004): she joins us as assistant professor of mathematics, in tenure track position.

We want to congratulate two of our colleagues: Mrs Cynthia Crumb, who was recently promoted to senior instructor, and Dr. Vasiliy Prokorov, who was promoted to full professor.

The 2005-2006 academic year has been a rather productive one for our mathematics and statistics faculty at USA.

The Mobile Mathematics Circle met weekly, presenting interesting, extra curricular mathematics and engaging in problem solving a group of about sixty local high school students. Scott Carter, Cornelius Pillen and Vasiliy Prokhorov received a grant from the Alabama Space Grant Consortium, which helped funding the Circle activities: we are very grateful for our colleagues' dedication to this project.

A number of grants continued to support our work: six of our faculty members had their research funded by the NSF. The Alabama Center for Estuarine Studies and the Alabama Space Grant Consortium are among other grant awarding agencies.

About thirty refereed papers written by the faculty in our department have been accepted or published.

Our colloquium and seminar series was again a very active one, with several outside speakers. Among the various talks, we had a series in Algebra and a series in Mahler Measure and Knot Theory. We also had visiting researchers in Mathematical Biology and Mathematical and Statistical Modeling. Funding for colloquia and seminars was partially provided by our College of Arts and Sciences.

Faculty members gave invited presentations in Canada, France and Italy. In addition, many of us gave talks, attended workshops, or performed professional service in several different USA states.

For further or more detailed news and information, please visit our web site at http://www.usouthal.edu/mathstat (Submitted by Gabriella Segalla-Pickett)

University of South Carolina (Columbia, SC)

We have three new members of our faculty. Nigel Boston (the first holder of the new *Wyman L. Williams and Ernest A. and Marguerite Zeigel Hedberg Chair* which was endowed by the estates of longtime MAA members, Josh Cooper (Palmetto Assistant Professor), and Eva Czabarka.

Also visiting our department are, Attila Sali from Alfréd Rényi Institute of Mathematics; Geoff Diestel, Andy Yingst, Lutz Weiss (fall), and Wolfgang Dahmen (spring). Recent visitors to our Industrial Mathematics Institute (IMI) include Peter Binev, Weidong Zhao, Shijun Zheng, and Gyula Katona.

Peter Harley, Jim Roberts, and Bob Stephenson join the ranks of recently retired faculty members.

Vladimir Temlyakov gave an invited presentation at the recent International Congress of Mathematicians and Ron Devore gave one of the plenary addresses there. Ralph Howard gave a plenary talk at the conference Integral Geometry and Convexity related Topics held in Wuhan, China.

Laszlo Szekely is the Interim Director of the IMI, while we conduct a search for a permanent Director, and Jerry Griggs is serving as the Interim Department Chair for 2006–2008.

Mary Ellen O'Leary received the 2005-2006 Hill Honors teaching award from the South Carolina Honors College. Mary Ellen and Deborah Geddings lead the department's participation in the MAA's Project CRAFTY.

David Sumner gave the MAA Banquet talk at Columbia College.

Undergraduate Awards include: Matthew Elder - NSF Graduate Research Fellow, Jason Owens - NSF Graduate Research Fellow, Corinne Sheridan - National Physical Science Consortium Fellow, Bill Kay and Raleigh Youmans, both freshmen math majors received an Honorable Mention in the COMAP Modeling Contest in Mathematics (MCM).

Our department is proud to have three of the first 17 Knowles Science Teaching Fellows in mathematics, a national program to support future high school math teachers who have demonstrated outstanding achievement as math majors. In addition to Alison Wellings, this year's winner, Ashleigh Enlow and DeVita Lane were previous winners of the award.