Vol. 19, No. 2, Fall 2000

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Section Calendar

Jan. 10-13, 2001	MAA/AMS Annual Meeting, New Orleans
March 16-18, 2001	AMS Regional Meeting, Columbia
March 30-31, 2001	**Southeastern Section Annual Meeting, Montgomery**
April 4-7, 2001	NCTM Annual Meeting, Orlando
Aug. 2-4, 2001	Mathfest 2001, Madison, WI
Oct. 5-6, 2001	AMS Regional Meeting, Chattanooga
Jan. 6-9, 2002	MAA/AMS Annual Meeting, San Diego
March 8-10, 2002	Joint Southeastern Section MAA and Southeast Regional AMS Meeting, Atlanta

From the Chair

At the section's business meeting last spring at the University of North Carolina at Charlotte, the location for the annual section meeting in 2002 was not determined. The Executive Committee had discussed the possibility of a joint meeting with the American Mathematical Society, but because a number of unanswered questions had been raised about details of this meeting, the committee was not ready to make a recommendation. As a result, a motion was passed authorizing the committee to decide on a site for the 2002 spring meeting.

For a couple of months after the Charlotte meeting there was considerable discussion about how such a meeting should be organized. In particular, we communicated with John Bryant, the Associate Secretary of the AMS who is in charge of the southeast regional meeting. In August several members of the MAA Southeast Section Executive Committee (Ray Collings, Stephen Davis, Bob Fray, Joe Wimbish) met at Georgia Tech with John Bryant and Richard Duke, the acting head of the Mathematics Department at Tech, to discuss the details of a possible joint meeting. In September, the Executive Committee voted unanimously to hold a joint meeting with the American Mathematical Society at Georgia Tech on March 8-10, 2002.

Our joint meeting will be organized similar to the Joint Meetings of the MAA and AMS in January each year, yet the Southeast Section of the MAA will retain the features of its annual meeting that have made it so successful and enjoyable. Each organization will have its own paper sessions and plenary speakers, and there will be joint sessions and joint plenary speakers. In addition, there will be a wide variety of special sessions with invited papers and many sessions for contributed papers. We will continue to have short courses, the TA rush, a career fair, and Project NExT-SE activities. There will be one registration for the joint meeting and a combined social on Friday evening.

We are very enthusiastic about this joint meeting and hope that

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

The Department of Mathematics has 33 faculty members and 45-50 graduate students. The department provides close student-faculty interaction in a broad range of areas leading to master's and doctoral degrees. A distinguished faculty is active in research, both pure and applied, including the fields of algebra, classical and functional analysis, algebraic and differential geometry, ergodic theory and dynamical systems, combinatorics, algebraic topology, partial differential equations, representation theory, and mathematical physics.

Recently the department has developed a strong group in applied mathematics, which currently has eight tenure track faculty. The primary focus of the applied mathematics program is applied sciences; applications currently represented include polymers and materials sciences, oceanic and atmospheric dynamics, and fluid dynamics. Close ties have been established with applied sciences departments, both at UNC and at neighboring universities.

UNC is located in Chapel Hill, which is one vertex of the Research Triangle. Academic and cultural opportunities are enhanced by the proximity to Duke, North Carolina State, and the Research Triangle Park.

For additional information and on-line application forms, see our world wide web site at http://www.math.unc.edu.

For printed applications and other information, contact:

Director of Graduate Studies
Department of Mathematics
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-3250
(email: dgs@math.unc.edu)

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each of you will contribute to its success by offering suggestions, by organizing sessions, by presenting papers, and by attending. It has been at least twenty-five years since our section met with the AMS, and other sections have not been very successful in their attempts at joint meetings. But it is clear that we all have much to gain by combining our energies and sharing our strengths and knowledge to create a meeting with a rich diversity of offerings for all who attend. It is also the case that the national offices of both organizations strongly support this endeavor and are eager to see us be successful and provide a model for other regions to follow.

The geographical area covered by the Southeast Region of the AMS is larger than our section. In addition to our five states (Alabama, Georgia, North Carolina, South Carolina, Tennessee), the AMS includes Arkansas, Florida, Kentucky, Louisiana, Virginia and West Virginia. We intend to publicize this meeting to MAA members in those adjoining states. As a result, we expected to have as many as 700 registrants for this meeting. I urge you to place this meeting on your schedule for March of 2002 and continue to go to the web sites for our section and for the AMS to obtain further information when it becomes available. The preliminary program will be available only on the AMS web site. I also urge you to contact me with any suggestions for special sessions, activities, short courses, or speakers that you believe will enrich the program.

The 2002 meeting has the potential to be an exciting occasion, but our 2001 meeting at Huntingdon College in Montgomery has more than potential. At the Executive Committee meeting in September, the organizers from Huntingdon presented their plans for our section meeting on March 30 and 31. They have worked hard, have good ideas, and are preparing a very special event.

The selection of plenary speakers for the 2001 annual meeting is outstanding; two of the three are from the University of Georgia. Our Section Lecturer this year is Professor Andrew Granville, the David C. Barrow Professor of Mathematics at UGA Andrew is highly regarded internationally for his success in solving

EAST TENNESSEE STATE UNIVERSITY

GRADUATE PROGRAMS IN MATHEMATICS

PROGRAM: The Mathematics Department offers a graduate program leading to a Master of Science degree. We are in the process of actively planning a novel Ph.D. program to go into effect in the Fall of 2002. The department has a strong research group in graph theory and combinatorics, and is also active in computational mathematics, actuarial mathematics, operations research, real and complex analysis, numerical analysis, operator theory, applied mathematics, topology, matrix theory, statistics, and mathematics education. The graduate student enrollment is small, providing each student with individual attention.

ASSISTANTSHIPS: Graduate Assistantships are available for Fall 2001. Stipends range from $7200 to $10,250 per academic year, plus a tuition waiver. Approximately 20 hours of work is expected per week. Duties are primarily grading for the first year, and teaching for the second. Some assistantships are for service in the mathematics laboratory. Several tuition waivers are also available. Applications for assistantships will be accepted until May 1, 2001.

LOCATION: ETSU is located in Johnson City, part of the Tri-Cities Tennessee/Virginia region, in an area known for its natural beauty. Located in the Southern Appalachians, the region has an abundance of hiking and biking trails and white water rafting sites. The Great Smoky Mountains National Park is located 60 miles to the southwest, and the Appalachian Trail and Blue Ridge Parkway are also nearby.

INFORMATION: Contact: Dr. Debra Knisley, Graduate Coordinator, Mathematics Department, PO Box 70663, ETSU, Johnson City, TN 37614-0663, (423) 439-4349, FAX (423) 439 - 8361, e-mail: knisleyd@etsu.edu, WWW URL: http://www.etsu.edu/math/math.htm.

problems in number theory that are easy to state but very difficult to solve. In addition, he is a dynamic speaker and a superb teacher of undergraduate mathematics. His colleague in the Mathematics Department at the University of Georgia, Theodore Shifrin, is the recipient of the section's Award for Distinguished College or University Teaching and will also be a plenary speaker. Ted is the recipient of the Josiah Meigs Award for Excellence in Teaching at the University of Georgia, has written one mathematics text *Abstract Algebra: A Geometric Approach*, and is completing a second text, *Linear Algebra: A Geometric Approach*. His research interests are differential geometry and complex algebraic geometry. The third plenary speaker is Professor Frank Morgan of Williams College. Frank is currently the Second Vice-President of the MAA. He is well known for his distinguished teaching (he was one of the first recipients of the MAA national teaching award) and for his excellent presentations on minimal surfaces and soap bubbles. At Williams he holds the Dennis Meenan '54 Third Century Professorship in Mathematics. Frank is the author of four mathematics books, including *The Math Chat Book 2000*, which is based on his live, call-in *Math Chat* TV show and *Math Chat* column.

In addition to the outstanding group of plenary talks we will have the usual activities such as short courses, TA rush, and career fair. The Friday social will be a barbecue dinner, which will probably be held on campus.

Montgomery is the home to a renowned Shakespeare theater, which has performances scheduled for both Friday and Saturday nights. So make your plans now to attend our next annual meeting on March 30 and 31 at Huntingdon College.

Robert Fray

Graduate Studies in Mathematics
University of Central Florida

The Mathematics Department of the University of Central Florida offers quality graduate programs leading to the M.S. and Ph.D. degrees in mathematics with emphasis on applied and industrial mathematics. Graduate students in these programs will work with a congenial faculty having international stature and a wide variety of research interests.

The M.S. program has two tracks, conventional and industrial mathematics. The Ph.D. program has three tracks, pure, applied, and probability and statistics. Both programs encourage interdisciplinary studies by allowing students to take courses outside the department in areas related to the student's program of study.

Assistantships are available for qualified students with stipends ranging from $15,000 to $17,000, depending on qualifications and seniority. A number of fellowships and enhancement awards are also available for outstanding students.

The University of Central Florida is a part of the Florida State University System. Situated in one of the most rapidly developing areas in the nation, the campus is located on 1,227 acres on the eastside of Orlando and has over 34,000 students. The Mathematics Department has an active faculty of 35 and 23 graduate teaching assistants.

For further information, visit our web site at http://math.ucf.edu/grad/gradinfo.shtml or contact Professor Ahmed I. Zayed, Graduate Coordinator, Department of Mathematics, University of Central Florida, Orlando, FL 32816-1364, 407-823-5989, or e-mail zayed@pegasus.cc.ucf.edu.

From the Governor

The agenda for the August 2, 2000 meeting of the MAA Board of Governors, my first meeting as your Governor, arrived near the end of July – a bound, 120 page document! And this did not include the many other pages of information that were given out at the meeting. I have learned a lot in a short time about the many issues with which the Board of Governors deals. I want to make you aware of some of the important items from the August meeting.

The MAA is in the process of acquiring an Association Management Software (AMS) package. Implementation of the software and conversion of the MAA database is to begin fall 2000, with full implementation in the summer of 2001. The cost of the software and equipment will be spread out over three years starting in 2001. This along with other initiatives, such as the addition of the Associate Executive Director for Programs and Services and the full staffing of the Visiting Mathematician program, will cause a temporary shortfall in the budget which will be covered with a current surplus.

In an effort to diversify revenues, the MAA will be looking for ways to increase income from services and products. They will also put a very high priority on increased giving to the MAA by individuals and foundations. Increased emphasis will be placed on development with activities already underway.

The MAA Board of Governors approved and adopted the new "Guidelines for Programs and Departments in Undergraduate Mathematical Sciences", a revision of the 1993 document, with minor editorial changes and plans to begin dissemination soon. These Guidelines are intended to be used by mathematical sciences programs in self-studies, planning, and assessment of their undergraduate programs, as well as by external reviewers.

The seventh group of Project NExT Fellows consists of 71 new faculty teaching in 19 Sections (eight from the Southeastern Section). For the first time ever, 100% of the Fellows had 100% travel support from their institutions. A grant of $15,000 from the

Educational Advancement Foundation of Austin, Texas supports the program costs for five of the 2000-2001 Fellows. The project is considering the possibility of initiating a fee for participation in the program. For the 2001-2002 program they envision a fee of approximately $300.

One of my goals as Section Governor is to try to have more members of our Section appointed to MAA committees. All committees are grouped within six areas – Awards, Competitions, Education, Human Resources, Meetings, and Publications. If you have an interest in serving on a national MAA committee, please contact me and let me know in which area you think you could make a contribution and why. I would like to make many recommendations to the Coordinating Councils of the areas.

Theresa Early

Fall Executive Committee Meeting

Section officers held their annual fall meeting on September 15-16, 2000, on the campus of Furman University in Greenville, SC. New Section Governor Theresa Early reported on the Board of Governors meeting at MathFest 2000. Highlights included a reported 7.5% increase in MAA membership, progress with the planned new management software at MAA headquarters, and efforts to diversify sources of revenue. The Secretary-Treasurer provided a financial report, indicating a balance of $8967.05 at the time. (A summary financial report for the last three fiscal years is available at http://www.davidson.edu/math/davis/FinRpt97-00.html.) State Directors discussed their plans for state dinners. John Harris reported on the third class of Project NExT-SE, which was formed at the UNC-Charlotte meeting last March; nine new Fellows were received into the program. It was also noted that eight of this summer's 71 new national Project NExT Fellows are from our section.

Section Chair Bob Fray reported on an August meeting of our Chair, Secretary, Program Chair, and Chair Elect with Associate Secretary John Bryant of the AMS and the Mathematics Department Chair at Georgia Tech to discuss arrangements for a proposed joint meeting of our section with the AMS Southeastern Region in March, 2002. A detailed set of guidelines for this meeting were agreed upon. The decision on the site of the 2002 meeting would ordinarily have been made at the section's Business Meeting last fall, but was remanded to the Executive Committee pending its review of the feasibility of a joint meeting. The guidelines address financial, advance notice, and programmatic aspects of a joint meeting. The Committee was impressed by the thoroughness of the guidelines and cooperative spirit of all parties involved in the planning of the joint meeting. The Committee unanimously approved a joint meeting of our section with the AMS Southeastern Region on the campus of Georgia Institute of Technology for the weekend of March 8-10, 2002.

The other major focus was on plans for the coming spring meeting at Huntingdon College in Montgomery, AL, March 30-31, 2001. Features include plenaries by MAA Second Vice-President Frank Morgan, Section Lecturer Andrew Granville, and our 2000 Distinguished Teaching Award recipient Theodore Shifrin. Also planned are a variety of short courses, a Career Fair and TARush, a Student Poster Session, and the MAA Liaison Breakfast. Check the section web page (http://www.maa.org/southeastern) for the preliminary announcement of this meeting soon.

Stephen Davis

Attention Project NExT Fellows

The Section Executive Committee would very much appreciate your assistance in planning/organizing/operating the Section Meeting in Montgomery in March of 2001.

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

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

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

Announcements

Subscribe to Section Listserve

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

subscribe sesmaa Your Name

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

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

Georgia State Dinner

The Georgia State Dinner will take place at noon on April 21, 2001 in the Trustees Dining Room in the Connell Student Center on Mercer University's Macon campus. Ben Fitzpatrick of Auburn University will be our speaker. Please contact Phillip Bean (bean_pw@mercer.edu, Department of Mathematics, Mercer University, Macon, GA 31207) if you have any questions. More details about the meeting including the cost and menu will be announced through a mailing and through messages from your MAA liaisons. Please plan to attend and encourage your colleagues and students to attend as well.

NC STATE UNIVERSITY

NORTH CAROLINA STATE UNIVERSITY
DEPARTMENT OF STATISTICS

Programs of Study

The Department of Statistics offers programs of study leading to the Master of Statistics degree, the Master of Science degree in Statistics, and the Doctor of Philosophy. Optional concentrations are available at Master's level in biomedical, environmental, industrial statistics, and statistical genetics. In addition to its degree programs in statistics, the department also offers programs of study in biomathematics and bioinformatics leading to the Ph.D., M.Sc., and Master of Biomathematics degrees. For students entering with all the prerequisites, M.Stat. and M.Sc. in statistics programs require a minimum of 34 semester hours. Included are courses on statistical methods, statistical theory, linear models, sampling, experimental design, the analysis of categorical and censored data, supervised consulting, and courses from other statistical and supporting areas. Students pursuing the M.Sc. degree take 6 hours of research in place of 6 hours of electives. All master's students must pass the departmental Basic Examination, which is normally taken at the beginning of the student's second year. A final oral examination is also a requirement and is usually taken at the end of the student's second year.

Admission to the Ph.D. program is granted to those who have been admitted to the master's program and have passed the Basic Comprehensive Examination at the Ph.D. level. Requirements for the degree vary with the background of the student. However, all students are required to take courses on measure theory, advanced probability, advanced inference, and supervised consulting, in addition to statistics and supporting electives. The student must pass both a preliminary written and oral examination, prepare a dissertation describing independent and original research, and defend the dissertation in a final oral examination. A minimum of two years beyond the master's degree is commonly required to obtain the Ph.D. degree. Flexible co-major programs at the master's and Ph.D. level with other departments can also be arranged.

Financial Aid

Graduate teaching and research assistantships, industrial traineeships, NSF-VIGRE traineeships, and fellowships are awarded each year on a competitive basis. Fellowships are provided through the department's Gertrude M. Cox Fellowship Fund. The stipend for teaching assistantships in 2000-2001 is $12,375 for nine months. Graduate industrial traineeships from Glaxo-Wellcome, SAS Institute, Quintiles, ASI, and other local industries are also available. Several faculty members appoint students to research assistantships, normally in the second or later years of study. Special aid programs are also available for applicants from minority groups. Those students receiving assistantships or fellowships receive health insurance coverage and certain amounts of in-state and out-of-state tuition.

Applying

A completed application and application fee must be received by March 1 for Fall admission and by October 15 for Spring in order to receive higher priority for financial aid. Graduate School deadlines are June 25 and November 25 for Fall and Spring, respectively. Different deadlines for international students are detailed in materials sent by the Graduate School. Graduate Record Examinations (GRE) General Test scores are required of all applicants. Test of English as a Foreign Language (TOEFL) scores are required of certain applicants.

Applications may be submitted to the Graduate School via the World Wide Web at http://www.acs.ncsu.edu/scripts/gsadmiss/gsaplfrm.pl. You may also apply on-line or obtain more information about our programs, faculty and students while visiting our department website at http://www.stat.ncsu.edu.

Correspondence and Information

Dr. Sastry G. Pantula, Director of Graduate Programs
Department of Statistics, Box 8203, North Carolina State University
Raleigh, NC 27695-8203

Telephone: 919.515.2518 Fax: 919.515.7591 E-mail: dsgp@stat.ncsu.edu

Distinguished Service Award Nominations Sought

The Southeastern Section bestows a Section Distinguished Service Award at the annual spring meeting each year. A member of the Section will be so honored at the March 2001 meeting in Montgomery.

The Section Distinguished Service Award Committee now solicits your nomination of any Section member for the 2001 award. The committee members are Hugh Haynsworth, Chair, Sylvia Bozeman, M.F. Neff, David Stone, and Marcellus Waddill.

Please send your nomination along with a brief statement supporting your nomination to Hugh Haynsworth at the address below. If any member of the Section Committee is a nominee, that person will be replaced on the committee by someone appointed by the Section Chair. Previous Section Service Award recipients are not eligible.
DEADLINE FOR SUBMISSION: January 15, 2001
Submit nominations to :

Hugh Haynsworth
Dean of Graduate Studies
University of Charleston
66 George Street
Charleston, SC 29424

Previous Service Award Recipients
The section has awarded its Award for Meritorious Service in even-numbered years, beginning in 1990, then annually, beginning in 1997. The recipient list is:

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
Mar. 1997 John Kenelly, Clemson University
Mar. 1998 David Stone, Georgia Southern University
Mar. 1999 M. F. Neff, Emory University
Mar. 2000 Tina Straley, MAA Executive Director

CLEMSON
UNIVERSITY

Department of Mathematical Sciences

The Graduate Program The Department offers the M.S. and Ph. D. degrees in mathematical sciences. The *master's degree* is based on developing breadth as well as depth in the mathematical sciences; it requires two years of course work and culminates with a master's project, directed by an individual faculty member. The *Ph.D. degree* generally requires at least three years of study beyond the master's degree. The Department also offers, together with the Department of Management, a Ph.D. in *management science*.

Research Areas Algebra and Discrete Mathematics, Applied Analysis, Computational Mathematics, Operations Research, and Probability and Statistics.

Admission Requirements Admission decisions are based upon GRE General scores, transcripts, and letters of recommendation.

Financial Support A number of graduate teaching assistantships are available, and they carry a stipend of $14,000 for 10.5 months. Research assistantships are also offered, with stipends in the range $14,000–$18,000. Substantial tuition reduction is available to both graduate teaching and graduate research assistants. Highly qualified applicants may qualify for university fellowships, which carry an additional stipend and no additional duties.

Additional Information Visit our graduate web page using the address http://www.math.clemson.edu/graduate/ or contact us by email at mathsci@clemson.edu. You can also write us: Graduate Coordinator, Department of Mathematical Sciences, O-102 Martin Hall, Clemson University, Box 340975, Clemson, SC 29634-0975.

2001 Annual Meeting
MARCH 30-31, 2001

The Department of Mathematics at Huntingdon College in Montgomery, AL invites you to attend the 80th Annual Meeting March 30-31, 2001. This year's invited speakers are Frank Morgan of Williams College and the MAA Second Vice-President; Theodore Shifrin of the University of Georgia and 2000 MAA-SE Distinguished Teaching Award; and Andrew Granville of the University of Georgia and Section Lecturer

The Program will feature sessions on mathematical topics on the teaching of mathematics at the collegiate level, on instruction in the first two years, on teacher preparation, and on other special interests. There will be special sessions for undergraduate students including poster sessions, contributed paper sessions, a look at job opportunities in the mathematical sciences and chances to visit with graduate school representatives. Further details may be found at the meeting website, **http://www.huntingdon.edu/maa/**.

At press time two short courses were known. The first is Introductory Statistics by Gary Kader and Mike Perry of Appalachian State. The second is an NSF grant writing workshop to create awareness of federal funding opportunities, especially at NSF/DUE, for mathematicians, as well as guide potential grant seekers in the art of writing effective, fundable grants. Other short courses are in the planning stage and will be announced later.

EMORY UNIVERSITY
Department of Biostatistics

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

The Department: The research-oriented faculty consists of 14 full-time doctoral-level scientists and 19 associate/adjunct faculty members who are also committed to excellence in teaching. Our student-teacher ratio is small and conducive to close mentor relationships between students and faculty. Close collaboration with the Centers for Disease Control, the Carter Center of Emory University, Emory's Medical School, the Georgia Department of Human Resources, and the American Cancer Society promotes challenging research and career opportunities for students. The Biostatistics Consulting Center provides graduate students training in consulting. Excellent computing facilities are available.

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

Financial Support: Graduate School of Arts and Sciences student fellowships, which provide full tuition and a stipend of at least $13,790 for 12 months, are available for highly qualified students in the PhD program. The Rollins School of Public Health has a small number of fellowships available for the MSPH and MPH degrees. In addition, opportunities for part-time employment as a teaching assistant or a research assistant are available on a limited basis.

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

News From the Campuses

Agnes Scott College (Decatur, GA)

Alan Koch has joined the mathematics department at Agnes Scott College as an assistant professor. Alan received his Ph.D. from the State University of New York at Albany and has been teaching full time for five years, most recently at St. Edward's University in Austin, Texas. His expertise will complement the algebraic side of the department. Frank Casabianca will be a visiting assistant professor of mathematics this year while Myrtle Lewin is on sabbatical. Frank recently completed his Ph.D. from Auburn University and will join the National Security Agency at the end of this academic year. (Submitted by Larry Riddle)

Appalachian State University (Boone, NC)

We are happy to have five new faculty members in the Department of Mathematical Sciences this year, Brian Felkel, Eric Marland, Jill Richie, Mary Beth Searcy, and Dee Wasman. Brian comes to us from Florida State University where he just received his Ph.D. His research is in Fourier analysis. Eric was previously at UC Davis where he spent two years as a post doc at the Institute of Theoretical Dynamics. He received his Ph.D. in 1998 from the University of Utah. His research is in mathematical biology. Jill came to Boone from Rensselaer Polytechnical Institute where she just received her Ph.D. Her research is in multivariate statistics for rank order data, and statistics education. Mary Beth comes to us from Central Michigan University where she was an assistant professor. Her research is in college mathematics cognitive reasoning. Dee just received her Ph.D. from the University of Missouri. Her research investigates middle school students' algebraic reasoning. Dee is also in the process of reviving our chapter of the Pi Mu Epsilon mathematics honor fraternity.

John Harris left our department to take a position at Furman University. Lyn Hancock retired from the department and has accepted a visiting position at Montana State University. Dr. Jimmy Smith is on leave from the University undergoing treatment for cancer at Duke University. He can be reached at SmithJR@appstate.edu.

This was a busy summer for our department as we hosted the Mathematics Education Leadership Training (MELT) Technology Institutes as well as the Fourth Annual ASU Math Camp. The MELT program, which is run by Dr. Greg Foley, is aimed at helping schoolteachers implement technology in their mathematics classes. For each of the next five summers, the program will support 10-12 MELT scholars to begin their master's degrees and lead technology workshops in their home areas. In Summer 2001, there will be weeklong institutes in Algebra, Middle School Mathematics with the TI-73, Geometry, Middle Grades Mathematics on the Web and in Print, AP Statistics, and Connecting Algebra and Geometry. For more information on the MELT program see: www.melt.appstate.edu.

The Fourth Annual ASU Math Camp I for middle school students, and Math Camp II for high school students were held July 23-26, 2000 and July 30 to August 2 respectively on the ASU campus. This "day camp," held from 6-9 PM for four nights, resembled a basketball camp in format with teams and stations and hot-shot and team competitions. In addition to math topics, the students discussed "how to think" in math, and the importance of positive self-beliefs and strong study skills. Dates for the 2001 camps are June 18-21 and June 24-27. For more information contact Anita Kitchens at kitchnsan@appstate.edu.

Last Spring, Dr. Witold Kosmala spent the semester at the University of Rhode Island working on research in difference equations. This spring, Dr. Jeff Hirst plans to visit Notre Dame to work with people there on his research in logic.

We have several events planned for the spring. As always, our department will host its annual Math Contest in March. This contest is for junior and senior high school students from across the state. We also plan to host an MAA state dinner on Thursday, April 19 and the Sixth Annual North Carolina Mini-Conference on Combinatorics, Graph Theory and Computing on Friday, April 20. The main speaker for both of these events is scheduled to be Dr. Richard Ringeisen, Provost at East Carolina University (and former graph theorist). We are also substantially revising our Master's Degree program with an emphasis on College Teaching. We plan to be enrolling students in our new program in the fall. (Submitted by Mark Ginn)

Armstrong Atlantic State University (Savannah, GA)

Richard Grayson and Kim Swanson joined our faculty this year. Kim comes from Miami University and Richard from Georgia Southern University.

In the August/September Focus Larry Lesser was featured in a note about his innovative integration of music into his math classes. Dale Kilhefner was recognized by the University with the Award for Distinguished Faculty Service to the Community.

On Saturday, March 3, 2001, we will host our twenty-third annual High School Math Tournament. (Submitted by Tim McMillan)

Auburn University (Auburn, AL)

George Kozlowski stepped down from the position of department head at the conclusion of the Winter 2000 quarter. George had served as department head for fourteen years. The transition to new department leadership introduced a change from head to chair structure. Ulrich Albrecht assumed the position of department chair at the beginning of the Spring 2000 quarter. After a four year term as Graduate Program Officer, Pat Goeters turned the duties over to Andras Bezdek. Pat then assumed the role of department webmaster, a position that Jack Rogers had held for several years.

The year 2000 was also accompanied by the retirements of three department faculty members: Professor Emeritus Paul D. Hill (26 years of service), Professor Emeritus William N. Hudson (22 years of service), and

Associate Professor William R. Transue (33 years of service).

Six graduate students received Ph.D. degrees. They are (along with their current positions) Frank Casabianca (Assistant Professor, Agnes Scott College until June 2001, then joins National Security Agency), Nickolai Kosmatov (Assistant Professor, University of Arkansas-Little Rock), Griffith Nyuydinkong (Assistant Professor, Ferris State University), Agashi Nwogbaga (Delaware University), John Porter (Instructor, Auburn University), and Chaowen Zhang (Assistant Professor, University of Tennessee-Chattanooga). Also, John Porter, Frank Casabianca and Chaowen Zhang gave invited talks in various Special Sessions of the AMS, while Strashimir Popvassilev (current Ph.D. student) presented papers in sessions during the 34th Annual Spring Topology and Dynamics Conference in San Antonio and during the First Turkish International Conference on Topology and its Applications. Among new graduate students joining the department in Fall 2000 are Amanda Broyles (B.S., Ouachita Baptist University), Florentina Simionescu (M.S., Transilvania University of Brasov, Romania), Blane Hollingsworth (B.S., University of Alabama at Huntsville), Kelley Burgin (B.S., Auburn University), Wen Yan (M.S., Xiangtan University, China), Brad Bailey (B.S., Armstrong University), Michael Gray (B.S., M.A., University of Central Arkansas), Paul Kustos (B.S., Auburn University), and Cristiano Grangeiro (B.S., Auburn University at Montgomery). Current Ph.D. student, Michael Granado, had his Presidential Graduate Opportunity Grant renewed, while former Auburn student, Udayan Darji (Ph.D. 1991, and currently at the University of Louisville) was awarded a Fulbright Fellowship for study and research in Hungary.

Special recognition was given to Johnny Henderson when he was named the College of Sciences and Mathematics' Scharnagel Professor of Mathematics (a position funded in part by the Marguerite Scharnagel Endowment). In addition, Johnny was appointed to the editorial board of *Journal of Mathematical Analysis and Applications*, and was also named Co-Chief Editor of *Nonlinear Differential Equations: Theory, Methods and Applications*. Wenxian Shen also received the honor of being named the recipient of the College's Faculty Research Award.

Several department members gave talks at mathematics meetings and in special sessions. Pat Goeters has been invited to deliver a series of lectures in February 2001 as part of the 8th Annual Central American Conference for Mathematical Investigators in Nicaragua. He also gave Special Session talks during the Spring Algebra Conference at Auburn and during the AMS meeting at UL-Lafayette. Gary Gruenhage delivered the Millennium Lecture at Topo 2000, the 15th Annual Summer Topology Conference, while Krystyna Kuperberg gave several major addresses at conferences including the Spring Topology and Dynamical Systems Conference in San Antonio, the Topology Conference in Chico, California, the CBMS Lecture Series in Macon, Georgia, and the Summer Topology Conference and Dynamical Systems Conference in Miami, Ohio. Johnny Henderson was an AMS Special Session speaker at Notre Dame, and was a keynote speaker at both the Workshop on Differential Equations on Measure Chains in Fargo, North Dakota and the Midwest

The University of South Alabama
Department of Mathematics and Statistics
Assistantships Available

The Graduate Program The Department of Mathematics and Statistics offers a modern and flexible program of study leading to a Master of Science degree in Mathematics. The course of study can be tailored to meet the needs of individual students. The program combines a basic graduate education in mathematics with options for study in computer science and statistics. Depending upon the electives selected, the curriculum can be used as preparation for a more advanced degree in the mathematical sciences, or as preparation for employment in industry, government, or education.

The Department The Department of Mathematics and Statistics has 27 full-time faculty members. We are committee to quality instruction and research.

Computing Resources A wide variety of computing resources is available to students including the usual internet services, a 16-processor Cray SV1 supercomputer, various Sun workstations and servers, and personal computing labs. Computers are located directly in the graduate student office complex.

General Information The University was founded in 1963. Enrollment has grown to over 11,500 With more than 2,100 in graduate programs. Located in the historic city of Mobile, the University provides an excellent setting for study and recreation. Beautiful white sand beaches along the Gulf of Mexico are nearby.

Financial Aid Graduate Assistantships are available on a competitive basis. Duties consist of tutoring for approximately 16 hours per week. Stipends are generally $8,000. Additionally, all tuition is waived with each assistantship.

Additional Information Please contact:
Dr. Daniel Flath, Graduate Coordinator
Department of Mathematics and Statistics
University of South Alabama
Mobile, AL 36688-0002
(334) 460-6264
flath@mathstat.usouthal.edu

The University of South Alabama provides equal educational opportunities to and is open and accessible to all qualified students without regard to race, color, creed, national origin, sex, or qualified handicap/disability, with respect to all of its programs and activities.

Differential Equations Conference in Moorhead, Minnesota. Wenxian Shen gave a number of invited talks at conferences including the International Conference on Dynamical Systems and 7th Conference of FDE's of China, the Pacific Rim Dynamical Systems Conference in Maui, Hawaii, and the Biology and the Differential Equations Workshop hosted by Georgia Institute of Technology.

In further activity, Gary Gruenhage gave a talk as well as chaired the Steering Committee for the 34th Annual Spring Topology and Dynamics Conference series in San Antonio. He presented a paper in an AMS Special Session in Toronto, and also gave an invited talk at the First Turkish International Conference on Topology and its Applications in Istanbul. Yongsheng Han visited Zhongshan University in China during the Spring, and while there he was appointed Visiting Professor through the year 2004. Also, he gave colloquia talks at Zhongshan University, Guangzhou University, Huanan Normal University, and Beijing Capital Normal University. Krystyna Kuperberg organized a panel discussion within the Olga Taussky Todd Celebration of Careers in Mathematics for Women at MSRI, Berkeley. Paul Schmidt, Johnny Henderson and Krystyna Kuperberg all were invited to participate in AMS Special Sessions in Birmingham. Pat Goeters rounded out his activity with a colloquium talk at the University of Connecticut, while Krystyna Kuperberg gave a series of colloquia talks at the University of Kansas.

NSF funded Gary Gruenhage's grant proposal for a period of three years. Krystyna Kuperberg continues to serve on the AMS Editorial Boards Committee (currently chairing the committee), and she was appointed to the MAA Chauvenet Prize Committee.

The department participated again this year in the Regional Science Olympiad held at Auburn University. Narendra Govil had the oversight of organizing eight mathematics events for the competition. Bill Ullery, with the assistance of Pat Goeters, organized a Spring Algebra Conference hosted by Auburn University. The conference was well attended with participants from Auburn, Michigan, Connecticut, Baylor, Fordam, UL-Monroe, FAU, and Tulane.

Several faculty from other universities chose to spend a part of their sabbatical or fellowship time as visitors with the Auburn Department of Mathematics. They included Q. I. Rahman (University of Montreal), M. A. Qazi (Canadian NSERC Fellow), William Yin (LaGrange College), and Roman Srzednicki (a DRI sponsored visitor from Jagiellonian University, Krakow, Poland). In addition, a few of those who visited and gave colloquium talks were Shui-Nee Chow (Singapore and Georgia Tech), John Graef (University of Tennessee at Chattanooga), Chuan Jen Chyan (Tamkang University, Taiwan), Roman Srzednicki (Jagiellonian University, Krakow), and P. A. Schweitzer (IMPA, Brazil and Stony Brook). (Submitted by Johnny Henderson)

Augusta State University (Augusta, GA)

Deltra Holt was granted tenure. The 27th Annual Augusta State Math Contest will be held on Friday, March 9, 2001. (Submitted by Gerald Thompson)

Austin Peay State University (Clarksville, TN)

Dr. Nell Rayburn was promoted to Professor.

APSU hosted the Middle Tennessee Region Mathematics Contest for high school students in March. We will once again host this contest next March. We also host the annual APSU middle school mathematics contest in April of each year, rewarding and encouraging young students to study mathematics.

The APSU faculty was very active last year with workshops and presentations. Mary Lou Witherspoon and Andrew Wilson conducted several local workshops for elementary teachers. The Tennessee Department of Education invited Mary Lou to be a member of the committee that will develop "Mathematics Accomplishments" -goals for students in the first three years of schooling. Samuel Jator gave a talk at the Southeastern Section of the MAA. Samuel is also a Project NexT-SE fellow. Jim Vandergriff gave talks at the Illinois Number Theory Conference and at the Joint Meeting in Washington D.C. Nell Rayburn gave talks at the Joint Meeting and at Project CLUME in South Bend, Indiana. Bruce Myers conducted a course on Advanced JAVA at the National Computer Educators Institute at the University of Central Oklahoma this past summer.

We are very pleased to announce that Lisa Donegan, a math major at APSU, received the first Dr. Henry Frandsen Scholarship for Teachers at the spring TMTA meeting in Knoxville. Our computer programming team took 2nd place at the 24th annual ACM International Collegiate Programming Contest, TTU site. (Submitted by Jim Vandergriff)

Belmont University (Nashville, TN)

Belmont hosted the annual Middle Tennessee Mathematics Teachers meeting. Around 300 faculty, K-16, attended the meeting in September. In March 2001, Belmont will be a host site for the annual Tennessee Mathematics Teachers Association High School Mathematics Contest. Approximately 150 area middle and high school students will come to Belmont to participate by taking exams ranging from Algebra I to Advanced Topics.

The Department of Mathematics and Computer Science is hosting again this year the Mathematical Musings and Munchings presentation series. This series has been very successful the previous two years and is off to a good start again this year. Presenters and titles for the series in 2000-01: "The Children of Frankenstein," presented by Bill Hooper, Stephen Campbell, and Marshall Graves (former student); "The Mathematics of M. C. Escher," presented by Sharon Crumpton; "Paul Erdos: The Bumblebee for Mathematics in the 20th Century," presented by Mike Pinter and Stephen Campbell; "Women in Math and Science Fields - Myth, Reality, and What We Can Do

About It," presented by Mary Early-Zald (Psychology faculty member); and "What Do You Mean That I Have to Write In Math Class," presented by Michelle Ghrist.

Dr. Michelle Ghrist joined the department as a full-time faculty member this year. She comes to Belmont from the University of Colorado. Her specialty is applied mathematics. Ms. Barbara Ward returned to Belmont as a full-time faculty member this year, and assumed responsibilities as Statistics Coordinator.

Mike Pinter received an Innovative Excellence in Teaching, Learning and Technology Award at the Eleventh International Conference on College Teaching and Learning in Jacksonville, Florida in April 2000.

Bill Hooper (Computer Science) will be on sabbatical during the Spring 2001 semester. He will spend the time at Hope College in Holland, Michigan, teaching some courses and looking for ideas to incorporate at Belmont. Sharon Crumpton returned from a sabbatical during the Spring 2000 semester.

MAA Student Chapter officers for the 2000-01 year are Jennifer Rowe (President), Robbie Wiseman (Vice president), and Daniel Lewis (Secretary/Treasurer). (Submitted by Mike Pinter)

Brevard College (Brevard, NC)

This past Spring, Tracy Phelps earned the first B.A. in mathematics awarded by Brevard College. Her research paper was “Using Mathematical Modeling to Assess the Meandering Processes of Streams”. Tracy built upon her experiences with U. Delaware's Marine Science Institute where she worked under an NSF grant, applying harmonic analysis to estuarine tidal flows.

Theresa Bright, Associate Professor and coordinator of the major in mathematics, has been awarded tenure, has gotten married (to a professor of mathematics in another section), and will be on leave for the Spring semester. Susan Horn, Associate Professor of mathematics, is on sabbatical for the 2000-2001 year. (Submitted by Clarke Wellborn)

Bryan College (Dayton, TN)

Bryan College is pleased to announce the addition of a new faculty member in a new faculty position. Mr. Earl Reed is joining us this fall as Assistant Professor of Computer Science. Earl comes to us after having worked over 31 years for the Department of Defense as a civilian employee. We are excited about the expertise, experience, and enthusiasm which Earl brings to us. We are looking forward to a major overhaul and upgrade of our computer science curriculum under his leadership. (Submitted by Phil Lestmann)

Carson-Newman College (Jefferson City, TN)

Department chair Carey Herring has been promoted to Dean of the Division of Natural Sciences and Mathematics; he will also continue in his responsibilities as department chair.

Catherine Kong and Henry Suters were both awarded tenure this year.

Thomas Bass was awarded Carson-Newman's Teaching Excellence and Leadership Award at the college's fall convocation. Catherine Kong was awarded the Student Advocate of the Year Award by the college's Student Affairs division.

Catherine Kong and two of our students, Nick Stepp and Luke Robinson, earned a "Meritorious" designation from MathServe 2000 for their Community Service Project "A Study of the Morristown-Hamblen Emergency Medical Service, Tennessee." Their paper will be published in an upcoming edition of *The Journal of Undergraduate Mathematics and Its Applications.*

James Netherton has joined the Carson-Newman faculty as Professor of Mathematics. He won't be teaching--his duties as president of the college will keep him pretty busy! (Submitted by Thomas Bass)

Chowan College (Murfreesboro, NC)

Chowan College has two new faculty for Fall 2000. Dr. Brahima Mdodje, who received his Ph.D. from the University of Toulouse III, Toulouse, France. Dr. W. Teresa Obuchowska, who received her Ph.D. from the University of Windsor, Windsor, Ontario, Canada. Both faculty have had prior teaching experience at other colleges and universities. We are glad to have them both at Chowan College. (Submitted by Ken Bernard)

The Citadel (Charleston, SC)

Joe Faulkner is serving as a visiting professor in Computer Science for the 2000-2001 academic year. Spencer Hurd and Mei Chen were each promoted to full professor.

Jean-Marie Pages won The Citadel's Medbery Award for outstanding undergraduate science teaching.

In February of 2000 Dave Trautman hosted the department's annual mathematics competition for Charleston-area high-school students. (Submitted by Dave Trautman)

Coastal Carolina University (Conway, SC)

We are pleased to announce two new faculty appointments, Jeff "Difference Equations" Feuer (assistant professor) and Joanne Duvall (instructor). A workshop for middle school students (MESAS) will be held at CCU on November 18, where members of our department will be initiating hands-on activities. Several students and faculty will be presenting joint work in the third annual "Celebration of Inquiry" Conference of CCU in February. The annual regional meeting of SIAM-SEAS will be held on our campus on March 17-18, 2001, and we will also host the South Carolina Junior Academy of Sciences meeting on April 6th. As always, we are sponsoring a local mathematics contest this Spring.

The department name has been changed to "Dept. of Mathematics and Statistics" from "Dept. of Mathematics", and two faculty members retired last spring: Subhash Saxena and Tom O'Loughlin. (Submitted by Fusun Akman)

Coastal Georgia Community College (Brunswick, GA)

Robert Balman has been promoted to Associate Professor of Mathematics. (Submitted by Bob Balman)

College of Charleston (Charleston, SC)

The Department of Mathematics at the College of Charleston continues to grow and prosper. We hired five new faculty last year. Sofia Agrest joined us as an Instructor. She earned her graduate diploma in applied mathematics from Abkhazian State University in the Republic of Georgia and has been teaching and tutoring math in Charleston for seven years. Tom Ivey joined us as an Assistant Professor. He works in differential geometry and partial differential equations. Tom earned his Ph.D. from Duke University. He spent two years as a S. E. Warshawski Assistant Professor at the University of California, San Diego, and three years as a visiting Assistant Professor at Case Western Reserve University. Mary Rivers joined us as a fulltime Instructor. Mary earned her M.S. in statistics from the University of South Carolina and her M.A.T. in mathematics education from The Citadel. She has worked part time in our department for eighteen years, sharing an Instructor's position with another faculty member. We're pleased to have Mary with us fulltime. Oleg Smirnov joined us from Randolph-Macon College as an Assistant Professor. He earned his Ph.D. at the Institute of Mathematics of the Russian Academy of Sciences in Novosibirsk and started his academic career at Novosibirsk State University. Oleg spent three years as a Visiting Assistant Professor at the University of Virginia and two years on a NATO Science Fellowship at the University of Ottawa. He works with graded associative algebras, Lie algebras, and related non-associative structures. James Young joined us from Sebastopol, California, where he was founding President of STATIS, a mathematical/statistical consulting and software research and development firm. Jim earned his Ph.D. in statistics from the University of California, Berkeley, and his M.A. in mathematics from Columbia University. He has taught at a number of schools in California. His mathematical research is in probability and stochastic processes.

Renling Jin, Assistant Professor, recently received a three-year research grant from the National Science Foundation for his project titled "Nonstandard Analysis in Additive Number Theory". Last year, Renling was the recipient of the Ralph E. Powe Junior Faculty Enhancement Award from Oak Ridge Associated Universities. Annalisa Calini, also an Assistant Professor, just completed the third-year of her NSF-funded project titled "Integrable Dynamics of Knotted Vortex Filaments". Herb Silverman was just named Distinguished Professor by the President and Board of Trustees of the College of Charleston. (Submitted by Deanna Caveny)

Davidson College (Davidson, NC)

Our department has expanded with the hiring of Laurie Heyer as a tenure-track Assistant Professor. Laurie completed her doctoral degree in applied mathematics at the University of Colorado in 1998 and comes to

Davidson after a postdoctoral position at the University of Southern California. Laurie's research expertise lies in the area of "computational biology," which she describes as the intersection of mathematics, computer science, and biology. Last spring, John Swallow was granted tenure and promoted to Associate Professor. This summer, he joined Stephen Davis and Ben Klein at the AP Calculus Reading where Stephen was an Alternate-Exam Leader and Ben was on the AP Calculus Test Development Committee. Irl Bivens and Ben Klein continue as the editors of the problem section of the *College Mathematics Journal*; please contribute problems!

Our Bernard Lecturer this fall was Lenore Blum, Distinguished Career Professor of Computer Science at Carnegie Mellon. Our student awards went to senior Margaret Latterner and sophomore William Herring. (Submitted by Richard Neidinger)

Duke University (Durham, NC)

The mathematics department received a NSF VIGRE grant to help increase interaction between undergraduates, graduate students, postdocs and faculty in pure and applied mathematics. Fourteen graduate students and several postdocs now receive full or partial support from this grant. The grant also supports mentored research by undergraduate for six weeks during the summer.

Methods of Modern Physics by Duke professor Michael Reed and Barry Simon of Cal Tech was selected as the "Best Seller of the XXth Century in Mathematical Physics". Published in four volumes during the 1970's, this book was named by the 13th International Conference in Mathematical Physics to be the one with the greatest influence on the field over the previous 100 years.

Martin Nowak, Head of the new Theoretical Biology Program at the Institute for Advanced Study, and Sir Roger Penrose of Oxford University each gave three talks this fall as part of the Gergen Lecture series. (Submitted by David Kraines)

Erskine College (Due West, SC)

Susan Patterson was granted tenure, effective this academic year. (Submitted by Susan Patterson)

Floyd College (Rome, GA)

At Floyd College, three of our part-time (adjunct) instructors have now been employed full-time as Assistant Professors: Walter Cotter, Blanca Gonzalez and Laura Ralston. (Submitted by Jack Sharp)

Furman University (Greenville, SC)

In June Professor Mike Hammett retired after thirty-six years of teaching at Furman. In 1967 he received his Ph.D. degree from Auburn University in differential equations, and through the years he taught virtually all the courses in the mathematics curriculum and several in computer science.

University of Alabama in Huntsville

Mathematical Sciences Department

The Mathematical Sciences Department at the University of Alabama in Huntsville invites applications for the position of Lecturer and Director of the Mathematics Learning Center beginning Fall, 2001. Applicants must possess at least a Master's degree in mathematics, applied mathematics or mathematics education. Evidence of excellent teaching ability and expertise in computer-assisted mathematics curriculum are essential requirements. The position is a twelve-month appointment, and the duties include teaching undergraduate mathematics courses and the supervision of mathematics tutorial services, the calculus workshop, and computer-assisted mathematics program. The position is non-tenure earning. However, it is renewable upon positive annual evaluation. Send a letter of application, vita, transcripts and the names of three references to Chairman, Department of Mathematical Sciences, University of Alabama in Huntsville, Huntsville, AL 35899. Review of applicants will begin February 15, 2001, and will continue until the position is filled. Women and minorities are encouraged to apply. The University of Alabama in Huntsville is an Affirmative Action, Equal Opportunity Institution.

Although officially retired, he will be helping the department by teaching two courses this academic year.

Professors John Poole and Nancy Shell are on sabbatical this year; Nancy is working in Baltimore, John will study in Greenville.

This year the Mathematics Department hired three new assistant professors. John Harris received his Ph.D. in graph theory from Emory University in 1995 and taught for five years at Appalachian State University. As many of you know, John has served the section for several years as the director of Project NExT-SE. Chris Hill received his Ph.D. from the University of Illinois at Urbana-Champaign in analytic number theory in 1998. He taught at Grinnell College for two years before coming to Furman. David Penniston comes to Furman after two years in a postdoctoral position at Pennsylvania State University. In 1998 he received his Ph.D. from the University of Georgia in Number Theory. In addition, Dan Smith joined the department in a tenure-track assistant professor position after a year on a temporary appointment. Dan received his Ph.D. in commutative algebra from the University of Illinois at Urbana-Champaign in 1999.

On October 22, Professor Joel Brawley from Clemson University had dinner with the Furman mathematics faculty and their spouses. After dinner he played his guitar and sang some of his mathematical songs that he had performed at the section meeting at Rhodes in 1999. This year's section lecturer, Professor Andrew Granville, will present a talk on November 29 as part of our colloquium series.

The Clanton Visiting Mathematician in 2000 was Professor Jonathan Borwein from Simon Fraser University. On April 13 he delivered two lectures on experimental mathematics and the uses of technology in mathematics. The Clanton visitor this spring will be Professor Kenneth Ribet from the University of California at Berkeley.

The annual meeting of SERMON (Southeast Regional Meeting on Numbers) will be held at Furman on March 23-25, 2001. The speaker at the mathematics department colloquium preceding the meeting will be Professor Andrew Granville. For further information, contact David Penniston, Mathematics Department, Greenville, SC 29617 or david.penniston@furman.edu (864-294-3635). (Submitted by Robert Fray)

Gainesville College (Gainesville, GA)

Dee Fuller retired after 27 years of service in the math department. Piotr Hebda received tenure and was promoted to associate professor. Our department will host its annual math tournament on April 7, 2001. Information can be found at http://troy.gc.peachnet.edu/www/mathclub. (Submitted by Gina Reed)

Georgia Institute of Technology (Atlanta, GA)

The School of Mathematics at Georgia Tech has hired five new tenure-track faculty over the year, Assistant Professors Saugata Basu, Guillermo Goldsztein, Gerd Mockenhaupt, and Liang Peng and Full Professor

GRADUATE MATHEMATICS AT TENNESSEE TECHNOLOGICAL UNIVERSITY

The Department of Mathematics at Tennessee Technological University offers a 30-semester-hour Master of Science program with emphasis in pure mathematics, applied mathematics, and statistics. One of the strengths of our program is our ability to provide every graduate student with individual attention. We have 18 well qualified graduate faculty with expertise in various fields including: algebra, analysis, differential equations, topology, and pure and applied statistics. A new computer science track within our program will be introduced in the 2001/2002 academic year.

Applicants for admission will need to submit GRE scores, official transcripts, three letters of recommendation, and a statement of interest. Students who have undergraduate degrees in mathematics or in related disciplines are especially encouraged to apply. Please see our web page at `http://math.tntech.edu/`.

Financial aid: We expect to award seven teaching assistantships for the 2001/2002 academic year. The nine-month stipend is $7,500–$10,000. In addition, teaching assistants receive a full tuition and fees waiver. Teaching assistantships are available on a competitive basis.

Graduate students participate in seminars. Teaching assistants are expected to perform duties such as grading written assignments, staffing our mathematics tutoring lab, or teaching classes. Students normally teach during their second year.

The department is equipped with a state-of-the-art computer laboratory and software. The library holdings in mathematics are excellent. Students have online access to MathSciNet and other databases. On-campus housing is available to graduate students and their families. Living expenses in the Cookeville area are among the lowest in the nation. Tennessee Tech is situated in the Upper Cumberland region—a region abundant with state parks, mountains, hiking trails, and waterfalls. The university, with an enrollment of around 8,000, is large enough to offer the advantages of a major university, yet is friendly and safe. It is located only 70 miles east of Nashville and its international airport.

For more information or to request application materials please contact:

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email: `rablamowicz@tntech.edu`

Russell Lyons. Professor Basu works in computational algebraic geometry and Professor Goldsztein in applied mathematics. Professor Lyons research has been primarily in the area of probability.

Dr. Lew Lefton assumed an Academic Professional position as the new Director of Information Technology. Dr. Enid Steinbart accepted an Academic Professional position to serve as the Director of Advisement and Assessment. Professors Daniel Klain and Prasad Tetali were promoted to the rank of Associate Professor and Drs. Donald Estep, Christian Houdré, Shi Jin, Yang Wang, and Yingfei Yi to the rank of Full Professor.

Dr. Dar-Veig Ho, who has been Assistant and Associate Chairman of the School for 22 years retired on July 1, 2000.

The School introduced two new interdisciplinary professional masters degrees, the M.S. degree in Bioinformatics, to be offered jointly by the Schools of Biology, Mathematics, Chemistry and Biochemistry, and Physics, and the College of Computing, and the M.S. degree in Quantitative and Computational Finance, sponsored by the School of Mathematics and Industrial and Systems Engineering, and the Dupree College of Management.

Retired Professor James Herod developed the first entirely web-based version of a Georgia Tech mathematics course which was available in the summer.

The faculty development program this year included faculty members John Eggers, Joseph Fadyn, Renjin Tu, and Donald Young.

Activities included a number of events: the 5th Southeast Probability Days, co-sponsored with the School of Industrial and Systems Engineering; a workshop on Image Processing, Multiresolution Analysis and Statistics, cosponsored with the Center for Signal and Image Processing; a symposium on Quantitative and Computational Finance which was held in conjunction with the new master's degree.

There is a new multidisciplinary program at Georgia Tech that leads to the Master of Science in Quantitative and Computational Finance degree. The academic units participating in this program are the School of Mathematics, the School of Industrial & Systems Engineering, and the DuPree College of Management. The program has been under development for approximately three years, with assistance from the Sloan Foundation; the first class of students entered this Fall 2000 semester. Students draw on the ten new, focused courses that make up the backbone of this program, together with the many other pertinent courses at Georgia Tech. For further information, please go to the MS QCF website at http://www.qcf.gatech.edu, or contact Professor Robert Kertz at kertz@math.gatech.edu or by mail at the School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332.

Ted Hill (Math, Georgia Tech) is spending the Fall Semester as Gauss Professor at the University of Goettingen. On October 27 he delivered a research talk, in German, to the Goettingen Academy of Sciences. (Submitted by Tom Morley)

Georgia Perimeter College (Decatur, GA)

Alice Pierce and Carolyn Spillman were promoted to Assistant Professor and Ann Crowson, Sharon Keener, and Jean Millen to Associate Professor. Dr. Sharon C. Ross retired.

Dr. Virginia Carson, former Department Chair, is Interim Dean of Academic Services at Clarkston Campus. Ray Collings was elected Chair-elect of the S.E. Section for two years and then will be Chair of the Section for two years.

We received Honorable Mention Awards from the National Council of Instructional Administrators 2000 Exemplary Program Competition. In the Developmental Education category GPC won for "Bridging Learning Support Students to Academic Programs: Bridges to Algebra". In the External Partnerships and Collaboration Category we won with the Clarkston Campus Partners in Education, a partnership of Clarkston Mathematics, Computer Science, Engineering Department with Eldridge Miller Elementary School.

The GPC, Team 2 consisting of Eunjoo Bae, Changsoo Im, Srdjan Jovanovic, Dominique Ndongala won First Place Team at the 6th Annual Gainesville Mathematics Tournament, April 15, 2000 at Gainesville College. Also Young G. Yun won First Place Individual at 6th Annual Gainesville Mathematics Tournament, April 15, 2000 at Gainesville College.

The 14th Annual GPC Math Conference with the theme "Making the Most of Your Mathematics Instruction: Finding the Right Mix of Tradition and Reform" is February 9 - 10, 2001.

Authors Mary Ellen Davis (GPC, Clarkston Campus) and C. Henry Edwards (UGA) will publish the book *Elementary Mathematical Modeling* in July 2000. (Submitted by Virginia Parks)

Georgia Southern University (Statesboro, GA)

This has been a busy year for the Department of Mathematics and Computer Science at Georgia Southern University. We moved into our addition in May. This gives us 28 more offices (some even with windows!), a lecture/seminar room, library, two more computer labs, and twelve classrooms.

David Stone, recipient of the 1998 Southeastern Section award for Service to the MAA, received the Georgia Southern University Award for Excellence in Service as well as one from the College of Science and Technology. He received a summer stipend as part of the award and presented "The x, y, and z of Professional Service" at Georgia Southern on September 19.

The 2000 Math Tournament was held February 5. It attracted over 700 students from junior high through high school. The 2001 Tournament will be held February 17. Another notable event this year was the Inaugural Conference on Differential Equations and Computational Mathematics which was held April 1.

As always, we have had many comings and goings this year. Arthur Sparks retired after 36 years of service, including ten years as Department Chair. New additions to the faculty this year are tenure-track Assistant Professors Stephen Damelin, Sze-Man Ngai, Matthew Schuette, Liancheng

Wang, and Yan Wu; Associate Professor of Computer Science Jim Harris; Yamacraw Assistant Professor of Computer Science Thomas Murphy; Temporary Assistant Professor Broderick Oluyede; and Temporary Instructors Lynne Groover, Bridget Holland, and Robert Marsh. In addition, we have two visitors - Billur Kaymakcalen from Turkey and Snejana Hristova from Bulgaria. Karl Peace, who established the Karl E. Peace Endowed Chair for Mathematics, Computer Science and Statistics is joining us this year as a Senior Research Scientist and Coordinator of the Center for Biostatistics.

Promoted to Full Professor were Martha Abell, Yingkang Hu and Lila Roberts. Sharon Barrs and Ellen Fischer were promoted to Assistant Professor. Tenure was awarded to Sharon Taylor and Don Fausett. Cynthia Sikes was named Assistant Department Chair. (Submitted by Patricia B. Humphrey)

Guilford College (Greensboro, NC)

Jill Wiesner completed her doctoral dissertation, "A Boundedly Controlled Finiteness Obstruction", under the supervision of Douglas R. Anderson at Syracuse University and graduated this past May.

Elwood Parker is serving as the Coordinator of the Quantitative Literacy Requirement. This requirement is an aspect of the new curriculum that requires all students to pass a Quantitative Literacy Test designed by Guilford faculty members from various disciplines, or to pass any course offered by the Mathematics Department, or to pass a special Quantitative Literacy course designed and taught by faculty from various disciplines. (Submitted by Rudy Gordh)

Jacksonville State University (Jacksonville, AL)

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

Jason Huffman had a paper, "Noncommutative operational calculus" (with H. Heatherly), accepted by the *Electronic Journal of Differential Equations*. Jeff Dodd had a paper, "Some Combinatorial Questions", accepted by the *Alabama Journal of Mathematics*.

Jeff Dodd accepted the position of MAA State Director for Alabama and Edwin Smith continued to serve as President of the Alabama Association of College Teachers of Mathematics (AACTM).

Audria White has received an Instructional Technology grant from JSU to develop special computer-assisted laboratories for at-risk Intermediate Algebra and College Algebra students.

Finally, we welcome to the department Laurie Edler and David Dempsey, both of whom join us this year on the tenure track as Assistant Professors of Mathematics. (Submitted by Jeff Dodd)

University of North Carolina at Chapel Hill

Graduate Program in Biostatistics

ATTENTION:
Mathematics/Statistics Majors

Overview: The goals of biostatistics are to advance statistical science, and ultimately, by its application, also human health. Biostatistics is a branch of statistics that encompasses biology, the environment as it affects human life, the human population and its health, and services that are provided to meet health needs. Individuals who enjoy the applied aspects of computer science and mathematics and have an interest in health-related issues should explore the field of biostatistics. The Department of Biostatistics prepares students to apply quantitative knowledge to a wide variety of fields related to human health, such as the physical environment, population size and characteristics, patterns of disease and disability, and health service utilization and cost.

Financial Assistance: The department offers research assistantships whose stipends range between $15,060 and $22,279. Other forms of aid include, Graduate School Scholarships and National Institutes of Health Traineeships

Degrees Offered: Master's and Doctoral

Program Concentrations

Biostatistical Methodology, Cancer Research, Cardiovascular Research, Environmental Biostatistics, Aids and Other Infectious Diseases, Demography and Population Studies, Medical Imaging, Statistical Genetics

FOR MORE INFORMATION and APPLICATION MATERIALS, CONTACT OR VISIT US AT:

WEBSITE: www.bios.unc.edu

E-mail: admissions@bios.unc.edu

Office: The Registrar, Department of Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7400

Kennesaw State University (Kennesaw, GA)

After seven years as department chair, Ron Biggers returned to his faculty position. Lewis VanBrackle is Acting Department Chair for the 2000-2001 year.

Pamela Drummond and Chris Schaufele both retired. Marian Fox was awarded tenure and Meghan Burke was awarded tenure and promoted to Associate Professor. Virginia Watson is on a leave of absence for the academic year.

New faculty at Kennesaw this year are Temporary Assistant Professors Dr. Stephen Bell and Dr. David Robinson, and Temporary Instructors Mr. Ronald Hoover, Ms. Susan O'Connor, Ms. Georgia Sang-Baffoe, and Mr. Thomas Womack. (Submitted by Virginia Watson)

LaGrange College (LaGrange, GA)

Greg McClanahan was named the director of the self-study. Carol Yin developed two courses for the elementary and middle school education majors. These courses were developed to meet the new requirements for the state of Georgia for elementary and middle school certification. She is the liaison between the departments of mathematics and education.

William Yin was promoted to associate professor. He did a lot of traveling last year. He was selected to be the Georgia Governor's Teaching Fellow for the year 1999-2000. He completed six three-day workshops in Athens, Georgia last year. He gave a talk at the AMS special session at the University of Notre Dame in April. He received a travel grant from the NSF to participate in the AMS summer meeting at UCLA. He was invited to participate in the Focus Group discussion of The American Mathematical Society's Committee on Meetings and Conferences in D.C. at the annual joint meeting this January. He received the college summer research grant and was granted a one-semester sabbatical from January to May 2001. (Submitted by William and Carol Yin)

Lander University (Greenwood, SC)

New Faculty: Dr. Glen D. Granzow has been appointed Assistant Professor of Mathematics (tenure track) replacing Dr. Walt Patterson. Glen will take over the dual-degree engineering program. Glen has his B.S. and M.S. from the University of New Mexico and his Ph.D. from Northwestern University.

Tenure: Dr. Chaz Schlindwein, Assistant Professor of Mathematics and Computer Science, has been granted tenure.

Promotions: Dr. Joseph D. Sloan had been promoted to Professor of Mathematics and Computer Science. Dr. Andre Lubecke has been promoted to Professor of Mathematics.

Honors: Professor Joseph D. Sloan was selected as the 1999-2000 Distinguished Professor at Lander University. Following a tradition he was the guest speaker at the opening Fall Convocation. His talk was titled “The Challenges Technology Holds for Higher Education.”

Grants: Professor Joe Sloan received an NSF grant for his research titled "Extension and Curriculum Development for Remotely Accessible Networking Laboratories." Prof. Chaz Schlindwein has a grant allowing him to attempt to establish a weaker sufficient condition to make the continuum hypothesis be true in a forcing extension.

Retirements: Walt Patterson, Professor of Mathematics, retired on 1 July 2000. He is now Professor Emeritus and continues to serve as advisor to the student chapter of the MAA. Walt taught a great variety of mathematics courses over the years in addition to setting up the Honors International Program and directing the very successful Dual Degree Engineering Program with Clemson for 20 years. He plans to remain active in mathematics and particularly in the MAA and the Southeastern Section.

Coach: Joe Cabri, Associate Professor of Mathematics, has once again coached his men's tennis team to the National Championship (NCAA, Div II). This, his eighth consecutive national championship, breaking the NCAA record of seven consecutive national championships held by Southern Illinois University at Edwardsville. (No doubt this sets a new world record for math professors!) (Submitted by Walt Patterson)

Mercer University (Macon, GA)

Two long-term members of the Mathematics Department retired at the end of academic year 1999-2000. Dr. Gerry Norwood who came to Mercer in 1973 is looking forward to spending more time playing cards; Emory Whitaker, who came to Mercer in 1970, expects to do more traveling and act in more amateur theatrical productions.

There are five new faculty members joining us this fall. Gloria Bass, M.Ed., Georgia College and State University, who had previously taught a few courses as an adjunct and whose bachelor's degree is from Mercer, is now a visiting instructor. Jeff Denny, Ph.D., Florida State University, applied mathematics, joins us as an assistant professor. Jeff is a Project NExT fellow this year. His wife, Lynn, graduated from Mercer's Medical School. David Mitra, Ph.D., University of South Carolina, functional analysis, is a visiting assistant professor. Lynn Weathers, M.S., Auburn University, is a visiting instructor. Tony Weathers, Ph.D., Auburn University, partial differential equations, is an assistant professor. Tony is a Mercer alumnus. After finishing his graduate work, he served a term as an officer in the U.S. Army before deciding to return to his alma mater to teach.

Dr. Hope McIlwain, together with colleagues from Biology and Engineering, led the MESSAGE Camp for sixth grade girls and the Mercer TECH Camp for seventh-grade girls and boys. Both camps were designed to encourage participants to consider careers in math, science, and engineering and were supported by grants from the Association of University Women and the Honda Foundation.

Dr. Curtis Herink organized the NSF-CBMS Regional Conference in Mathematics, "The Existence and Non-Existence of Periodic Orbits in Smooth Dynamical Systems," held on the Mercer campus in July.

The sixteenth annual Mercer University High School Mathematics Competition will be held November 11, 2000. (Submitted by Curtis D. Herink)

Meredith College (Raleigh, NC)

Dr. Rosalind Reichard (Mathematics) was appointed Vice President for Academic Affairs in February of 1999. She will teach a mathematics course in the Spring semester of 2001. Jennifer Hontz (Ph.D. NCSU) was appointed Assistant Professor in Mathematics for the 2000-2001 academic year. We will be searching for one and perhaps two tenure-track positions in mathematics for fall 2001. Look for our ad in Focus.

At the MAA NC dinner meeting at Meredith College on November 11, 1999, Robert Bryant, J.M. Kreps Professor of Mathematics at Duke University, spoke on "Geometry, Old and New: FromEuclid to String Theory." Last September, over five hundred people attended a National Council of Teachers of Mathematics symposium at Meredith College on the Principles and Standards for School Mathematics.

The NCCTM elected Senior Rachel Langley as the Outstanding Mathematics Education Student of the Eastern Region.

Last July, two enhancement programs in mathematics and computing for young women were held on the Meredith campus. Math Week at Meredith, a residential program for rising high school sophomores, was led by Virginia Knight and Marilyn Schiermeier of Meredith College and Jo-Ann Cohen of NCSU. "Girls on Track" is a three-year NSF supported project aimed at increasing middle grade girls interest in math related careers by engaging them in computer based mathematical explorations of urban and community problems. (Submitted by Vivian Y. Kraines)

Nashville State Technical Institute (Nashville, TN)

Sondra Roddy and Derek Smith have been appointed as Instructors in mathematics at Nashville State Technical Institute. Ms. Roddy received her Master of Mathematics from the University of South Carolina, and Mr. Smith received his Master of Science in Mathematics from the University of Tennessee. (Submitted by Charlie McSurdy)

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

Dr. Shea Burns, whose Ph.D. is from Howard University in the area of topological semigroups, was appointed to the position of Assistant Professor, beginning Fall semester 2000. Ms. Michelle Massey, with an M.S. in Mathematics Education from North Carolina A&T State University, was appointed to the position of Visiting Lecturer, beginning Fall 2000. Dr. Paramanathan Varatharajah was tenured and promoted to the rank of Associate Professor effective July 1, 2000. Dr. Mingxiang Chen was tenured effective July 1, 2000.

Dr. Alexandra Kurepa organized the Math Awareness Day, April 6, 2000, which consisted mostly of talks by graduate and undergraduate students

THE UNIVERSITY OF GEORGIA

Graduate Studies in Statistics

History: The University of Georgia, the first chartered state university in the United States, was founded in 1785. It contains thirteen schools and colleges. The main part of the campus covers 3,500 acres, while additional experimental stations and auxiliary land encompasses over 40,000 acres. The University operates its own transit service.

Degree Programs: Ph.D. in Statistics - The Doctor of Philosophy degree in statistics is a research degree with unusual flexibility designed to prepare students to work on the frontiers in many different disciplines of statistics. This program prepares students for careers in research and teaching as well as for leadership roles in industry, business, and government, where statistical methodology and unusual statistical applications are required.

M.S. in Statistics - Two options are available in the M.S. Program. The Applied Statistics Option is designed for students seeking careers as statisticians in government and industry. The Mathematical Statistics Option is designed for students with a theoretical interest and serves as an entry into the Ph.D. program. Theses and non-theses options are available in both program.

Financial Support: Graduate Assitantships are available with stipends ranging from $11,500 to 12,900 per academic year. For students holding graduate assitantships, tuition is waived. Students may also be eligible for University Assistantships and a limited number of research assistantships are available.

Research and Computing Facilities: The Department has its own computer network of fifty SUN workstations and thirty supermicrocomputers. The Department's network servers are a SUN Enterprise 4000 and a SUN SPARC 20. Two labs containing SUN workstations and PC microcomputers provide the user with the versatility of in-house computing or connection to the University Computer Center's computer systems and to the Internet. The Department also has three computerized classrooms containing hundered networked Pentium PC's.

The University Computer Center has an IBM 3080, a CDC 845 and a cluster of ten IBM/6000 workstations plus a cluster of three RS/6000's for parallel processing.

The Science Library has a very strong collection in the mathematical sciences and subscribes to all the major statistics journals.

Further Information: Prof. JaxkReeves, Graduate Coordinator, Department of Statistics, University of Georgia, Athens, GA 30602-1952
Electronic Mail: jaxk@stat.uga.edu
World Wide Web: http://www.stat.uga.edu

form North Carolina A&T State University and Wake Forest University. The featured speaker was Dr. Karen Norwood from North Carolina State University in Raleigh, NC. In addition Dr. Kurepa received a grant from the Association for Women in Mathematics and National Security Agency to organize The Sonia Kovalevsky Math Day at NCA&T on November 2, 2000. Finally, Dr. Kurepa was invited to visit The Peking University in Beijing, China, October 23-29, 1999, and gave a pair of lectures on her research to the faculty and graduate students of the Math Department. The lectures were on Dirichlet problems involving critical exponents.

On April 13, 2000 the Math department once again hosted high school students participating in the state high school math contest. NCA&TSU is a regional site. Dr. Gilbert Casterlow coordinates the effort, which was the seventeenth annual contest. Assistance comes from the NCA&T chapter of Pi Mu Epsilon, and faculty volunteers. The effort is jointly sponsored by the NCA&TSU Math Department, Pi Mu Epsilon, and GAMSEC (Greensboro Area Mathematics and Science Education Center). (Submitted by Janis M. Oldham)

North Carolina State University (Raleigh, NC)

Retired June 30, 2000: Joe Marlin (after 36 years of service). Promoted July 1, 2000: Aloysius Helminck to Professor, Hoon Hong to Professor, William McEneaney to Associate Professor, and Sandra Paur to Associate Professor.

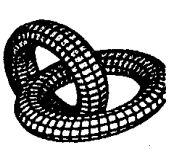
For the past five years, John Griggs has served as the Math Department's Coordinator of Classroom Instruction. He assigns the teaching of undergraduate courses to faculty members and teacher assistants and helps individual students with scheduling problems. For five years prior to that, he worked as a math instructor here at N.C. State. He received his Ph.D. in Mathematics Education this fall, and hopes to become involved in "the inner workings of local education," possibly even the Wake County School Board, in years to come. (Submitted by Joanna Jones)

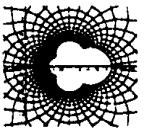
Pellissippi State Technical Community College(Knoxville, TN)

There are nine new math faculty members at Pellissippi State this fall. They are: Rebecca Blackwell, M.Ed., University of South Carolina; Ashley Boone, MA , Appalachian State University; Tony Crossland, MA, University of Alabama; Margaret Moss, MA, Appalachian State University; Barbara Owens, MS in Statistics, University of Tennessee, Nancy Pevey, MS, University of South Carolina, Jonathan Prewett, MS, University of Idaho; Linda Streebeck, MS, University of Tennessee; Julia Watts, MS, Tennessee Technological University.

Judy Ahrens received a $216,000 NSF grant for scholarships, faculty mentoring, and professional mentoring for students majoring in mathematics, computer science, engineering or related technologies. The program targets talented, low income students and students in under-represented populations.

Rosalyn Tillman and Glenda Taylor have been appointed assistant





Graduate Programs

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

The Department

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

Financial Assistance

• A limited number of University Graduate Fellowships of minimum $11,000 for 9 months are available for **new students** starting Fall 2000. They carry a tuition waiver and no service for the department is required. Funds can be supplemented with partial Teaching Assistantship.

• Teaching Assistantships with minimum of $11,000 for 9 months with tuition waiver are available. Students holding these awards perform instructional duties for the Department. Summer Teaching Assistantships are also available.

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

The University and Tampa

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

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

deans of the Magnolia Avenue and Blount County campuses, respectively. Caroline Best is the new program coordinator for remedial/developmental math. (Submitted by Catherine Williams)

Presbyterian College (Clinton, SC)

Last fall while on sabbatical, Brian Beasley attended a number theory class at the University of South Carolina. He also completed work on a paper, co-authored with Michael Filaseta, on "A distribution problem for powerfree values of irreducible polynomials" (to appear). Last spring, Joel Jones also went on sabbatical.

The Student Chapter has been active. In the fall, we had a potluck dinner and showed the video, "The Proof," a Nova special on the proof of Fermat's Last Theorem. In the spring, we held the 3rd Annual Presbyterian College Mathematics Contest and pizza party for PC students. Chris Wonderly won the competition. (Submitted by Greg Goeckel)

Southern Polytechnic State University (Marietta, Georgia)

Professor John Gordon was promoted to Professor of Mathematics.

Professor Meighan Dillon received one of three campus-wide Outstanding Faculty Awards; the University's Teacher of the Year is selected fromthose receiving this award, and Professor Dillon was chosen as this year's recipient. In this capacity, she will give a special lecture to the campus and community in the Spring of 2001.

Professor Steve Edwards received an SPSU Faculty Development and Scholarship grant to continue work on a tiling website.

Professor Kathleen Hall received a 25-year membership pin from the MAA.

Professors Joe Fadyn and Don Young are participating in the Georgia Institute of Technology Faculty Development Program for the 2000-2001 academic year. (Submitted by Kathleen Hall)

Spring Hill College (Mobile, AL)

Dr. Daniel S. Cyphert has stepped down, after nine years, from chairing the Mathematics Department. He plans to use his "free time" to prepare for publication his results in Minimal Time Trajectories in Vector Interactive Fields. He also has a paper, co-authored with Dr. Edward A. Salter, entitled "Interacting Particles in a 1-Dimensional Well", accepted for publication by the *American Journal of Physics*. Dr. Charles Cheney is the new chair of the department. He will deliver a lecture, in the college's Faculty Friday Lecture Series, entitled "Mathematics and the Decline of the West: The Role of Number in Oswald Spengler's Theory of History".

Ms. Jeanne Monroe attended the Chautauqua short course, "The Impact of Computer Algebra Systems and the Teaching and Learning of Mathematics". She also rides her bike, "miles for dollars", to obtain financial support for charitable organizations. (Submitted by Daniel S. Cyphert)

Tennessee Technological University (Cookeville, TN)

At the end of the 1999-2000 academic year, Dr. S.A. Patil retired after thirty four years of teaching. During summer 2000, Dr. Allan Mills was awarded tenure and promotion to the rank of associate professor. Dr. Ferenc Fodor, Dr. Shubhada Mahajan, Dr. David Butler, and Mrs. Sharon Glenn were hired for the 2000-2001 academic year. Dr. Annie Selden returned from her leave of absence at the Arizona State University in Tempe. Dr. Andrzej Gutek was awarded a Fulbright Scholarship for the 2000-2001 academic year and will be teaching mathematics at the University of Yaounde, Cameroon. Dr. Michael Breen is on leave for the 2000-2001 year working for MAA. Mrs. Mamie Goulet, Departmental Secretary, retired after thirty-one years of service. The Department hired Mrs. Amy Knox in her place. Mrs. Vickie Mayberry, our second Departmental Secretary, was promoted to Secretary III.

The Department has participated in a successful NSF proposal which has allowed the University to fund forty scholarships to computer science, engineering, and mathematics students. For more information see http://www.math.tntech.edu/CSEM.html.

In November 1999, the Department hosted the annual meeting of the Tennessee Council of College Chairs of Mathematics (TCCCM). The Council recently became involved in a common rubrics initiative undertaken by TBR.

The Dolzycki Scholarship Fund became endowed in January 2000 thanks to considerable efforts of faculty and administration. The Fund will provide small scholarships to graduate students. The Volpe Scholarship was awarded to Melisa Whiteaker, the S.A. Patil Award was awarded to Danyel Bruggink, and the Moorman Award went to Christiane Potratz.

During spring 2000, the Department sponsored the 5th Annual Undergraduate Data Analysis Contest, coordinated by Dr. Michael Allen, and the Mathematics Contest, organized by Mrs. Frances Crawford.

During summer 2002 the Department will host the 6th International Conference on Clifford Algebras and their Applications in Mathematical Physics. It is being organized by Dr. John Ryan, University of Arkansas, and Dr. Rafal Ablamowicz, Tennessee Tech. The conference will be devoted to mathematical aspects of Clifford algebras, their old and new applications to mathematical physics, Clifford analysis, and applications of these algebras in robotics, neural networks, computer vision, etc. It is expected that about 150 mathematicians, physicists, engineers, computer scientists, and graduate students will attend this conference in 2002. For more information please visit http://math.tntech.edu/rafal/cookeville/cookeville.html. The most recent conference in this series took place in Ixtapa, Mexico, in 1999. For topics, speakers, and information about two conference volumes edited by R. Ablamowicz, B. Fauser, J. Ryan, and W. Sproessig and published recently by Birkhauser, Boston, please visit http://math.tntech.edu/rafal/mexico/mexico.html.

Although we have not introduced any new degrees, the Department has recently received university approval to offer two new graduate level courses: one in the theory of computations, and, one in the mathematical

aspects of graphics and modeling. Together with an advanced topics course in software engineering, this will allow us to add two new graduate sequences to our list of sequences available to our master students. Our intention is to offer a computer science-track in our Master's program.

During the 1999-2000 year the Department received its seventh graduate stipend. Four graduate students (Bilgili, Howard, Hrynkiv, Menees-Smyth) graduated in May 2000. The Department has continued to publish its "Technical Reports" intended for pre-publication of professional articles written by mathematics faculty and graduate students. A number of Reports have appeared and they are now all available for downloading from http://www.math.tntech.edu/techreports/techreports.html.

Thanks to Dr. Allan Mills, our Mathematics Club has continued to be active with many lectures, video showings, and invited speakers. Closer collaboration with the Kappa Mu Epsilon Honorary Society has been established, and more is planned to be done next year. Dr. Michael Allen has become the Corresponding Secretary for KME.

Dr. Annie Selden has assumed responsibilities of the Graduate Student Advisor for the 2000-2001 academic. As in the past years, the Graduate Advisor coordinates our Graduate Seminar series. For more information about our seminars please visit http://www.math.tntech.edu/seminar.html. (Submitted by Rafal Ablamowicz)

Trevecca Nazarene University (Nashville, TN)

Professor Steve Blakeman is on half load Sabbatical during this academic year and is working on his dissertation. (Submitted by Larry Buess)

University of Georgia (Athens, GA)

New faculty at Georgia this year are: Jason Cantarella (Assistant Professor, Differential Geometry), Aaron Abrams (Franklin Fellow Postdoc, Topology), Markus Hunziker (Postdoc, Number Theory), James Solazzo (Postdoc, Operator Theory) , and Yazar Sozen (Postdoc, Topology).

Four faculty retired this year: Doug Clark, John Hollingsworth, Carol Penney, and David Penney.

We're lucky to have many talented undergraduate students, so many that we couldn't pick a single winner for our most important undergraduate award. Thus the Charles Strahan Award for Outstanding Junior math major was shared by: Kerouac Cleary, Christopher Gill, Mary Beth Miles, Rolf Ryham, and Ben Zipperer.

Two graduate students also garnered awards. The William Armor Willis Memorial Scholarship went to Daniele Arcara, and Heunggi Park received The B. J. Ball Scholarship.

The MAA Award for Distinguished Teaching of University Mathematics went to UGA's Ted Shifrin.

Upcoming activities in the Department include: Southeastern Analysis Meeting, March 2-3, 2001; Cantrell Lecture, featuring Karen Uhlenbeck, Spring 2001; and the Georgia Topology Conference, May 20 -

June 2, 2001. (Submitted by Mo Hendon)

The University of Montevallo (Montevallo, AL)

Terri Contenza has joined our faculty. Terri received her doctorate from the University of Kentucky in August and, along with her considerable expertise, has also added an additional bit of levity to our department. (Submitted by Gene Garza)

University of North Carolina at Asheville (Asheville, NC)

Samuel Kaplan enjoyed a successful first year at UNCA. His many accomplishments include publishing an article in the *Mathematics Magazine*. Sam came to UNCA after a three year visiting position at Bowdoin College in Maine. His Ph.D. is from Boston University and his B.S. is from the University of North Carolina. David Schenck has joined our faculty as a Visiting Assistant Professor filling in for Elizabeth Allman who is on leave. David earned his Ph.D. at Virginia Polytechnic Institute and most recently taught at Georgia Southern University. Steve Patch continues as director of the Environmental Quality Institute at UNCA. David Peifer was promoted to associate professor. David will be on leave spring semester studying braid groups. (Submitted by Dave Peifer)

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

Our department has made a significant shift in direction in the last five years by developing a strong applied mathematics group, which now includes eight faculty. The most recent additions to the applied group are Jingfang Huang (Ph.D. Courant Institute 1997, previously at MIT), Kenneth McLaughlin (Ph.D. Courant Institute 1994, previously at Arizona), David Cai (Ph.D. Northwestern 1994, previously at Courant). Another new faculty member this fall is Lev Rozansky (Ph.D. Northwestern 1991, previously at Yale) who works in math and theoretical physics.

Professor David Adalsteinsson (applied math) has been awarded a Sloan Fellowship. Ivan Cherednik has been named Austin H. Carr Distinguished Professor of Mathematics. Professor Norberto Kerzman received an Outstanding Faculty Award from the Class of 2000, the General Alumni Association, and the Division of Student Affairs.

Prof. Greg Forest (applied math) gave plenary addresses at the IMACS Symposium in Athens, Georgia, and the SIAM Workshop on Dynamical Systems in Snowbird, Utah, as well as an hour address at the Mathematical Sciences Institute Workshop in Berkeley. Professor Jane Hawkins was a main lecturer at the George Washington University Summer Program for Women in Mathematics. Professor Karl Petersen was a main speaker at the Newton Institute-University of Warwick Workshop on the Ergodic Theory of Z^n Actions. Ernest Eliel Professor Alexander Varchenko presented the three Moursund Lectures at the University of Oregon, a series of three lectures in Durham, England, and a series of two lectures in Bariloche, Argentina.

The Department's Colloquium series brought in the following distinguished lecturers: George Andrews (Penn. State), Peter Bates (Brigham Young), Arnaud Beauville (ENS Paris), Ken Davidson (Waterloo), Pavel Etingof (MIT), Philip Griffiths (Institute for Advanced Study), Alberto Grunbaum (Berkeley), Mikhail Kapranov (Northwestern), Tom Kriete (Virginia), Vladimir Zakharov (Landau Institute and U. of Arizona), Duong Phong (Columbia), and Frank Sottile (Wisconsin). In addition, the applied mathematics group had a distinguished and extensive series of visiting speakers. Bertram Kostant (Prof. at MIT), presented the 2000 Brauer Lectures titled "On Laguerre Polynomials, Bessel Functions, Hankel Transform, and a Series in the Unitary Dual of the Simply-Connected Covering Group of Sl(2, R)". Professor Kostant, a world-famous expert on Lie theory and group representations, explained how judicious choices of representations of certain groups give rise to and unify many of the special functions of classical analysis together with new ones that are needed for understanding complicated phenomena such as those occurring in modern physics. (Submitted by Ladnor Geissinger)

University of North Carolina - Greensboro (Greensboro, NC)

After fourteen years of service as department head, Dr. Paul Duvall has returned to full time teaching and research. Dr. Duvall is on sabbatical this academic year at the National Security Agency in Ft. Meade, Maryland, where he has been a mathematical consultant for over two decades. He recently received a letter of commendation from the National Security Agency, commending him for "his commitment to bring the full power of modern mathematics to bear on problems of critical importance to our nation." The Director of the National Security Agency and Chief of the Central Security Service states that Dr. Duvall played a central role in the solution of a problem which was "widely believed to be completely intractable" and that the solution "will have a dramatic impact on our signals intelligence mission for many years."

Dr. Grace Kissling is serving as interim department head during this academic year. Dr. Francine Blanchet-Sadri is on sabbatical fall semester 2000. Dr. Richard Fabiano spent spring semester 2000 on sabbatical at Iowa State University. Dr. Richard Fabiano has been promoted to associate professor and Dr. Bruce Landman has been promoted to professor.

Dr. Bruce Landman is organizing the Fourth Regional Mini-Conference in Combinatorics and Graph Theory, to be held November 10-11, 2000 at UNCG. Dr. Landman has been invited to present a talk as part of the Special Session in Combinatorics and Graph Theory at the 2001 Southeastern Section Meeting of the American Mathematical Society. He is now the Managing Editor of *Integers: Electronic Journal of Combinatorial Number Theory*, a new all-electronic research journal (www.integers-ejcnt.org).

Dr. Jerry Vaughan attended the annual Spring General Topology and Dynamic Systems Conference at the University of Texas at San Antonio, March 16-19, 2000. He presented a series of lectures at the Department of

Mathematics, Auckland University, Auckland, New Zealand, August 7-16, 2000. Dr. Vaughan presented an invited paper at the Special Session on Set Theory and Set-Theoretic Topology in America Mathematical Society Fall Central Section Meeting at the University of Toronto, Toronto, ON., Canada.

Dr. Francine Blanchet-Sadri is on leave this semester. Her leave relates to combinatorics on words. She gave a talk at Laboratoire d'Informatique Theorique et de Programmation of University Paris VII on October 13. Her talk was on combinatorics on partial words, a special class of words that finds applications in molecular biology. Paris VII is known as the most prestigious research center for that type of research. Back at home, Dr. Blanchet-Sadri is working on the solution of a 25 year old problem of utmost importance in words, called the dot-depth two hierarchy decidability problem. The technique she is using is the very powerful Ehrenfeucht-Fraisse game technique. (Submitted by Linda Kilgariff)

University of North Carolina - Wilmington (Wilmington, NC)

Dr. Wei Feng, after serving as Acting Chair for one semester, has been chosen for a four-year term as Chair of the Department of Mathematics and Statistics at the University of North Carolina at Wilmington. Dr. Feng first came to UNCW in 1988 after receiving her Ph.D. in Mathematics from North Carolina State University.

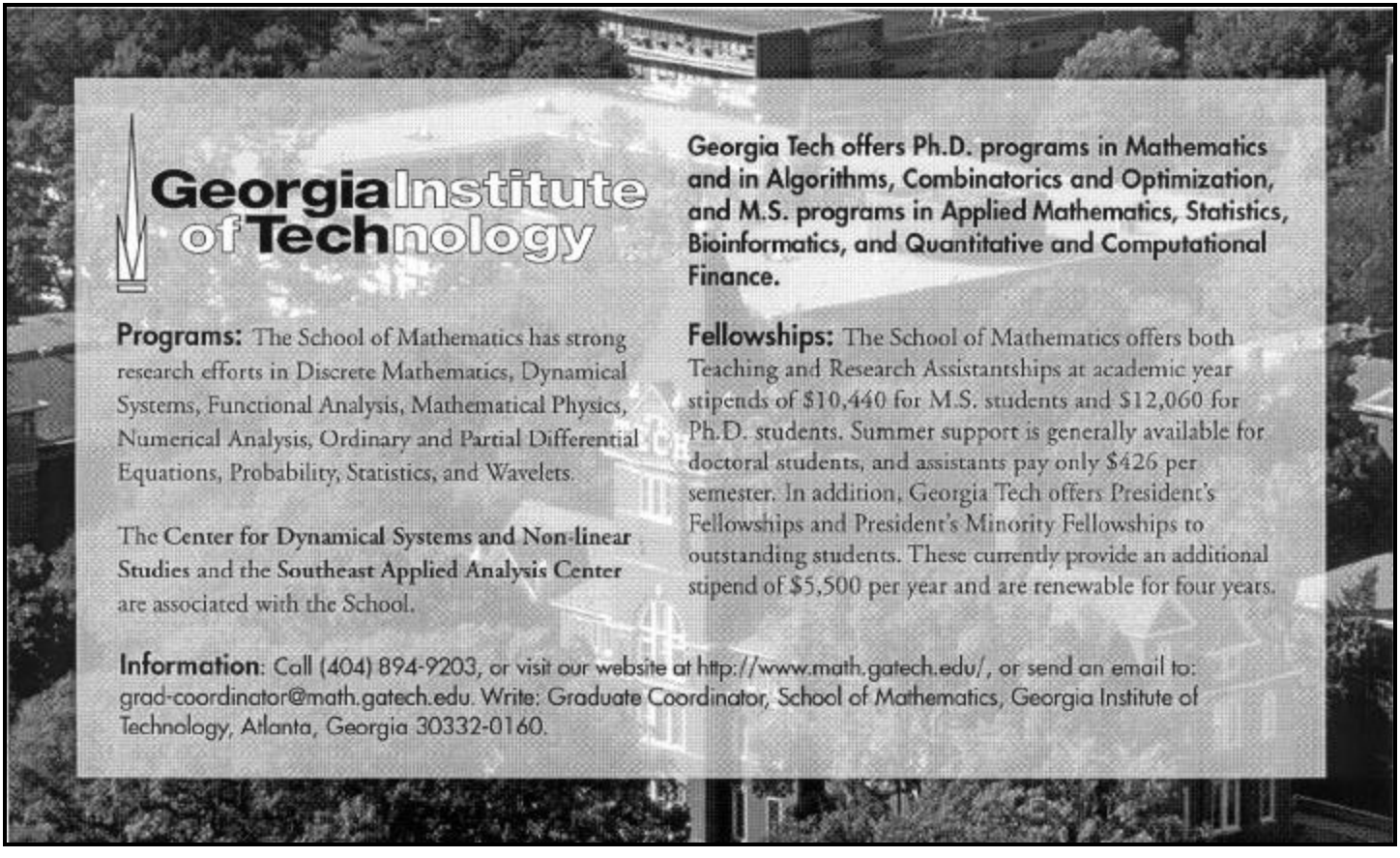
New Faculty include James Blum, Oklahoma State University, Ph.D. in Statistics (2000); Michael Freeze, University of North Carolina, Ph.D. in Algebra (1999); and Daniel Guo, Indiana University, Ph.D. in Applied Mathematics (1999), who is returning to UNCW after a one year leave of absence at the Oak Ridge National Laboratories.

Drs. Russell Herman and Gabriel Lugo are co-investigators of a $1.1 million grant funded by the National Science Foundation entitled "A Digital Library of Reusable Science and Math Resources for Undergraduate Education". This interdepartmental, inter-institutional project will create a digital library with content in chemistry, biology, mathematics, physics, and computer science. The library content will range from individual images to animations to video clips to complete instructional modules. An important task of the project will be to develop guidelines for reviewing content submitted for inclusion in the library by other institutions and evaluate patterns of use of the library. The goal of the project is that within two years the digital library will not only be a powerful tool for faculty who are developing digital course materials, but will also be an active test bed in which various questions concerning the design of effective digital libraries are being addressed.

Drs. Barbara Greim and Fletcher Norris retired this year from the Department of Computer Science, which until recently was part of the combined Department of Mathematical Sciences at UNCW. (Submitted by Dargan Frierson)

The University of South Alabama (Mobile, AL)

The Department of Mathematics and Statistics is pleased to welcome


Georgia Institute of Technology
Georgia Tech offers Ph.D. programs in Mathematics and in Algorithms, Combinatorics and Optimization, and M.S. programs in Applied Mathematics, Statistics, Bioinformatics, and Quantitative and Computational Finance.
Programs: The School of Mathematics has strong research efforts in Discrete Mathematics, Dynamical Systems, Functional Analysis, Mathematical Physics, Numerical Analysis, Ordinary and Partial Differential Equations, Probability, Statistics, and Wavelets.
The Center for Dynamical Systems and Non-linear Studies and the Southeast Applied Analysis Center are associated with the School.
Fellowships: The School of Mathematics offers both Teaching and Research Assistantships at academic year stipends of $10,440 for M.S. students and $12,060 for Ph.D. students. Summer support is generally available for doctoral students, and assistants pay only $426 per semester. In addition, Georgia Tech offers President's Fellowships and President's Minority Fellowships to outstanding students. These currently provide an additional stipend of $5,500 per year and are renewable for four years.
Information: Call (404) 894-9203, or visit our website at http://www.math.gatech.edu/, or send an email to: grad-coordinator@math.gatech.edu. Write: Graduate Coordinator, School of Mathematics, Georgia Institute of Technology, Atlanta, Georgia 30332-0160.

Frank Jellett to our faculty. His appointment is for one year at the Assistant Professor level during which time he will be partially filling the teaching gap left by three of our faculty who are on sabbaticals. Frank received his Ph.D. from Oxford University in 1968 and has had a long and successful career in both mathematics and teaching. The Department feels fortunate to have such a high-caliber replacement.

John LeDuc, Associate Professor of Secondary Education and Mathematics, retired after ten very productive years at the University. John began his second career at the University after early retirement from Eastern Illinois University in 1990. He is responsible for transforming a weak secondary education program in mathematics into one of the strongest in the state. Although his primary appointment was in the College of Education, John regularly taught courses for our Department. He will be sorely missed!

Congratulations are in order for Dulal Bhamik who was promoted to Professor of Statistics. Congratulations are also due recent retiree Richard Vinson for being awarded the Emeritus Professor of Mathematics designation.

Jose Barrionuevo, Dan Silver, and Susan Williams are on sabbatical leaves for the academic year. Jose is at the Department of Mathematics of Universidade Federal RS in Brasil doing research in harmonic analysis and related fields. Dan and Susan are at the University of Maryland doing joint research investigating how to apply techniques of symbolic dynamics to geometric topology and knot theory.

The Department hosted the very successful Sixth International Conference on Statistics, Combinatorics, and Related Areas Forum for Interdisciplinary Mathematics held December 18-20, 1999. There were 185 presentations, 200 in attendance, and 31 countries represented at this prestigious conference. The Department also hosted G-Cubed 2000, a mathematics conference in geometric group theory, held March 4-5, 2000. There were 11 presentations and 20 in attendance at this conference. (Submitted by Fred Dodd)

University of Tennessee at Chattanooga (Chattanooga, TN)

Dr. John Graef was hired as department head from Mississippi State University, and began at UTC in August, 1999. Dr. Yongzhi (Steve) Xu was promoted to Professor.

Dr. Betsy Darken is creating a text for future elementary and middle school teachers based on the findings of the Third International Mathematics and Science Study (TIMSS) and of Liping Ma, who conducted a comparative research study of teachers in China and the United States. Results of a pilot study indicate that these materials are successful in deepening the mathematical understanding of students who tend to be weak in mathematics.

UTC will host a regional meeting of the American Mathematical Society, October 5-6, 2001. If you wish to organize a special session please contact Dr. John Bryant (bryant@math.fsu.edu). Please look for additional information in upcoming Notices of the AMS. (Submitted by Stephen Kuhn)

University of Tennessee at Knoxville (Knoxville, TN)

The mathematics department added five tenure-track assistant professors this fall. Xia Chen, who received his Ph.D. degree from Case Western Reserve in 1997, is in probability theory and was on a post-doctoral appointment at Northwestern University. Reid Davis, who received his Ph.D. from UTK in 1991, is in combinatorics and fills our first outreach position. Jerry Dwyer, who completed his Ph.D. degree at the National University of Ireland in 1986, is in mathematics education and fills our second outreach position. Yasuyuki Kachi, who received his Ph.D. degree from the University of Tokyo in 1997, is in algebraic geometry. Pavlos Tzermias, who completed his Ph.D. degree at the University of California at Berkeley, has research areas of number theory and arithmetical algebraic geometry and was a visiting fellow at the Max-Plank Institute.

Ed Clark retired last May after 29 years at UTK. He was active in many areas of endeavors of the department and the university as well as the SES of MAA. He will be missed. Bo Guam was promoted to associate professor in July of 2000. Faculty members on leave during this academic year include: David Dobbs (fall), who is visiting researchers in US and Europe; Xiaobing Feng (fall); Bob McConnel (fall); Stefan Richter (academic year), who is visiting Lund University in Sweden; Jan Rosinski (academic year), who is visiting a number of research centers throughout the world; Balram Rajput (spring), who is visiting researchers in India.

Three faculty accepted new positions: Nick Alikakos at the University of Athens, Greece; Mark Kot at the University of Washington; Debra Polignone at James Madison University.

Our visiting faculty this year include Sergei Avdonin of St. Petersburg University in Russia, who is collaborating with Suzanne Lenhart in PDE's and control theory, and Ted Katsaounis of the University of Crete, who is working with Ohannes Karakashian in applied mathematics.

Klaus Johannson has been appointed associate head for graduate studies replacing Jan Rosinski.

On Oct. 26, the mathematics department will conduct the second Tennessee Mathematics Contest, a statewide math contest for high school students in Tennessee. Four-year tuition scholarships will be awarded to the top 10 scorers in the individual portion of the contest.

A research Experience for Undergraduates will be held at UTK during the summer of 2001. (Submitted by Bob McConnel)

University of the South (Sewanee, TN)

Edwin Gerber, who majored in mathematics and chemistry, was valedictorian of the Class of 2000 and is now at Princeton University in Applied and Computational Mathematics. Two of his classmates in computer science, Katharina Probst and Elena Eneva, are now in graduate school at Carnegie-Mellon and William Duncan, another computer science major, is studying information systems at UT Knoxville.

Sewanee's new vice-chancellor is Joel Cunningham, former president

of Susquehanna College, who received his Ph.D. in mathematics at the University of Oregon. Our department is happy to have Joel and his wife Trudy, who also has a degree in mathematics. Each will offer a course for us this spring. In January we look forward to welcoming Lucia Dale as a permanent member of our department. Lucia just received her Ph.D. in computer science from Texas A&M University, specializing in motion planning (with applications to robotics) and in parallel computation.

Marcia Clarkson and Linda Bright Lankewicz journeyed to India this summer to teach computer science at Bishop Moore College, whose students have been on-line with ours in a distance-learning course connecting Kerala and Sewanee. Linda presented a paper on anomaly detection to the Tulane Engineering Forum in September.

Several of Sherwood Ebey's former students returned to Sewanee last spring to mark Sherwood's retirement. Max Morris, a statistician at Oak Ridge who has collaborated with Sherwood in the past, gave the Annual Mathematics Lecture on that occasion; Weina Jiang, Class of '95, also gave a talk in Sherwood's honor. Chris Hammond, Class of '98, gave the Annual Homecoming lecture this fall, speaking on Bloch spaces. (Submitted by William Priestley)

The University of West Alabama (Livingston, AL)

Thomas Gonzalez, Ph.D., Auburn University, 1999 was hired as a new assistant professor. Barry Monk, A.B.D., University of Alabama, was hired as a visiting assistant professor. He presented a talk at the Alabama Council of Teachers of Mathematics meeting held November 3-4 in Montgomery, Alabama.

The University of West Alabama will host the annual meeting of the Alabama Association of College Teachers of Mathematics on February 16-17, 2001. The University of West Alabama will host the annual High School Mathematics Contest on January 27, 2001.

Hazel Truelove is Lecturer/Director of Developmental Mathematics, which is going to full self-paced computer-based operations starting in Fall 2001.

Roni-Starr Keahey was awarded a graduate assistantship. Kathy Bullock has been hired as half-time secretary. (Submitted by Thomas E. Gonzalez)

Wake Forest University (Winston-Salem, NC)

As of July 1, 2000 the Department of Mathematics and Computer Science has become two separate departments: the Department of Mathematics, and the Department of Computer Science.

We have the following new faculty: Ken Berenhaut (University of Georgia), Doug Chatham (University of Tennessee, Knoxville), and Doug Daniel (University of Tennessee, Knoxville).

For the Spring of 2001 Ed Allen will be on a research leave at the University of California, San Diego. (Submitted by Ellen Kirkman)

EMORY UNIVERSITY

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

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

Financial Aid - The Department offers aid in the form of *teaching assistantships, fellowships*, and *tuition waivers*. Awards presently carry a stipend of between $11,900 and $14,900 for nine months, plus full tuition. Funding is available in both the Math Ph.D. and CS MS programs.

Completed applications should be received by February 15, 2001.

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

Completed applications for these awards are due by January 20, 2001.

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

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

Wake Technical Community College (Raleigh, NC)

Jesse Williford will be the PI for a National Science Foundation ATE grant awarded to the department last spring. The award will enable faculty teams to perform workplace research to find applications of mathematics in industry. Chuckie Hairston and Rob Kimball are Co-PIs. (http://www.wake.tec.nc.us/math/wr00.html).

The AMATYC will join the MAA by hosting two regional CRAFTY workshops in October. The regional workshops will focus on the mathematics for AAS students in emerging technologies. Rob Kimball is a Co-PI on the grant. (http://www.wake.tec.nc.us/~rlkimbal/CRAFTY.htm). (Submitted by Robert L Kimball)

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From the Editor

With this Newsletter I begin my tenure as newsletter editor. I hope you enjoy reading it as much as I have enjoyed working on it The newsletter is a vital link with our members, providing important information. I welcome any questions, comments or suggestions you may have, just email me at vwatson@kennesaw.edu.

Virginia Watson