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Georgia Southern University Math / CSC Newsletter

Mary Margaret Hoy, editor

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ANNOUNCEMENTS

The Math/CSC Department computer labs officially close at 4:00 p.m. on the last day of classes, Friday, June 2.

The contract on the MPP Addition has been approved by the Regents' Office and it appears that we are about to see some progress. **Arthur Sparks** has asked **Sharon Morris**, **John Rafter**, and **Debbye Stapleton** to serve as an advisory committee to him on matters related to the addition. They begin meeting with the architects on Wednesday, May 31, 1995. As you well know, we will get the best results if suggestions are made now (in advance) instead of "after the fact." If you have any suggestions at any time (preferably *the sooner the better*), please give your suggestions in writing to **Arthur**, **Sharon**, **John**, or **Debbye**.

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PROFESSIONAL ACTIVITIES

Bruce McLean's paper "Industrial Simulation for Teaching Statistics" has been accepted by Interface '95, 27th Symposium on the Interface: Computing Science and Statistics. He will present his paper during the third week of June in Pittsburgh, PA.

John Davenport and **Bruce McLean** received word that their former student from James Madison University, **Jeff Solka**, received his Ph.D. in Computational Sciences and Informatics from George Mason University on May 20, 1995. Jeff will be presenting his work at Interface '95.

Jane Cason, **Dale Gibson**, **Pam Watkins** and **Lisa Yocco** co-presented "Graphing Calculators: At Issue in Developmental Mathematics" at the Learning Support Conference at Jekyll Island on May 22, 1995.

Susie Lanier attended the Developmental Studies Conference at Jekyll Island, GA, on May 20-23, 1995.

Susie Lanier, **Janet O'Brien** and **Jim Vargo** presented a talk entitled "The Janet O'Brien Show: Tutoring Sells -- Does Collaborative Study Groups?" at the Developmental Studies Conference at Jekyll Island, GA, on May 20-23, 1995.

Rose Mae Bogan was elected Secretary of the Science Education Division of the Georgia Academy of Science on April 29, 1995.

Rose Mae Bogan gave a talk entitled "The Effectiveness of Teaching Learning Skills in the Mathematics Classroom" at the Georgia Academy of Science at Augusta College in Augusta, GA, on April 29, 1995.

Rose Mae Bogan had an abstract published in the *Georgia Journal of Science*, Vol. 53, No. 1, 1995, on "Skills in the Mathematics Classroom."

Rose Mae Bogan spoke at the State Developmental Studies Conference on May 22, 1995, at Jekyll Island on the topic "Is it Our Responsibility to Teach Study Skills in Order to Insure Success?".

Rose Mae Bogan presided at the State Developmental Studies Conference on May 22, 1995, at Jekyll Island in the session "Building Bridges for Critical Thinking."

Rose Mae Bogan received a Certificate of Appreciation for work with the Success in U program at the Appreciation Picnic on May 20, 1995.

John Davenport presented a talk on "Possibilistic C-Means Clustering for Relational Data" at the First International Conference on Neural, Parallel and Scientific Computations, May 28-31, in Atlanta, GA.

John Davenport has been invited to attend an NSF sponsored workshop on "Providing and Integrating Educational Resources for Faculty Teaching Artificial Intelligence" to be held at Temple University, Philadelphia, PA on June 10-17, 1995.

Arthur Sparks has been asked by the Quality Education for Minorities (QEM) Network to serve as a reviewer of final drafts of proposals that are to be submitted to the National Science Foundation (NSF) by faculty at minority institutions that have not received a grant from NSF within the last five years.

Lila Roberts attended a Board of Regents sponsored Minority Graduate Student/Leadership Development Seminar on April 29-30 at Jekyll Island. She participated in a panel discussion of graduate school opportunities in mathematics, sciences and technology.

Wayland Brown had three pieces published in the May 1995 issue of *MacMonitor*. He wrote book reviews for "The Macintosh Bible Guide to ClarisWorks 3.0" and "The Visual QuickStart Guide to ClarisWorks 3.0." He also authored a lengthy article entitled "An Emended List of Macintosh Control Panels" that explains which CPs work with which computer models, and the function of each CP. These data are helpful to Mac owners who discover they may have upwards of 100 items in their Control Panel folder and do not know which they really need and which they can (or should) trash.

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ACCSSA AND ACMS MEETING

Arthur Sparks attended the Regents' Advisory Joint meeting of the Advisory Committee on Computer Science and Systems Analysis (ACCSSA) and the Advisory Committee on the Mathematical Sciences (ACMS) in

Albany on May 12-13, 1995. (These are advisory committees to the Board of Regents.) **Arthur** is Georgia Southern's representative on the ACMS. **Arthur** also serves on the Assessment Subcommittee of the ACMS.

At the meeting, the Curriculum and Transfer of Credit Subcommittee of the ACMS introduced the following:

The Subcommittee on Curriculum and Transfer of Credit moves the approval, in principle, of a new course titled "Introduction To Mathematical Modeling" at the level of college algebra and liberal arts mathematics, as an additional option in Area II of the Core Curriculum as an (R) or (E) course. This course will be an applications driven modeling course with a minimum content to include linear, quadratic, and exponential functions, and their inverses. This course should develop the ability in a student to communicate quantitative concepts and critical thinking. Technology is expected to play a major part in this course.

After much discussion and a couple of minor changes, the slightly modified proposal was approved unanimously. The proposal now goes to the Regents.

The Subcommittee members are from Gainesville College, Clayton State College, the University of Georgia, Abraham Baldwin Agricultural College, Augusta College, and Atlanta Metropolitan College.

It was observed that Georgia Southern has a course (Math 150 - Introduction To Mathematical Models) which is almost identical to this description. Some

members commented that Math 150 would be a good *model* and closely *fits* the description of the proposed course. At the request of many ACMS members, **Arthur** is sending information on Math 150 to each ACMS member for their information.

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MAA NEWS

Submitted by **Martha Abell** and **Jim Braselton**

The group would like to thank Lee Blum and Kevin Neeley for their outstanding presentation on "Touring the World Wide Web." The program was attended by many students and faculty. The program last week was a success as well. Nearly 40 students and faculty members found out a lot about nuclear submarines from U. S. Navy representative. Lisa Norton organized a reception after the program, and we thank her for that as well as the great job she did as president this year.

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PERSONAL NEWS

Brittany Kaitlyn Abbott was born to Anthony and **Tammy Abbott** on May 6, 1995, at 4:07 p.m. She weighed 6 pounds and was 19 inches long. Thanks for all your prayers, support and gifts.

John and **Pat Dotson** have recently moved to Charlotte, NC. For those who do not know, **Pat** is a former member of our Math/Learning Support faculty. Their new address is

4048-A Bannockburn Place
Charlotte, NC 28211.

Donna Saye's oldest daughter, Amy, recently turned 17. She just attended her first prom (and was absolutely beautiful after an entire day of getting dressed), just received her diploma from "life guard" classes, and just got hired for her first job (as life guard for the recreation department--what else?). Yet, it seems that only yesterday she was born. How can she have grown up so fast?

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PROBLEM OF THE MONTH

Bill Meisel is interested in knowing if there is a way to integrate $\sin^2 x$ or $\cos^2 x$ without using a trigonometric identity. He thought he could integrate by parts, but failed. Can it be done?

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JUNE BIRTHDAYS

John Rafter	13
Chong-wei Xu	22
Brenda Carter	23
Mary Shaw	28

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JULY BIRTHDAYS

Luke Olszewski	3
Yingkang Hu	6
Susie Lanier	16
Joy W. Darley	18
Sharon Lanier	22
Mark Aulick	25
Tammy Abbott	27

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AUGUST BIRTHDAYS

Karen Scott	3
Bobby Sparks	6
Mary Margaret Hoy	9
Charlie Christmas	10
Wayland Brown	12
Donna Saye	14
Carol Nessmith	23
Lisa Yocco	28
David Stone	30
Susan Boddiford	31

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SEPTEMBER BIRTHDAYS

Don Brown	2
Bruce McLean	7
Jane Cason	9
Karen Milnor	14
Gerald Shoultz	14
Bill Meisel	19
Sandra Ellwood	20
Charles Champ	22
Martha Abell	28
Rose Mae Bogan	29

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