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

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## Section Calendar

August 4-6, 2005	MathFest, Albuquerque, NM
November 10-13, 2005	AMATYC Annual Meeting, San Diego, CA
January 12-15, 2006	MAA/AMS Annual Meeting, San Antonio, TX
<b>March 31-April 1, 2006</b>	<b>Southeastern Section MAA, Joint Meeting with SIAM SEAS, Auburn, AL</b>
April 26-29, 2006	NCTM Annual Meeting, Kansas City, MO
August 10-12, 2006	MathFest, Knoxville, TN
November 2-5, 2006	AMATYC Annual Meeting, Cincinnati, OH
January 4-7, 2007	MAA/AMS Annual Meeting, New Orleans, LA
<b>March 16 –17, 2007</b>	<b>Southeastern Section MAA, Statesboro, GA</b>
March 21-24, 2007	NCTM Annual Meeting, Atlanta, GA
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
January 6-9, 2010	MAA/AMS Annual Meeting, San Francisco, CA
January 5-9, 2011	MAA/AMS Annual Meeting, New Orleans, LA



## From the Chair

It was great to see so many of you at the recent meeting on Meredith College's campus!

One of the things that I cherish about the sectional meeting is the chance to catch up with friends and to be revitalized with conversations about best teaching practices and successes inside and outside of the classroom. Speaking of the latter, the Jeopardy tournament once again drew a record number of undergraduate participants from sixteen institutions across the southeastern region and the room where the final round was held Saturday morning was overflowing with spectators. Congratulations go to the University of Tennessee for its first place finish and we thank Mike Berry of SIAM and UT-Knoxville and John Harris of Furman University for the organization of this wonderfully popular and successful event!

Local arrangements coordinator Jennifer Hontz and her Meredith College colleagues deserve a hearty round of applause for organizing and hosting a delightful meeting; each of them seemed to anticipate our needs, a feat indeed! The Exploris Museum in downtown Raleigh served as a perfect place to greet friends at the reception and banquet. If you missed the Space Station 3D I-Max Film, you missed an amazing view of our own world from two hundred miles high!

I want to offer a special word of thanks to Tom Barr, our new Program Chair, for his organization of an outstanding program, full of sessions of contributed papers and panels as well as a number of special sessions on calculus, mathematics education, mathematical modeling and teaching statistics. Tom's enthusiasm about his new position is contagious; he is eager to talk about topics for special sessions or short courses. If you have suggestions, please forward them to him.

Mark your calendar for our next spring meeting, March 31 – April 1, 2006, at Auburn University. The site coordinator Narendra Govil is already working hard to prepare our next meeting, which is a joint meeting with the Southeastern Atlantic Section of the Society of Industrial and Applied Mathematics. Some of you may recall the well-attended joint meeting with SIAM at Clemson two years ago and we anticipate another successful cooperative effort with them next year. Looking ahead to 2007, our 86th annual meeting will be at Georgia Southern University on the weekend of March 16-17.

In other news about the region, I want to acknowledge the many Mathematics Undergraduate Research Conferences taking place across the region this spring with funding from the MAA NSF-RUMC program; these conferences

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## **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.

**David Anderson** is the 2005-2006 Section Lecturer. He is available for the next two academic years. Contact him at [anderson@math.utk.edu](mailto:anderson@math.utk.edu). Possible talks include:

- Rings and their graphs (A\*)
- Nonunique factorization (A)
- The quaternions (or, how many solutions does a polynomial equation have?) (E, I, or A)

**Bob Fray** of Furman University was the 2004-2005 Section Lecturer. He is still available for the 2005-2006 academic year. Contact him at [bob.fray@furman.edu](mailto:bob.fray@furman.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!**



## From the Governor

Once again, I am discovering how hard it is to write a report for the Spring Newsletter. There is so much I want to say about the Spring Section Meeting that I have to restrain myself to be sure that I actually say something about what is going on at the national level. It would be all too easy to devote my entire report to the Section Meeting.

However, I cannot resist one paragraph about the Spring Meeting at Meredith College. First and most importantly, I need to thank our wonderful hosts. The entire department at Meredith pitched in to ensure that the meeting went smoothly and that we all had a great time. They were completely successful. The facilities we enjoyed were superb. In particular, Meredith got to show off its new Science and Mathematics Building, which is, simply put, a gem, and many of the plenary sessions were held in the distinguished Jones Auditorium. One highlight of the meeting was the Friday evening social event. We met at the Exploris World Museum for a barbecue dinner followed by a 3-D IMAX movie; both were outstanding. Finally, special thanks are due to Dan Teague who organized three workshops for secondary teachers on Saturday afternoon. [Look for more about Dan's good works later in this report.]

Moving from the section level to the national level, I will mention some of the things I learned at the Board of Governor's meeting in Atlanta back in January. The Board of Governor's recognized with both reluctance and gratitude President Ron Graham whose tenure in office ended in January. Ron was an extraordinary president and his contributions to the MAA are far too many to list here. The incoming president, Carl Cowen has (the proverbial) big shoes to fill, but it is good for both him and the MAA that Ron will continue as Past President for another year. I am excited to report that Ron Graham will be on the Davidson campus next fall as the 2005 Bernard Lecturer. He will speak on Sunday, 4 September, and I cordially invite everyone reading this report to attend. Feel free to contact me for details if you are interested.

During his report, Ron mentioned that the officers of the MAA are always on the lookout for suggestions for committee members. This is no surprise since the MAA has a LOT of committees. I was too lazy to count them all, but you can find a complete list at <http://www.maa.org/Aboutmaa/commlist.html>. Ron did note that the Committee on Committees (not a joke!) had dissolved a committee. However, he went on to recommend that a new committee, the MAA-NCTM Joint Committee on Mutual Concerns, be established. This committee would deal with issues like placement in college courses, AP courses, the teaching of calculus in high school and teacher education. The Board approved the creation of the committee.

During John Kenelly's Treasurer's Report the Governors learned that the new financial team at the national office is continuing to do a fine job. A number of major initiatives are underway including a project to institute a cash management system. Jim Daniel, who heads the Budget Committee, followed John and noted that both expenditures and revenues for 2004 looked very good, relative to the budgeted amounts.

Jim recommended and the Board approved a dues increase of 3 per cent for 2006, another modest increase. Jim reported that the underlying philosophy for MAA dues was under study. In particular, he noted that by some measure dues cover only about half of the costs of member support and the journals. He mentioned three areas that needed consideration: (1) Should the special dues categories for retired members be continued? (2) Should a third income category be added to the two we already use? (3) Should Horizons be included as a journal? (I was a little surprised to learn that it was not.)

Joan Leitzel, who is Chair of the Planning Design Committee, reported that the Executive Committee has adopted a Vision Statement for the MAA. This requires the MAA to set up an ongoing planning process. During the first phase, which will last twelve to eighteen months, the MAA will review three areas: (1) professional development, (2) revenue and (3) the American Mathematical Competitions. Other areas that will be subject to subsequent review are: memberships, books, Web resources, development, and journals. The plan is that over a five-year period, every aspect of the MAA would be examined and then the process would start again. [Those twenty-five or so of us who were at the Liaison's Luncheon at the Section Meeting were lucky enough to get a direct report on the planning process from Tina Straley, the Executive Director of the MAA.]

During Tina's report at the Board of Governor's meeting, we learned that Project ACCESS is off and running at the national meeting. There were 120 applicants for thirty spots in the initial national class. We also learned that the national office is happy to serve as co-principal investigator with members on projects. Tina noted that there are advantages to both the MAA and the member in such arrangements.

Following Tina's report, Don Albers reported on the MAA's publishing program and had some good news for the Board. Book revenues for 2004 set a new record. Perhaps surprisingly, textbooks now constitute over forty percent of book sales, and sales of MAA books on Amazon.com exceeded \$200,000 in 2004. One MAA textbook will even come out in a Spanish language edition soon. Don called attention to several new and upcoming books. One of the most exciting, for Martin Gardner fans at least, is a collection on CD of all of his Scientific American columns. Jim Gandalf reported that MAA membership would exceed 26,000 in 2005.

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## Spring Executive Committee Meeting

The Executive Committee of the MAA's Southeastern Section met in the Brownstone Inn in Raleigh, NC, on Thursday, March 10, 2005 at 7:30 p.m. after having dinner with the new Section Project NExT fellows. After introductions were made, Chair Stephen Davis began the meeting by allowing the

meeting organizers from Meredith College and the Program Chair to give a preview of the meeting. Some of the highlights included having four companies (Progress Energy, SAS, RBC, Red Hat) participate in a Career Fair along with the nine graduate programs present for TA Rush. Tom Barr, our Program Chair, discussed how the program was developed. Instead of mailing out a "Program Light" this year, an e-mail message went out to Section membership that gave a link to the meeting program.

The group next heard reports from the officers. Stephen Davis announced that Charlotte Knotts-Zides will be assuming the duties of Chair after the meeting, including writing the Chair's report for the upcoming newsletter. He also pointed out that the section will review our By-Laws this year. As Chair-Elect, Charlotte Knotts-Zides informed the committee that this year's new Section Project NExT fellows bring a great deal of diversity to the Section. They were also joined for their afternoon meetings by several national Project ACCESS fellows. She also pointed out that the section will have a Polya lecturer in 2007 when the Section Meeting is held in Georgia. Secretary-Treasurer, Martha Abell, passed out copies of the minutes from the Fall 2004 Executive Committee Meeting, which were reviewed electronically in the fall. She also had a handout that compared revenues and expenses for the past two years.

Virginia Watson, our Newsletter Editor, distributed information on newsletter costs and ad income since Fall 2000. It currently costs \$1.05 to publish each newsletter. She also asked the group for suggestions for articles in upcoming newsletters and received a suggestion to write a report with a photo on the establishment of the Section Archives at the Georgia Tech Library. Virginia will also plan to include the award citations and written responses for the Section Teaching and Service Awards. Program Chair Tom Barr discussed next year's meeting, March 31-April 1, 2006, at Auburn University, which will be a joint meeting with the Southeastern Atlantic Section of SIAM. Representatives from Auburn, MAA-SE and SIAM-SEAS will meet before the Fall Executive Committee to discuss various elements of the meeting. Tom asked for suggestions for speakers, short courses, and special sessions and received several good ideas, including a session on the successful use of Undergraduate Research in the curriculum. He also asked about having prizes for undergraduate/graduate student papers and poster presentations to be more

like SIAM-SEAS. Establishing an endowment or seeking funding from industry were given as possible ideas to support the awards. Our Section Lecturer, Jeff Knisley, reported that he has given 12-13 presentations around the Section over the past two years. It was also suggested that an endowment be established to support the travel of the Section Lecturer.

The State Directors then reported on the state dinners. Rob Harger (NC) told of the successful meeting held at Catawba College, November 16, 2004, at which Julie Barnes of Western Carolina spoke. Bruce Atkinson (AL) reported that their State Dinner was held February 11, 2005, at Troy University's Dothan campus where Doug Hardin of Vanderbilt University spoke on the topic of minimal energy that was featured in a recent *Notices* article. Curtis Herink (GA) announced that the Georgia State Dinner will be held at Mercer University on April 15, 2005, in connection with their Undergraduate Research in Mathematics Conference. De Witt Sumners of Florida State University will be the guest speaker. John Harris (SC) reported that South Carolina had a successful meeting at USC-Beaufort where Jack Brown of Auburn University served as speaker. Finally, Gary Hall (TN) announced that their state dinner will be held at Lipscomb University on April 8, 2005. Bruce Kessler of Western Kentucky will be the guest speaker and will speak on the topic of Wavelets. The group then discussed several issues of concern for the state directors, including using e-mail (exclusively) to make announcements of State Dinners, using the section website to place announcements and determining if the section (or national office) should have liaisons at technical schools and/or high schools.

The committee then heard a report from the Section Historian, Joe Albree, who gave a summary of the establishment of the Section Archives (The Southeastern Section of the MAA Records: The John Neff Collection) at the Georgia Tech Library. Some items that he would like to have for the collection include: a c.v. of each section officer, copies of all newsletters and section meeting programs, narratives on initiatives taken within the Section like Section Project NExT, TA Rush and Math Jeopardy, an oral history collection. Frank Farris, our guest speaker from the National Officers List, suggested that we read the article in the April issue of *Mathematics Magazine* on the history of the Philadelphia section to get ideas for the Southeastern Section archives.

Jeff Clark, the Section's webmaster, then gave some information concerning the section website. The committee commended him on a job well done and will investigate updating the Section By-laws to reflect more accurately the duties of the webmaster as well as a more definitive term of office.

The Executive Committee then heard reports from the Section Committees. First, the Nominations Committee announced the slate of officers: 2006 Section Lecturer - David Anderson (Univ. of Tennessee) and Tennessee State



Director - Jeff Knisley (East Tennessee State University). All other state directors have agreed to serve another one-year term. In addition, Martha Abell (Georgia Southern University) agreed to serve a second three-year term as Secretary-Treasurer and Virginia Parks (Georgia Perimeter-Clarkson University) agreed to serve a third year as Vice Chair of Two Year Colleges. Virginia Parks announced that the Site Selection Committee recommends that the 2007 Meeting be held at Georgia Southern University, March 16-17, 2007. The committee commended the faculty at Georgia Southern and Mercer University for the effort they placed in their applications to host the meeting and reported that the decision was a difficult one to make. The Nominations Committee sent messages to solicit nominations to forty-one department chairs in the state of Georgia. The NCTM meeting is March 21-24, 2007 so there is concern that its presence may affect the attendance at the regional meeting. Finally, Martha Abell reported that the Teaching Award Committee and Service Award Committee had made excellent selections this year. She also announced that Tina Straley, MAA Executive Director, will be on hand to assist in the awards ceremony.

John Kenelly, MAA Treasurer, reported that the national organization is in good shape financially, particularly in the area of grants. He also pointed out that Sections have a great opportunity to receive endowments, which the national office would manage on behalf of the Section. Information about endowments will be placed on the national MAA website.

The Section Project NExT Executive Committee (Charlotte Knotts-Zides, Rob Harger and Pat Humphrey) discussed the recent activities of Project NExT-SE. This spring, the group had 6 new fellows (from a total of 11 applications). They were joined in their Thursday afternoon activities by three national Project ACCESS fellows and many returning Project NExT participants. In all, there were 25 in attendance. The group is interested in seeking more funding to support the travel of new fellows. It was suggested that Section members be allowed to sponsor a Project NExT fellow at future section meetings. A line could be added to the registration form that allows for donations for this purpose. The Project NExT-SE Executive Committee was commended for their cooperative efforts with national Project ACCESS members.

The Executive Committee had several items to consider under New Business. The group discussed possible changes in the By-Laws to better describe the role of the Section Webmaster. Jeff Clark provided information from other section By-Laws to assist us in revising those for the Southeastern Section. It was suggested that a maximum be placed on the total length in service for the webmaster. The group suggested the webmaster be appointed by the Section Chair in consultation with the Executive Committee for a maximum of seven consecutive one-year terms of office. The webmaster would continue to be a non-voting member of the Executive Committee. It was also suggested that

Article III.6.j be amended as follows: *The Section Webmaster shall be responsible for maintaining a complete, accurate, and easy-to-use Section website. The Webmaster shall post on the Section website announcements of interest to Section members, Newsletters provided by the Newsletter editor, information about the governance of the Section, information about section colleges and universities, and any relevant archival material.* The Executive Committee also discussed the membership of the Section's Teaching Award and Service Award Committees, the composition of which does not appear in the By-Laws. The Executive Committee seems to agree that the Teaching Award Committee should be made up of the five State Directors and the three previous winners of the Teaching Award. However, the group is not pleased with the makeup of the Service Award Committee, which is currently made up of the two past governors, the two immediate past chairs, and a committee chair selected by the Chair. Ray Collings, the current Service Award Committee Chair pointed out that current members of the committee are prime candidates for the award, so committee replacements must typically be found after the nominations are submitted. It was suggested that a seven member committee be made up of the five previous Service Award winners with two additional members appointed by the Section Chair. The Section Chair will also appoint the chair of the committee. There was some discussion as to whether membership from each state in the section should be required. Revising the By-Laws requires that materials be submitted to the national office. The Executive Committee will discuss revisions again at the Fall Executive Committee Meeting and allow for input from the section membership before proceeding. The Executive Committee also heard from Joe Albree, who volunteered to draft a statement concerning contributions to the Section Archives. The group also discussed briefly candidates from the National Officers List for possible speakers at future section meetings. It was also mentioned that 2007 is the 300<sup>th</sup> birthday of Euler, which could serve as a theme for the 2007 section meeting. Charlotte Knotts-Zides announced that the Fall Executive Committee Meeting will be held at Wofford College, September 16-17, 2005. There being no other business, the meeting adjourned at 11:00 p.m.

**Martha Abell**

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

**Send comments or suggestions to**

**Jeff Clark, Elon University**  
**[clarkj@elon.edu](mailto:clarkj@elon.edu).**

**85<sup>th</sup> Annual Meeting  
Mathematical Association of America  
Southeastern Section**

**Auburn University  
Auburn, Alabama**

**Friday - Saturday, March 31 – April 1, 2006**

**joint with**

**30<sup>th</sup> Annual Meeting  
Society for Industrial and Applied Mathematics  
Southeastern Atlantic Section**

**Deadline for Special Session Organizers  
Monday, October 17, 2005**

**Deadline for Contributed Papers  
Friday, February 24, 2006**

**Contact Tom Barr, Program Chair  
[tombarr@rhodes.edu](mailto:tombarr@rhodes.edu)**

The members of the Southeastern Section of MAA look forward not only to being on the Auburn campus for the annual conference but also to the opportunity of meeting colleagues who are members of SIAM. Preliminary arrangements for the joint meeting are now under way, and we expect to have a stimulating program. The Section would like for the program to incorporate a wide range of topics of interest to faculty and students in two-year colleges, four-year colleges, regional universities, and research universities. Consequently, the MAA program chairperson and SIAM program committee would like to hear from members who wish to suggest topics for special sessions, individuals who could offer short courses, or individuals who may be general session speakers. Please send these suggestions to the Program Chair by **June 15, 2005** so that they can be included in discussions at a planning meeting later in June. A preliminary announcement of special sessions will appear in the Fall Newsletter.

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highlight the work of talented undergraduates and encourage these students to pursue mathematics at the graduate level.

With the successful completion of this spring meeting, Stephen Davis concludes his term as chair. The section has benefited greatly from his leadership over the past two years and we thank him for his dedicated service. As newly elected chair, I am eager to talk with as many of you as I can about the useful services that the Southeastern Section already provides and any additional improvements that could be implemented. Anyone traveling through the Upstate of South Carolina is welcome to stop by Wofford College and chat. I'm also heading to Mathfest August 4-6 in Albuquerque and look forward to seeing many of you there!

**Charlotte Knotts-Zides**

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Those of you with responsibility for departmental budgets may already know that institutional memberships will move from a calendar year basis to an academic year basis. The same is true for undergraduate student memberships. Jim's responsibilities at the national office include supervision of the renovation of the Carriage House into a Conference Center. The project is moving along, but slowly. The building has a historical designation and that puts extra levels of review, and hence delay, into the process. However, Jim believes that the building will be ready by fall of 2006. It should be a real showplace.

There is so much going on at the national level that I could probably come close to filling up the entire newsletter with this report. However, I do want to give a few final notes from the meeting. Allen Schwenk will take over the editorship of Mathematics Magazine from Frank Farris later this year. Frank Farris was one of the plenary speakers and did a fine job. Thanks in large measure to Dan Teague, there is now a ninth SIGMAA, i.e. special interest group of the MAA. The acronym for this one is SIGMAA-TAHSM, i.e. Teachers of Advanced High School Mathematics. I think that all of us who were involved in setting up this SIGMAA were surprised at how much work was involved, and special thanks are due to Dan for his willingness to do virtually all of it himself. [As an aside, you might be interested to know that there are over 5000 members in the nine SIGMAAs.] Don't forget that while this year's MathFest will be in far off Albuquerque, the 2006 MathFest will be in our own Knoxville, Tennessee.

Finally, I want to thank again each member of the Section for allowing me to serve as your Governor. It is a privilege to represent you. I hope that, if you have questions or concerns about this report or in general about what is, or is not, going on at the national MAA, you will let me know.

**Ben Klein**

## **Announcements**

### **Contribute to MAA-SE Student Activities**

The Southeastern Section supports student activities at its annual meeting through:

- TA Rush with student pizza lunch
- Undergraduate Student Poster Sessions
- Undergraduate Student Contributed Paper Sessions
- Reduced student registration fees
- Jeopardy Contest

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

Martha Abell, Secretary-Treasurer, MAA-SE  
Department of Mathematics  
Georgia Southern University  
Statesboro, GA 30460

### **Subscribe to Section Listserv**

An e-mail listserv 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](mailto:imailsrv@huntingdon.edu)

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

## W. Hugh Haynsworth Receives Section Distinguished Service Award



Hugh Haynsworth. Photo by Peter Frank Edwards.

*Ray Collings, chair of the Southeastern Section Service Award Committee, made the following remarks upon presenting the award at the March 11, 2005 Awards Presentation.*

Our 2005 Southeastern Section MAA Distinguished Service Award Winner truly exemplifies long-standing, quality service throughout a broad gambit of tasks to be done in the section. For fourteen years, he served as his department's MAA representative. He was then selected for the section's regional site selection committee, serving as its chair in his third year with that group. One of the sites selected was his own college, where he humbly served behind the scenes as co-organizer of the section meeting while being the section chair-elect. The section

continued to grow and prosper in his four years on the executive committee. He then humbly accepted a place on the ballot for section governor after completing the chair-elect- chair- past-chair cycle of offices. Little did he know then he would "lose" to the (future) 2004 Section Distinguished Service Awardee!

Our 2005 Awardee has been at his current college since 1970, after earning degrees in mathematics at Berry College (B.A.), University of South Florida (M.S.), and the University of Miami (Ph.D.). Working through all the ranks of professorship and administration, he diligently has kept active in both loves of mathematics and helping the entire college community. After service of mathematics chair, Interim Vice President of Academic Affairs, and Dean of Undergraduate Studies, our awardee is currently Dean of Graduate Studies and Professor of Mathematics at the College of Charleston (SC).

Please join me and the entire 2005 Service Award Selection Committee in congratulating W. Hugh Haynsworth, Southeastern Section of the Mathematical Association of America Distinguished Service Award Winner for 2005.

***Hugh Haynsworth was unable to make the presentation, however, he made the following response to the Section.***

Professor Ray Collings, Chair  
Section Service Award Committee  
Southeastern Section, MAA

Dear Ray,

What a surprise to learn that I am the 2005 recipient of the Southeastern Section Distinguished Service Award! It is an honor to receive this award, as there are so many contributing members of the section that deserve recognition. I deeply regret that I could not attend the section meeting this year to express my appreciation in person.

I am proud to be a member of the Southeastern Section and it has always been a pleasure to contribute to activities of the section and to mathematics education. The MAA Southeastern Section annual meeting that blends teaching, research and fellowship has been my favorite for many years. I look forward to the 2006 section meeting and to future opportunities to contribute to the biggest and arguably the best MAA section in the country.

Please accept my sincere thanks and gratitude for this recognition.

Sincerely,

Hugh

W. Hugh Haynsworth  
The Graduate School - College of Charleston  
Charleston, SC 29424

*(Editorial note: The call for nominations for the Distinguished Service Award appears in the Fall Newsletter.)*

## David R. Stone Recipient of Section Distinguished College or University Teaching Award



*MAA Executive Director Tina Straley and Sue Goodman, chair of the Section Teaching Award Committee, made the following remarks upon presenting the award at the March 11, 2005 Awards Presentation.*

*Tina Straley attended the meeting for the express purpose of announcing that her good friend David Stone had won the Teaching Award. Her remarks follow.*

The Mathematical Association of America recognizes the three areas in which college faculty contribute through its awards programs. We recognize scholarship through awards for writing books and journal articles. We recognize service through Section Service Awards and nationally by the Awards for Outstanding Service to a member of each section on a five year rotation and the highest award given by the MAA for service is the Gung-Hu Award. Excellence in teaching is recognized by the Sections and by the national organization with the Haimo awards. These awards are the most enjoyable of MAA programs. I appreciate being here today and given the opportunity to participate in the presentation of the 2005 Southeastern Section Award for Distinguished College or University Teaching to one of my closest friends and colleagues, David Stone of Georgia Southern University.

I am sure that you are all aware of David's contributions in service to the profession and how much he cares about our profession. David probably holds the record for continuous membership on the SE Section Executive Committee as Newsletter Editor, State Director for Georgia, Section Chair, and Governor. A few years back, David won the Section Service Award. David served on the MAA Board of Governors for many years as Governor representing the SE Section and as Chair of the Committee on Sections. He is one of the first names that comes up for special projects and committee assignments. He is currently Chair of the Liaisons Committee, one of our most important committees. Last year the MAA decided to embark on a new process of strategic planning. The Sectional Governors were asked to name a current or former Sectional Governor to represent sections on the Strategic Planning Steering Committee. I knew that David would be selected even before the Governors met and of course he was chosen. That is just an indication of the



high esteem for David held by all who have worked with him. However, the MAA is not the only beneficiary of David's service and leadership. He led the State Mathematics Coalition for many years and is still active in it, and he has been recognized for his service to GCTM.

David is a mathematician at heart and loves to work on problems. My friend, Dorothy Zinsmeister, who is now an Assistant Vice Chancellor at the Georgia Board of Regents, told me that she sat next to David at a recent meeting and he was doing math. She asked him what he was doing and he said he was working on a problem. David is always working on problems.

But what is not readily apparent to everyone who knows David is that his real passion is teaching. And he is very good at it. Whenever I have a conversation with David, no matter what it starts out about, by the end he is talking about his classes and often about something interesting that came up in one of them. David loves the combination of mathematics and teaching. That is why this award is particularly sweet and why I am so delighted to be given the opportunity to present it to David.

***Sue Goodman then made the following remarks in her citation.***

It is with great pleasure that I recognize David R. Stone's achievements leading to the SE-MAA Distinguished College or University Teaching Award. David received his undergraduate degree from Georgia Tech and his Ph.D. from the University of South Carolina. For the past 36 years, he has set a standard that few can match. His remarkable contributions to the teaching profession, public school systems and the professional community are so extensive that I can highlight only a few.

At Georgia Southern, David has been recognized for his excellence in teaching with the Professor of the Year Award in 2001 and the Award for Excellence in Contributions to Instruction in 1988. He teaches a broad array of courses from College Algebra to History of Mathematics. He established and has taught for many years a mathematics course for Honors students. He has worked with students in the MAA Student Chapter for many years and has counseled and encouraged students in a myriad of ways. He has mentored junior faculty across the country as a member of the Project NExT Advisory Board and as organizer of Project SE-NExT.

David has worked with local schools, coaching math teams for tournaments, served on the Organizing Committee and as State Director of the Georgia Partnership for Excellence in Education, participated in the Georgia Council of Teachers of Mathematics and the Georgia Mathematical Association of Two Year Colleges, and has served as Vice-President of the National Alliance of State Science and Mathematics Coalitions. His outreach efforts have been recognized by several granting agencies, and in 1993 he received the Gladys

M. Thompson Award for Distinguished Service for his many contributions to P-12 education in the State of Georgia.

He has been Chair of the MAA Committee on Sections and member of the Board of Governors and Executive Committee. In the Southeastern Section he has served as Governor, Chair and Newsletter Editor. His exceptional service to the MAA was recognized by the Section's Distinguished Service Award in 1998.

I'd like to quote a couple of past students of David's who speak so eloquently of his extraordinary abilities in teaching.

"Having been asked to write a letter of recommendation for Dr. David Stone I find myself overwhelmed with excitement, for my story is not one that you hear about everyday. Throughout my career as a student only one subject could bring tears to my eyes and fear into my heart, and that was mathematics. From early on, the subject completely mystified me and for some reason no matter how hard I tried I seemed to always be confused. Shortly after registering at Georgia Southern University, I decided a career in computer science would be very enjoyable for me, until I discovered the series of math classes I was going to have to take. I was horrified at the thought of taking several semesters filled with math but I decided I would just have to do it. Somehow my first few semesters weren't so bad and I found myself making A's in my math classes and not hating them even though my severe anxiety showed its ugly face at every test. Then I registered for Calculus III with Dr. David Stone, a legacy in the math department at Georgia Southern University. I heard stories about how challenging the tests were going to be and how difficult the subject was but somehow even the students whose grades weren't so good seemed to have taken something away from the class that I couldn't quite pinpoint. Little did I know my life was about to completely change.

Each day I rushed across campus to make it to class on time, and to get a good seat at the front of the classroom I found myself utterly amazed with my professor. Dr. Stone would always walk into class and begin the lecture with what seemed like small talk, but somehow within five minutes every student was enthralled in the discussion and to our surprise, it always turned out to be three-dimensional Calculus. No words can describe the atmosphere in one of Dr. Stone's classrooms but if you could be a fly on the wall you would never want the class to end and yes let's not forget a math class. I will forever believe that Dr. Stone is by far the greatest professor, of any subject, that I have ever had. He has the ability to capture the attention of his students and lead them gently through the mathematical expanse that lay before them, not forcing the information into their heads, but guiding them along the path to mathematical maturity. The last day of class I walked to the registrar's office and changed my major to mathematics."

This was written by a student who continued working with David to do an Honors project in number theory, winning second place at the regional MAA meeting in 2003, and is now doing graduate work at the University of South Florida.

Another, from a student who has since completed her Education Specialist Degree in Mathematics Education and is teaching in the Georgia public schools.

“Dr. Stone is a very challenging teacher. He definitely takes thinking to the next level. He always answered my question with a question and made me think about concepts more in depth. His enthusiasm for mathematics was just phenomenal whether he was lecturing during class or carrying on a conversation outside of class. Dr. Stone is a person that gets you excited about what you are learning and knows that one is capable of thinking at the next level. Now that I look back and have taken many methods courses in Education, Dr. Stone's teaching methods were just superb. . . . Due to the fact that he made me work so hard, I felt like I was able to take a lot away from each course. I felt as though I just was not memorizing concepts. I really learned what was taught. . . . As a result of taking his courses, I feel like I have brought a lot of his knowledge into my own classroom.”

***David Stone's response to the section follows.***

We all get into this business of teaching mathematics because we like mathematics and we love sharing it with others. Then we discover how much we like to work with students – we like to see the excitement and interest and the thrill of victory when a solution is found. We love to see students grow and mature, personally and mathematically, then go out into the world and do great things. We hate grading papers, but we endure that dreary task and even try to make the results a part of the teaching process – kids who have labored over homework problems come to class primed for what's next (or primed for a fight, if the assignment was “too much”). A mathematician never runs out of neat problems to think about, all the while realizing that the subject will eventually humble anybody -- passing these experiences on to the next generation is the best job in the world.

To be recognized for doing what I love by my mathematical family -- the Southeastern Section -- is the maximum reward. I want to thank the Section and the members of the Committee for this honor. I have had many teachers who helped and guided and inspired me, but I would like to give special thanks to Ed Enochs, my major professor, and to Coach Ensminger of Hot Springs High School (who was more successful as a math teacher than as a football coach). Thanks also to my friend and colleague and now Department Chair, Martha Abell, who prepared the nominations package, and to generations of Georgia Southern faculty and students, from whom I have learned much.

## **CALL FOR NOMINATIONS**

### **for the 2006 Award for Distinguished College or University Teaching of Mathematics**

Nominations for the 2006 Southeastern Section Award for Distinguished College or University Teaching of Mathematics are now being accepted. The Southeastern Section selection committee will choose the winner of this award from the pool of nominees, and the winner will be honored at the Spring 2006 meeting of the Section. The winner will also be widely recognized and acknowledged within the Section and will be the Section's official candidate for one of the three Deborah and Franklin Tepper Haimo Awards for Distinguished College or University Teaching of Mathematics that will be presented in January, 2007.

Nomination materials and a description of the complete nomination packet are included in this Newsletter. Each member of the Section is encouraged to consider submitting a nomination to Ron Harshbarger, chair of the selection committee. If you wish to nominate someone, please submit a complete nomination packet by **October 31, 2005**.

Nomination packets for persons nominated for the 2005 award may be carried forward for consideration for the 2006 award, if the nominator so desires. The selection committee will contact nominators to determine whether they wish to submit a revised nomination to the selection committee.

#### **Previous Teaching Award Recipients**

The section has presented the Award for Distinguished College or University Teaching of Mathematics each year since 1992. The recipient list is:

1992	Anne Hudson, Armstrong State University
1993	Robert Bryant, Duke University
1994	John Neff, Georgia Institute of Technology
1995	Sylvia Bozeman, Spelman College
1996	Carl Pomerance, University of Georgia
1997	Harold Reiter, Univ. of North Carolina at Charlotte
1998	Joel Brawley, Clemson University
1999	Ben Klein, Davidson College
2000	Theodore Shifrin, University of Georgia
2001	Johnny Henderson, Auburn University
2002	Ron Harshbarger, University of South Carolina, Beaufort
2003	Sue E. Goodman, University of North Carolina, Chapel Hill
2004	Jeff Knisley, East Tennessee State University
2005	David Stone, Georgia Southern University

**Awards for  
Distinguished College or University Teaching of Mathematics  
Nomination Form**

Please type.

Nominee's Name (first name first): \_\_\_\_\_

College or University Affiliation: \_\_\_\_\_

College or University Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Nominee's number of years teaching experience in a mathematical science: \_\_\_\_\_

Has the nominee taught at least half time in a mathematical science during the current academic year or during the previous year if on approved leave or sabbatical? \_\_\_\_\_

In the space below, please describe briefly the unusual personal and professional qualities of the nominee that contribute to his or her extraordinary teaching success.

Name of nominator (first name first): \_\_\_\_\_

Address of nominator: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Nominator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Eligibility Requirements and Guidelines

### Each nominee

- 1 – must be a teacher of mathematical sciences at a public or private college or university in the US or Canada (including two year colleges) whose assignment during the current academic year is at least half time. (Teachers on approved sabbatical leaves are also eligible provided they met this requirement during the previous academic year.)
- 2 – must have at least five years of teaching experience in a mathematical science.
- 3 – must be an active member of the Mathematical Association of America.
- 4 – should be widely recognized for extraordinary successes in teaching\*.
- 5 – should have fostered curiosity and generated excitement for mathematics in students and possess teaching effectiveness which can be documented.
- 6 – should have had influence beyond their own institutions\*\*.

### The Nomination Packet -- A completed nomination packet should consist only of the following material:

- 1 – a completed nomination form (on the back of this page).
- 2 – a narrative of at most five pages\*\*\* that describes the nominee's background, experience, teaching style, involvement in the MAA and/or other organizations concerned with college teaching, and other special contributions and appropriate information not on the nomination form.
- 3 – at most three additional pages\*\*\* documenting extraordinary teaching; e.g. summaries of peer or student teaching evaluations (with explanations), successes in increasing mathematics majors or successes with masters or doctoral students, involvement in successful student competitions, campus teaching awards, etc.
- 4 – a maximum of five letters of recommendation, each limited to one page, with at least two letters from present or former students and at least two letters from colleagues, one of whom may be the department chair.

Please take the time to assemble the dossier in a thoughtful manner so as to make as strong a case as possible. Please adhere closely to the guidelines given above and include the items that are requested. If you are resubmitting a previous nomination, please be sure that it has been updated, rewritten as is necessary, and that some recent letters have been included.

The winner of the Southeastern Section Award will be the Section's nominee for the national Haimo Award, and since the winner's nomination packet will be forwarded to MAA headquarters, each packet should be as complete as possible. However, a curriculum vitae should not be submitted since all relevant teaching information will be contained in the documents mentioned above.

\* "teaching" is to be interpreted in its broadest sense and is not necessarily limited to the classroom.

\*\* "influence beyond an institution" can take many forms; e.g. demonstrated impact on alumni, influence on the profession through curriculum development/revisions, influential, innovative books, etc.

\*\*\* each of these pages should be typewritten and double-spaced on a single side of standard 8.5x11 paper in no less than 12 point pica.

### The Procedure

Send a complete packet by October 31, 2005 to the chair of the selection committee:

Sue Goodman, Department of Mathematics, University of North Carolina,  
Mathematics Department, CB#3250, Chapel Hill, NC 27599 seg@email.unc.edu



## Department of Mathematics

### Graduate Programs

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

### The Department

The research of our 31 faculty members represent most areas in pure and applied mathematics. The Department includes *The Institute for Constructive Mathematics* which performs applied research for government and industry. Two international journals have their editorial base at our department: *Abstract and Applied Analysis* and *Journal of Theoretical Probability*.

### Financial Assistance

A limited number of University Graduate Fellowships of minimum \$10,000 for 9 months are available for **new students** starting Fall 2005. They carry a tuition waiver and no service for the department is required. Funds can be supplemented with a partial Teaching Assistantship. Teaching Assistantships with minimum of \$12,000 for 9 months with tuition waiver are available. Students holding these awards perform instructional duties for the Department. Summer Teaching Assistantships are also available. A limited number of students are awarded Tharpe Scholarships in addition to their Teaching Assistantship or Graduate Fellowship. These awards range from \$1,000 to \$5,000.

### The University and Tampa

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

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

# 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 2005-2006 academic year these assistantships will pay at least \$10,260 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](http://www.math.ua.edu) or contact:

Prof. Martin J. Evans, Graduate Program Director  
Department of Mathematics  
University of Alabama

Telephone: (205) 348-5301  
E-mail: [mevans@gp.as.ua.edu](mailto:mevans@gp.as.ua.edu)  
Fax: (205) 348-7067



## Section Meeting March 11-12, 2005 Raleigh



The Science and Mathematics Building.

The cold, rainy weather did not dampen the warm spirit at the 84th meeting at Meredith College. The generous hospitality of local arrangements chair Jennifer Hontz and the entire Meredith faculty and students will be remembered for a long time. As I overheard one person say, when someone gives you her cell phone number you know she means business. The new Science and Mathematics building was an excellent facility. And there was a beautiful Penrose Tiling in the atrium of the building.

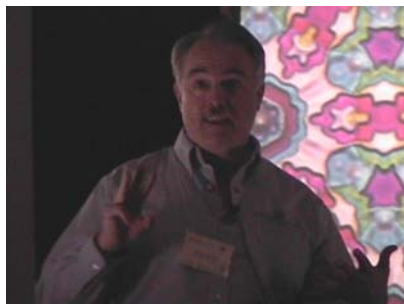
As is usual, Project NExT met on Thursday afternoon and Friday morning. Please see the following article for details of their meeting. The NExTers joined the Executive Committee for dinner and afterwards some joined the Math Murder Mystery. This fun evening event for attendees was courtesy of Western Carolina University and Meredith College faculty and students (an account of this follows).

Four short courses took place on Friday morning: *Web Search and Information Retrieval*, Carl Meyer, North Carolina State University, and Amy Langville College of Charleston; *Geometry and the Calculus of Variations*, Robert Bryant, Duke University; *Some Deterministic Models in Mathematical Biology*, James Selgrade, North Carolina State University, Cammey Cole, Meredith College, and Huseyin Kocak, University of Miami; and *Writing to Learn Mathematics—no Grading Required*, Mary Kay Abbey and Bette Daudu, Montgomery College.

Those who attended the short courses missed the initial Jeopardy rounds. This year 16 teams participated (see program for list of teams with members and sponsors). The final four were Furman University, Georgia Southern University, Samford University and the University of Tennessee. A 7:30 am Business Meeting meant that it did not conflict with Final Jeopardy as it had last year. So members went immediately to the game to see the University of Tennessee win.

Another popular activity for students is TA Rush. In addition to graduate schools there were four companies participating. The SAS table was inundated with students the entire time.

There were four excellent invited talks this year. Frank Farris discussed *Forbidden Symmetry—Relaxing the Crystallographic Restriction*. He showed



Frank Farris and some wallpaper.

beautiful wallpapers and some with symmetry that theoretically cannot exist. How did he do it? He used situations where it was very close (within epsilon) of being symmetric and he did a little cutting and pasting! Robert Fray, the Section Lecturer, presented *Mathematics and Endangered Species* where he discussed his work with environmental models of endangered species through the years. Jeff Knisley presented his own guiding principles for teaching in *Multi-*

*state Mathematics Instruction*. Finally, Doris Schattschneider discussed *The Interplay of Local and Global Symmetry*. This talk presented tilings which she sees everywhere including brick walls and sidewalks. She hoped we would now look at these brick patterns with greater interest.

The Awards Presentation took place Friday afternoon before Robert Fray's talk. The Southeastern Section Award for Outstanding Service went to Hugh Haynsworth. Tina Straley, Executive Director for the MAA and former Southeastern Section member, came to the meeting especially to announce David Stone as the Section Award for Distinguished College or University Teaching of Mathematics. The citations and responses for these awards are printed elsewhere in the newsletter.

Tina Straley also addressed the Department Chair's Meeting and the Liaison's Lunch on Saturday. She talked about the numerous projects going on at the MAA and listened to suggestions by members.

The Friday evening social took place at the Exploris Museum. Unexpectedly, the entire museum was open for exploring. Then we had a dinner buffet of Eastern North Carolina Bar-B-Q. To end the evening people could attend a 3-D IMAX movie called Space Station 3D.

A special session occurred on Saturday afternoon. It consisted of three concurrent workshops aimed at Teachers of Advanced High School Mathematics occurred. The workshops were *Mathematical Modeling in AP Calculus* given by Dan Teague of the North Carolina School of Science and Mathematics, *An Introduction to Bayesian Data Modeling* given by Floyd Bullard of Duke University and North Carolina School of Science and

Mathematics, and *Math Team Coaching, Math Clubs, and Math Contests* given by Jane Barnett of Scotland High School, Archie Benton of North Buncombe High School, Garrett Mitchener of Duke University and Susan Schaeffer of Charlotte Mathematics Club.



Additional picture of the meeting appear at the end of the newsletter in Dan Teague presents his workshop . Scenes from the Meeting.

**Virginia Watson**

## Project NExT-SE Meets

The Southeastern Section Project NExT group welcomed six new members in Raleigh on Thursday afternoon. They are: Luis Cueva-Parra (Auburn University at Montgomery), Doug Daniel (Presbyterian College), Sylvia DeMaio (High Point University), Maria Siopsis (Maryville College), Neal Smith (Augusta State University), and Barbara Tankersley (North Carolina A & T). In addition, we were joined by two members of Project ACCCESS: Nikki Grantham (Dalton College) and Jamey Spratt (Isothermal Community College). The sessions were well attended with over 25 people both Thursday afternoon and Friday morning.

As usual, we had presentations on several Neat Teaching Ideas (Jose Sanqui – Using Math Jeopardy in Class, Vicky Williams – Proof Contests, Bill Yankovsky – Using a Guitar to Introduce Functions of More than one Variable, Pat Humphrey – Visualizing Volumes of Revolution using Eggs, Tom Fitzkee – Maple Projects for Calculus, Martha Allen – Turning the Selection of Cooperative Learning Groups into a Mathematical Exercise, and Susan Simmons – Simple Random Sample Demonstration).

We also had several panel and group discussions: Just Say Yes/When to Say No (Vicky Williams, Sam Kaplan, Jennifer Hontz, Julie Barnes); Balancing Teaching, Research, Service and Life (Sam Kaplan, Rob Harger, Jennifer Hontz); Teaching with Technology; and What Did/Do We Want to Know About the first few Years.

The Section NExT organizers thank all our participants, and eagerly look for ideas for next year's session at Auburn.

Section NExT is a professional development group for new Ph.D.s who have recently been hired at institutions in the Southeastern Section. Project ACCESS is a joint effort of the MAA and AMATYC for professional development of new faculty at two-year colleges. Further information is available at the website <http://math.highpoint.edu/NExT-SE/> or by contacting the organizers.

Pat Humphrey ([phumphrey@georgiasouthern.edu](mailto:phumphrey@georgiasouthern.edu))

Rob Harger ([rharger@highpoint.edu](mailto:rharger@highpoint.edu))

Julie Barnes ([jbarnes@email.wcu.edu](mailto:jbarnes@email.wcu.edu))

Charlotte Knotts-Zides ([knottszidesca@wofford.edu](mailto:knottszidesca@wofford.edu))

**Pat Humphrey, Georgia Southern University**

## **Math Murder Mystery**

On March 10, the evening before the Southeast Section MAA meeting, Project NExT fellows and students from at least twelve different colleges and universities gathered together to solve a Math Murder Mystery. Dr. Body, a factitious professor who had been denied tenure at Berry University and consequently traveled from school to school taking several one year positions, had been found dead at Meredith College. Since he had offended many people over the years, all the participants were suspect. To solve the crime, participants traveled in groups to several locations around Meredith, solved a wide variety of mathematical problems, and obtained clues. Participants also learned a little about Meredith traditions in the process. One clue, for example, had participants looking at the cases where each graduating class at Meredith displays a doll that is representative of their class. In the end, it was discovered that two student participants claimed to have written an amazing four line proof of Fermat's Last Theorem, Dr. Body had stolen their idea from them, and the two students killed him on the stairs leading the telescope on the roof.

One of the most enjoyable things about the evening was being able to interact with students and faculty from other places. Each detective team was made up of people from different locations, and many of these team members were seen doing things together throughout the rest of the conference. It was a great way to break the ice.

The mystery was organized by several students and faculty members from both Meredith College and Western Carolina University. We are hoping to have another pre-conference activity for students, advisors, and NExT fellows at the 2006 Southeast Section MAA meeting.

**Julie Barnes, Western Carolina University**

## Section Business Meeting March 12, 2005

The Business Meeting of the MAA Southeastern Section was called to order at 7:30 a.m. on Saturday, March 12, 2005. Stephen Davis began the meeting by thanking Meredith College for their hospitality and well-organized meeting. He reported that there were approximately 400 registrants, a number that could increase with the high school teachers attending the Saturday sessions. He reminded the group that Jennifer Hontz of Meredith College will rotate onto the Site Selection Committee this year. Ben Klein, the Section Governor, reported that Carl Cowen, currently the President-Elect of the MAA, will succeed Ron Graham in the office of President. He also reported that the MAA is doing well, buildings are being renovated, finances are solid (thanks to the help of Treasurer John Kenelly) and the publication program is thriving. In addition, he spotlighted the new MAA Special Interest Group (SIGMAA), *TAHSM* (Teachers of Advanced High School Mathematics), a creation of our section's Dan Teague of the North Carolina School for Math and Science. A session is being held at the Section Meeting this year for high school teachers. Newsletter Editor Virginia Watson gave a summary of the costs for producing the newsletter and reported that the Spring Newsletter will contain an article about the new Section Archives at Georgia Tech. Stephen Davis reported for the Secretary/Treasurer, showing a chart of the Section Revenues/Expenses for the last two years. He noted that the balance is slightly higher now thanks in part to the revenue generated by the 2004 Section Meeting at Austin Peay State University. He also shared several resolutions, which were passed by acclamation.

**Resolution #1:** The Southeastern Section of the Mathematical Association of America expresses warm appreciation to the faculty and staff of the Department of Mathematics and Computer Science at Meredith College, and to the administration of Meredith College, for providing excellent facilities for the 84<sup>th</sup> annual meeting. We have been the beneficiaries of their hard work, extraordinary efforts, gracious hospitality and helpfulness in attention to many details that such a meeting involves. We mention in particular the contributions of the following individuals.

*Meredith College*

Organizers: Tim Hendrix and Jennifer Hontz

Key Department Members: Jackie Dietz, Paul Schuette, Kristin Watkins

This conference would not have been possible without the administrative support of Virginia Knight and Charles Davis

Staff Member: Nancy Borntrager

Student Worker: Ashley Daughtry

Student Volunteers: Michelle Scott and Carla Sorrell

Math Jeopardy Game

Mike Berry (UT-Knoxville),  
John Harris (Furman University),  
Michael Mossinghoff (Davidson College)

Poster Session on Undergraduate Research  
Tim Chartier (Davidson College)

**Resolution #2:** The Southeastern Section of the MAA expresses warm appreciation to the following companies for their informative and attractive displays presented at the 84<sup>th</sup> annual meeting:

Key Curriculum Press  
JMP  
Pearson Learning  
WebAssign  
Prentice Hall

We also thank these companies for their generous financial support, enabling the refreshments that contributed greatly to the success and enjoyment of the meeting.

We would also like to thank MacKichan Software Inc., who donated a copy of *Scientific Workplace* for us to raffle.

We would also like to thank the following companies for their participation in the Career Fair:

Red Hat  
Progress Energy  
SAS  
RBC Centura

**Resolution #3:** The Southeastern Section of the MAA expresses its gratitude to the presenters of short courses at the 84<sup>th</sup> annual meeting:

*Web Search and Information Retrieval*, Carl Meyer, North Carolina State University, and Amy Langville College of Charleston

*Geometry and the Calculus of Variations*, Robert Bryant, Duke University

*Some Deterministic Models in Mathematical Biology*, James Selgrade, North Carolina State University, Cammey Cole, Meredith College, and Huseyin Kocak, University of Miami

*Writing to Learn Mathematics—no Grading Required*, Mary Kay Abbey and Bette Daudu, Montgomery College

We commend these individuals for their service to the Section through the presentation of these inviting and stimulating courses.

**Resolution #4:** The Southeastern Section of the MAA acknowledges with genuine appreciation the excellent and faithful leadership and dedicated hard work of those officers completing their terms of service:

Stephen Davis, *Chair*

Bob Fray, *Section Lecturer*

Gary Hall, *Tennessee State Director*

We anticipate with delight and pleasure their continued presence among us, as well as their valuable contributions to the Section in the future.

Todd Lee of the Nominations Committee presented the slate of officers. (See Minutes of the Executive Committee.) A motion was made and seconded to close the nominations. With no discussion, the slate was approved by acclamation. New members of the Executive Committee are Jeff Knisley (East Tennessee State University), State Director for Tennessee, and David Anderson (University of Tennessee), 2005 Section Lecturer.

Virginia Parks, Chair of the Site Selection Committee reported their recommendation to hold the 2007 Section Meeting at Georgia Southern University, March 16-17, 2007, in Statesboro, GA. The nomination was approved by acclamation.

Stephen Davis urged Section members to volunteer to assist with the American Mathematics Competitions (AMC). There are many ways to contribute, including grading and suggesting questions. He left forms for interested members at the MAA Book Table in the registration area.

Narendra Govil of Auburn University invited everyone to attend the 2006 Section Meeting at Auburn University, March 31-April 1, 2006 in Auburn, AL, where the Section will meet jointly with the Southeastern Atlantic Section of SIAM.

Joe Albee, Section Historian, reported on the new Section Archives at the library at Georgia Tech, called the *John Neff Collection*. He pointed out items that he would like for the collection, including c.v.'s of section officers, a complete set of Section Newsletters, and special items from Section institutions

(like the statements about emeritus faculty established at Clemson University). Joe would also like to cross-reference information with the MAA Archives in Austin, TX.

Ray Collings requested greetings from the national officers in attendance. Tina Straley, MAA Executive Director, reported that the national organization is doing well. She pointed out that the Southeastern Section Meeting is like a small national meeting based on the number of sessions. She also reported that membership is growing and suggested that members visit the MAA website, especially the digital library. She announced that a members-only site will be established in the near future. John Kenelly, MAA Treasurer, reported that the national organization is doing well financially, with \$7 million in the operating budget, \$7 million in grants in place, \$7 million in real estate, and \$7 million in endowments. He also encouraged the Section to pursue endowments to support Section activities.

With no other business, the meeting was adjourned at 8:05 a.m.

**Martha Abell**

## **Consider a Contribution**

**in support of**

### **MAA-SE Student Activities**

**Student activities in the section are growing!**

- **TA Rush with student pizza lunch**
- **Undergraduate Student Poster Sessions**
- **Undergraduate Student Contributed Paper Sessions**
- **Reduced student registration fees**
- **Jeopardy Contest**

**See page 13 for details**



## News from the States



**A**labama: Bruce Atkinson, State Director,  
Samford University, Birmingham Al  
35229.

email: [bwatkins@samford.edu](mailto:bwatkins@samford.edu)

On Friday evening, February 11, 2005, the annual Alabama MAA State Dinner took place at Troy University Dothan Campus. The speaker, Doug Hardin of Vanderbilt University, gave a very nice lecture entitled "Packings, Potentials, and Poppy Seeds", which was based on the feature article, co-authored with Ed Saff, which appeared in the November 2004 Notices of the American Mathematical Society. Sarah Patrick, Reiff Lafleur, and Bob Miller of Troy University Dothan Campus did a fine job of hosting the event by arranging for a delicious dinner followed by the lecture in the state-of-the-art Sony Hall in the Library Technology Building on their beautiful campus.

On Saturday, February 12, 2005, the Alabama Association of College Teachers of Mathematics held its annual meeting at the same location which featured a series of contributed talks as well as the invited Lewis-Parker lecture. Chris Rodgers of Auburn University was this year's Lewis-Parker lecturer. His very interesting talk was entitled "Discrete Math Today".



**G**eorgia: Curtis Herink, State Director,  
Mercer University, Macon, Georgia 31207  
email: [herink\\_cd@mercer.edu](mailto:herink_cd@mercer.edu).

The 2005 Georgia MAA State Dinner was held April 15 at Mercer University in Macon. Dr. De Witt Sumners, the Robert O. Lawson Distinguished Professor of Mathematics, Florida State University, spoke on "Calculating the secrets of life: Mathematics in biology and medicine". This year's dinner took place in conjunction with an undergraduate research conference at Mercer. More information about that conference appears below.

Spelman College hosted the Infinite Possibilities Conference on April 1-2 (<http://www.ipc2005.com>). This unique gathering was inspired in part by the legacy of Etta Z. Falconer, former Callaway Professor of Mathematics at Spelman, who was the 11th African American woman to obtain a Ph.D. in mathematics and who served Spelman College for over 35 years. The conference was co-organized by two former students of the late Dr. Falconer,

Leona Clark, Ph.D. and Tanya Henneman, Ph.D. It was the first conference to focus on the achievements and needs of women mathematicians from underrepresented minority groups. The keynote speaker was Evelyn Boyd Granville, the 2nd African American woman to obtain a Ph.D. in mathematics. The conference was preceded by the inaugural annual Etta Z. Falconer Mathematics Lecture, given by Lincoln University of Missouri President, Carolyn Mahoney, the 25th African American woman to earn a Ph.D. in mathematics. The conference closed with the Etta Z. Falconer Banquet, at which Dr. Falconer's life and accomplishments were highlighted. At the banquet the first Dr. Etta Z. Falconer Award for Mentoring and Commitment to Diversity was awarded, and the Etta Z. Falconer endowed Student Scholarship was initiated. Highlights from the three days of events can be found at <http://www.spelman.edu/academics/programs/mathematics/index.shtml>.

The first Biennial Mercer University Undergraduate Research in Mathematics Conference (MUURMaC), partially funded by MAA NSF-RUMC grant DMS-0241090, was held April 15-16. Attendees of the conference were able to participate in the Georgia MAA State Dinner, and Dr. Sumners, the speaker at the dinner, also presented a plenary lecture on "DNA Topology" at the conference. There were also fifteen-minute presentations by undergraduates and a problem-solving competition for teams of three. The meeting was organized by Dr. Phillip Bean, Dr. Jeff Denny, and Dr. Carolyn Yackel. More information is available at <http://www.mercer.edu/math/muurmac>.

Colm Mulcahy, department chair at Spelman College, recently initiated a bimonthly feature for MAA Online called Card Colm (<http://www.maa.org/news/cardcolm.html>), in which he explores mathematical card trick principles.

Congratulations to Dr. David Stone of Georgia Southern University, the recipient of this year's Distinguished Teaching Award from the Southeastern Section.



**N**orth Carolina: Rob Harger, State Director,  
High Point University, High Point, NC  
27262.  
e-mail: [rharger@linus.highpoint.edu](mailto:rharger@linus.highpoint.edu)

The North Carolina State Dinner was held on Tuesday evening, November 16. The speaker was Julie Barnes of Western Carolina University and the title of her talk was "A Non-Photogenic Julia Set: An Example of a Julia Set that is Everything". There were forty-five participants, including twenty students, gathered for a wonderful meal and enjoyable talk on the campus of Catawba College. Many thanks to the faculty at Catawba for organizing and hosting the dinner meeting.

There have been several conferences in North Carolina this spring, other than the sectional meeting, aimed at giving undergraduate students a venue to talk about their work. Some of these include: Smoky Mountain Undergraduate Research Conference on the History of Mathematics held at Western Carolina University on February 5, the Carolinas Mathematics Undergraduate Research Conference held at Davidson College on April 9, and the Tenth North Carolina Mini-Conference on Graph Theory, Combinatorics, and Computing held at Appalachian State University on April 15.



**South Carolina: John Harris, State Director,  
Furman University, Greenville, SC 29613  
email: john.harris@furman.edu.**

The South Carolina State Dinner was held on February 25th on the campus of USC Beaufort. The speaker was Jack Brown of Auburn University, and his talk was entitled "Mathematicians in Industry: Experiences of One High-Tech Migrant Worker."

Two Furman University students, Mary Hedges and Amanda Pascoe, participated last fall in the Budapest Semesters in Mathematics program. Two more Furman students, Angela Hicks and Lauren Hund, will participate in BSM in the Fall of 2005.

A team of three students from Midlands Technical College in Columbia SC became the only two year college to be designated as MERITORIOUS winners in the 2005 Mathematical Contest in Modeling (MCM). The team members are Elizabeth Box, Thomas Magruder and Russell Turpin and the team advisor is John Long, a faculty member at MTC.

Francis Marion University hosted the Francis Marion Undergraduate Mathematics Conference on April 15th. Francis Marion has also just initiated a chapter of Kappa Mu Epsilon, a national mathematics honor society. The charter members include 11 students and 9 faculty members.



**Tennessee: Gary Hall, State Director,  
Lipscomb University, Nashville, 37204-  
3951. email: Gary.Hall@lipscomb.edu.**

The state of Tennessee will be having our MAA dinner April 8 at Lipscomb University. The speaker will be Bruce Kessler from Western Kentucky. The title of his talk will be "Image Compression, JPEG, and Wavelets". Congratulations to the University of Tennessee for winning the Jeopardy contest in Raleigh! .

## MAA Student Chapter News

### South Carolina

The MAA student chapter at Lander University has been busy this year. Among other things, they have gone to conferences, they attended the SC state dinner, and they visited Clemson's graduate school.

### Tennessee

In January, the Lipscomb MAA Student Chapter had a successful chili party; with about 25 in attendance. On March 14, in conjunction with the Physics Club, we held our first Pi Day/ Einstein's Birthday Celebration; we had about 30 to enjoy some scrumptious pies.

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## Section AMC Awards

### 2004 AMC-8 perfect scores:

- Philip Cross, Crayton Middle School, Columbia, SC
- Ian Taylor, Crayton Middle School, Columbia, SC
- Tyler Carter, Oliver Springs Elementary School, Oliver Springs, TN

### 2004 AMC 8 Edyth May Sliffe Awards for Distinguished Junior High/Middle School Mathematics Teaching

- Ms. Regina Carter, Challenger Middle School, Huntsville, AL
- Mr. John T. Hicks, Oliver Springs Elementary School, Oliver Springs, TN
- Ms. Jennifer Parker, Aycock Middle School, Greensboro, NC
- Mr. James Perry, Westminster Schools, Atlanta, GA
- Mr. John Rushman, Crayton Middle School, Columbia, SC
- Ms. Amy Wettengel, Taylor Road Middle School, Alpharetta, GA

### 2004 Edyth May Sliffe Awards for Distinguished High School Mathematics Teaching

- Benita H. Albert, Oak Ridge High School, Oak Ridge, TN
- John Henry Noland, William G. Enloe High School, Raleigh, NC
- John Moore Wilson, III, East Chapel Hill High School, Chapel Hill, NC

## Section Archives Established

The Section officially established *The Southeastern Section of the MAA Records: The John Neff Collection* on Friday, March 18, 2005 at the Georgia Institute of Technology Archives. The archives are named in memory of a beloved member of the section and housed at his institution, where on April 29, 1922 the first meeting to organize the Southeastern Section of the MAA was held. The first item placed in the archives is a ledger and the call is going out for other items (see list later in the article).



**John Neff.**

John Neff, an active member of the MAA at all levels, passed away in October 1998. Ask anyone who knew him and they will say he was a consummate teacher whether he was teaching a class, presenting a lecture, running a meeting or simply carrying on a conversation. For a moving tribute see the article by David Stone, *Remembering John Neff* in the January 1999 issue of *Focus*. He used humor and storytelling in all situations. His storytelling benefited the section when he wrote *Threescore and Ten: A History of the Southeastern Section of the Mathematical Association of America 1922 – 1992*. This document is available via a link on the archives page of the section website.

At the meeting on March 18, Joe Albree, historian of the section, handed the small, handwritten financial ledger kept by Marcellus Waddill, Secretary Treasurer from 1990 – 1996 to Jody Thompson, acting head of the Georgia Institute of Technology Archives. Tom Trotter, chair of the School of Mathematics at Georgia Tech, Richard Duke, a professor in the School of Mathematics at Georgia, and Virginia Parks, Vice-chair of the section witnessed the presentation. Richard Duke came to Georgia Tech in 1972 to assist John Neff when he became chair and Virginia Parks is a close friend of the Neff family and represented them. In addition, the section deposited some newsletters in the archives on this first visit.



Tom Trotter (l. to r.), Virginia Parks, Joe Albree and Richard Duke. Photo courtesy of Laurel Carafis.



The ledger. Photo courtesy of Laurel Crafts.

#### MAA Southeastern Section Newsletter

All members are asked to help build the collection. Items requested for the archives are as follows.

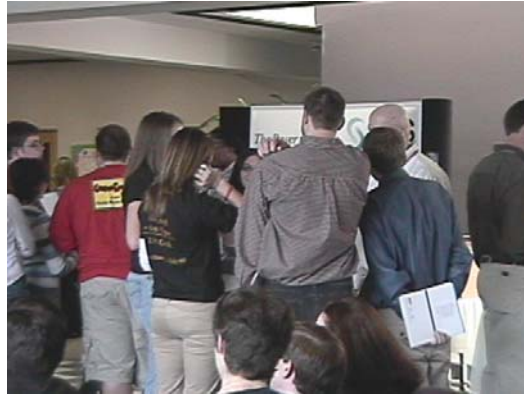
1. A full-run of the Southeastern Section Newsletter. (Currently the collection contains Fall 1993, Fall 1994, both newsletters for 1995, 1996 and 1997, Fall 1998, both newsletters for 1999, Spring 2000 and all newsletters from Spring 2001 – Fall 2004.)
2. A full-run of the programs of the annual meetings; as many abstracts of papers given at the annual meetings as possible.
3. Minutes, financial reports, committee reports, etc. from the business meetings and the executive committee meetings.
4. Resumes of current officers and of as many former officers as possible.
5. Short bios of notable persons from the Southeastern Section.
6. Photos.
7. Unpublished special narratives describing notable events in the history of the Section.
8. Oral histories from long-time members of the Section.
9. Collections of papers (published and unpublished) of prominent Section members.

If you have any of the items, please contact Joe Albree, the Section Historian, at P O Box 244023, Montgomery, AL 36124-4023, by phone at 334-244-3261 or by email at [aalbree@mail.aum.edu](mailto:aalbree@mail.aum.edu). Also, if you would like to help in the collection of items, such as oral histories, or if you have items not listed above and are unsure if they may be appropriate for the collection, please contact Joe. We welcome any help offered.

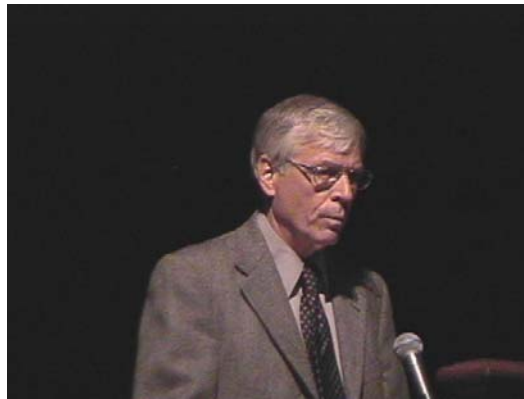


Joe Albree (right) hands the ledger to Jody Thompson. Photo courtesy of Laurel Crafts.

## Scenes From the Meeting



The SAS table is flooded with students.



Robert Fray delivers his talk.

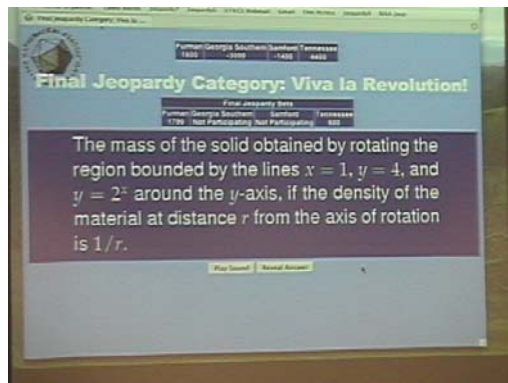


The social at Exploris.

MAA-SE 2005 Final Round

Discrete Thoughts	Indiscrete Thoughts	Loads of ODEs	The Matrix Revolutions	Potpourri
200	200	200	200	200
400	400	400	400	400
600	600	600	600	600
800	800	800	800	800
1000	1000	1000	1000	1000

The categories in the final round of Jeopardy.



The Final Jeopardy Question!



The Final Four in Jeopardy.





Jeff Knisley elaborates on his Multistage Mathematics Instruction.



The Penrose Tiling in the atrium of the Science and Mathematics Building.



The top of the atrium of the Science and Mathematics Building.



A student discusses her poster.



Dors Schattschneider presents her talk.



Jennifer Hontz (left), site organizer, relaxes at the end of the meeting.