Get Ready to Picnic!

The Spring Fling Picnic is scheduled for 11 a.m. to 2 p.m. June 9 at the Burger Bowl. GTRI and EDI employees will enjoy food, games, prizes and music from Star 94 FM. Rain date is June 9. Look for fliers arriving in campus mail, and be sure to RSVP to DW Semm, Room 225 CRB, Mail Code 0628 by June 1.

Wayne Cassaday (SDL) accepts the 1994 Young Radar Engineer of the Year award from Dale Ausherman, IEEE Radar Systems Panel, during the National Radar Conference Banquet on March 29. (Photo by Dayton Funk)

Cassaday Named 1994 Young Radar Engineer of the Year

By Lea McLees, RCT

A GTRI employee is the recipient of a top honor from the radar systems panel of the Institute of Electrical and Electronics Engineers’ Aerospace and Electronics Systems Society (IEEE/AESS).

Wayne Cassaday (SDL) was named the 1994 Young Radar Engineer of the Year during the IEEE National Radar Conference banquet on March 29 in Atlanta. “I am really quite humbled by the award,” Cassaday said. “Obviously it’s a great honor and I hope it brings some positive recognition to Georgia Tech. It is special to me to be given the award at this radar conference, since it is being held in Atlanta and I am the program chairman.”

Cassaday, a senior research engineer, is chief of SDL’s Radar, Physics and Instrumentation Division and has worked at GTRI for five years. He earned a bachelor’s degree in electrical engineering from Clemson and a master’s in electrical engineering from Georgia Tech. He is the first GTRI employee to receive this international honor since it was first awarded 10 years ago.

Recipients must be IEEE members at any grade level in the AESS, and can be no more than 40 years old. The award grants “international recognition for outstanding contributions to the radar art” to Continued on page 7

Observed & Noted

“Brown Bag with the Boss” Set for June

GTRI employees are invited to attend Brown Bag with the Boss, a series of informal town hall discussions in June with Richard Truly.

- June 28 in CCBF auditorium for CBB Building employees.
- June 29 in CBB auditorium for Baker Building employees.
- June 24 in Cobb County Research Facility auditorium for Building 1, 2 and 3 employees.

Need to send campus mail to a GTRI colleague? You can clip and save the list of GTRI’s new mail codes on page 3.

- Equitech findings are now being applied around campus. For answers to basic questions, see page 3.

GTRI employees are encouraging interest in science and math among children and college students. See pages 4 and 5.

- The back page is overflowing with professional and personal news. Allow some extra time to read page 8.
Meet the Mail Distribution Team

Next time you visit your mailbox and find it brimming with envelopes, you can thank GTRI’s Mail Distribution Team (MDT). MDT has metered and delivered more than 700,000 pieces of mail in the last nine months.

GTRI’s mail clerks/carriers make four deliveries daily to each of more than 70 mail drops at GTRI and nearby at the Office of Contract Administration, the Advanced Technology Development Center, and WREB. Correctly addressed mail picked up on the first morning mail run is usually delivered to its destination within GTRI that afternoon.

Other MDT responsibilities include figuring postage rates for oversized mail, processing large packages, delivering “green sheets,” paychecks, and publications, taking classified mail to the Georgia Tech Post Office, and processing United Parcel Service, Federal Express, and other specially delivered mail at GCBF. The team’s biggest challenge is scheduling themselves to frequently cover increasing numbers of mail drops.

GTRI’s new mail codes (see list, page 3) should allow for precise sorting and faster delivery, team members say. They are interested in hearing your suggestions. Read on for more information about MDT members — and tell your carrier hello the next time you see him!

Orrville Smith

Has worked at GTRI for 14 years, always as a mail clerk. He is the team member who makes sure that classified mail is delivered safely to the Georgia Tech Post Office after Research Security has processed it. After work, he likes going out with friends.

Nantambu Ambidwile

Has worked at GTRI for five years as a mail clerk. He drives the Cobb County shuttle, taking mail there each day. He also tries to keep stamps handy on his rounds, in case people need them for personal mail. The new mail codes will make delivery at GTRI more efficient, he says. After work at GTRI he heads to an evening job as a security guard, and he also is very active in his church.

Teddy Reed

Has worked at GTRI for 19 years, always in mail distribution and currently as the MDT supervisor. He reminds everyone to stamp mail properly to ensure prompt delivery, no matter what class it is — first, bulk or otherwise. Employees who change offices can avoid mail delays by letting Reed know. After work, he zips off to an evening job cleaning offices.

James Mason

Will have worked as a GTRI mail clerk for 13 years as of July 1. He delivers mail mainly in CRB, and encourages everyone to use the expanded GTRI mail codes — especially on bulk mailings. After work he enjoys watching high school, college and professional basketball, football and baseball. He has read the city’s newspaper cover-to-cover seven days a week for the past 20 years.

Danny Williams

Has worked as a GTRI mail clerk for almost two years. Says the best-addressed internal mail includes recipient’s name, department/room number/building and mail code. Even if internal mail is addressed incorrectly, he says team members work to get it to the right place. After work he does volunteer work with Cascade Road YEU’s Youth Program and is studying Spanish, Korean and Japanese.

Larry Rerspective

Has worked as a GTRI mail clerk for 14 years. His responsibilities include mail delivery at CCBF, picking up CCBF mail at the Smyrna Post Office, and handling packages sent by United Parcel Service, Federal Express and Airborne. If you plan to send a package from campus to CCBF but end up not sending it on the anticipated date, he asks that you let the CCBF person expecting the package know. After work he heads to evening jobs. We wanted to include a photo of Larry, but he prefers not to have his picture taken.

SELECTED MARCH 1994 AWARDS

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NEW MAIL CODES
FINALIZED

Following is the list of the new GTRI mail codes announced in last month's CONNECTOR. The count, or numbers of people getting mail at each code, may change from time to time. To ensure the most up-to-date count possible for your mailings, you may call Harry Vann at 894-7520.

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EquiTech In Action
Around Campus

By Lea McLees, RTC

Findings from EquiTech: The Job Study Project are being applied around campus as part of the 20-month study of Georgia Tech classified employees and their jobs.

Employees learned more about how the EquiTech study was done and what is next at April 13 and 18 meetings, one of them held at the Cobb County Research Facility. More than 1,000 employees attended, including at least 150 from GTRI.

EquiTech: The Job Study Project evaluated employee classifications and pay, defined career paths and jobs, and linked individual job performance to strategic objectives for 2,000 classified employees at Tech. The results of EquiTech are uniform job titles, grades and corresponding salary ranges. The salary ranges were set based on prevailing market conditions.

About 400 employees, 14 of them working at GTRI, will receive salary increases to bring their earnings within the ranges specified for their job grades. A total of 880,000 has been set aside to make these adjustments, said Jerry Danks, associate vice president, Office of Human Resources.

Following are answers to questions employees raised at the April meetings:

**Where do the salary adjustment funds come from?** The $880,000 for salary adjustments comes from central funds, primarily from new workload allocation. In addition, the merit budget funds the FY 95 raises approved by the Georgia Legislature earlier this year.

Those who receive EquiTech salary increases also are eligible for merit raises.

**Does EquiTech impose salary caps or cut pay?** No. If you earn close to or above the maximum salary for your job grade, you still are eligible for annual merit increases. In the midpoint, minimum and maximum of salary ranges could be raised in the future, based on the market and Tech’s ability to pay.

**Will the salary adjustments EquiTech mandates cost sponsored research programs?** GTRI costs are fully reimbursed by our research sponsors. As a result, salary changes directly impact specific projects utilizing individuals who received EquiTech adjustments to bring their salaries to the minimums for their pay grade. Since the total for all adjustments involved only about $10,000 for all of GTRI, there should be no major impact on any specific project’s budget.

**What if I disagree with the salary range or title assigned for my job?** Appeals will be handled May 1-10, and quarterly after that.

**What is the difference in reclassification and promotion?** Reclassification, the re-naming of a job position, means that the job itself has changed. Reclassification is not based on individual performance. Promotion happens when a person moves up from one position to another, and would involve posting of the higher level position. Other EquiTech activities include:

**An evaluation of pay among classified employees by gender and race, is slated for FY95.** If inequities are found within job titles, adjustments will be made.

**Having set a procedure for employee performance appraisals.** A new performance appraisal process has been developed. It includes employees meeting three times per year with their respective supervisors to set goals and track performance.

**Having developed a reconsideration process that employees and supervisors may use if an employee or supervisor does not agree with the classification.** Among the GTRI employees who worked with the EquiTech project were EquiTech Task Force members Pat O’Hare (RSP) and Carolyn Mahaffey (MAPS), and former GTRI employees Gayle Warren (EDO) and Lynn Burt (OHR). Director Richard Truly was a member of the Strategy Group, made up of selected deans, vice presidents and Board of Regents representatives.

Tech’s Salary Administration Policy, described at the meeting, is document 4.1 in volume 4.0 of the Tech Human Resources Policies and Procedures Manual. If you do not have access to a manual and would like a copy of the policy, you may send e-mail to Eunice Glover at eunice.glover@gtr.gatech.edu.
Growing Future Colleagues in Science, Math and Engineering

By Lea McLees, RCT

Encouraging children who are interested in math, science and engineering — and then supporting them once they arrive on campus as freshmen — is obviously important to the academic schools and colleges on campus. But such activities are paramount to GTRI as well.

About 33 percent of all permanent and active GTRI employees had earned one or more of their diplomas at Tech as of last spring, according to data from the Office of Human Resources. Each year’s freshman class holds potential undergraduate—graduate co-op students, student assistants, graduate research assistants and full-time professional employees.

Following are examples of what some GTRI employees are doing to encourage and support future scientists and engineers. In addition, you’ll find three related articles that spotlight specific programs you may want to participate in:

- Cobb County Research Facility employees Jennie Tate (BS), Molly Garry (MSE), Wayne Cassidy (SDI), Krish Abuja (AE2O), and Martha Willis (SEAL) organized “Take Our Daughters to Work Day” (TODTW) for their location on April 28. Sponsored by the Ms. Foundation for Women, TODTW is a national public education program ensuring that girls are respected and taken seriously as potential job recruits (see related article and photo, page 5).

- Co-op Linda Freeman (SEAL), a member of the Society of Women Engineers, judges middle school science fairs and promotes science and engineering among children, particularly girls.

- Martha Willis (SEAL) helped organize the Women in Science and Engineering (WISE) mentor program and participated in it (see related article and photo, on this page). She also organized a program that will allow 10 teachers to come to GTRI this summer to plan helpful workshops for their colleagues on science, math and engineering—related subjects relevant to the classroom.

- Jill Gostin (SEAL) participated in WISE, as did Myrle Turner-Sippio (EOEM). Turner-Sippio encourages junior high school students to explore their interests in science and technical subjects through Tech’s Futurescape program.

- Ken Johnson, Kirk Mahan and Paul Schlumper (EOEM) participate in a program that helps students become aware of the need to wear seatbelts.

- Toni Harley (EOEM) assisted a child who wanted to do a science project on lead in drinking water.

- Working with science fairs is something Rob Muzzio (SDI) enjoys — he also does scientific demonstrations for children that are related to subjects they are studying in school.

- A group of sixth graders at Pine Mountain Middle School got an introduction to lasers from Dave Price (SDI) recently.

- Bob Schierz (EOEM) also presents demonstrations that go over well with the elementary school kids. He explains photoch­emistry and light and shows pretty fluorescent dyes and ultraviolet-induced color-ch­ange reactions.

- Claudia Huff (EOEM) was one of a team of Society for Technical Communic­ation (STC) members recently judging entries in the International Science and Engineer­ing Fair for a special award STC presents. The fair was held in Birmingham, Ala.

- Kathy Schlag (ELSYS) participates in Futurescape and judges local high school science fair.

- Gene Greenecker (SEAL) has helped students develop award-winning projects for school science fairs.

- Craig Wyvill (EOEM) and colleagues at the Agricultural Technology Research Program help teachers tell children about how science and math are used in the poultry industry. Sixteen teachers and two students from northeast Georgia Schools visited Georgia Tech on February 17 to find out how Georgia Tech supports the poultry industry using engineering. Their program is sponsored by Pioneer Regional Educational Services Agency.

- Several employees shared their research with Georgia Tech students during an open house for Tech students in February, and during another open house that month for female high school students. Among those who participated in one or both programs were Nick Faust (EOEM), John Gilmore (ITL), Laurie Hodges (EOEM), Matt Langman (EOEM), Ted Doll (EOEM), Mike Sinclair (Tech’s Multimedia Lab), Roy Thompson (ELSYS), Ricky Moore (STL), Kathy Schlag (ELSYS), and Paul Wine (EOEM).

- Among the GTRI employees who assisted with a recent bridge-building contest at SC Tech were Rae Adams (EOEM), Ron Bohlander (ITL), Jim Clark (EOEM), Wiley Holcombe (EOEM), Claudia Huff (EOEM), Nancy Kelley (EOEM), Gary McMurray (EOEM), and Craig Wyvill (EOEM).
How Can We Help When They Get Here? The ASSET Program Wants You

By Lea McLees, RCT

Once students arrive on the Georgia Tech campus as freshmen, they need a personal link with the campus — just ask John Pyles (ITL). A Tech graduate himself, Pyles spends some of his free time each year as a Georgia Tech ASSET friend to six to 12 freshmen.

“I’ve been a student at Tech, and so I know that it involves a lot of work and pressure,” he said. “A lot of the questions I answer are ‘Who do I need to talk to about this?’ Where do I find out about that?” And, “How do I switch majors?”

ASSET — Academic Support for Students Entering Tech — aims to improve Tech’s retention, reception and appreciation of students, as well as the academic environment. It is one of several programs for first-year students on campus, including Challenge, Freshman Experience, Psychology 1010, Georgia Tech Liaisons for Incoming Students, and FAST, an orientation program.

Coordinated by the Center for the Enhancement of Teaching and Learning (CETL), ASSET links a Georgia Tech employee with a Tech upperclassman and about 10 Tech freshmen. The employee and the upperclassman help the freshmen in their group and organize activities for them, especially during the first quarter of each academic year.

The retention literature stresses the need for adult involvement with first-year students, especially during the first six weeks of college,” said Billie Pendleton-Parker, ASSET co-director with David J. McGill. “It is within that time frame that dropout decisions are usually made.”

About 60 percent of the ASSET Friends are teaching faculty, and the rest are administrators, staff, and GTRI employees, like Chris Downing (FORDM).

“I try to give the students a perspective on GTRI’s relationship to Georgia Tech, and tell them about the opportunities as co-op students and student assistants here,” he said. “It’s so important for them to get to off to a good start. I like to see their energy and excitement.”

ASSET groups tend to plan more activities in the fall, tapering off in the winter and spring — depending on the needs of the students involved. The Georgia Tech Foundation is making money available so that each ASSET friend has about $200 to spend on activities with her or his group during

Employees Take Their Daughters to Work

By Lea McLees, RCT, and Sarah Peery, guest writer

About 50 employees had some extra company on their April 26 drive to work at the Cobb County Research Facility (CCRF).

That extra company was their daughters. CCRF organized a “Take Our Daughters To Work Day” (TODTW) program as part of a national effort sponsored by the Ms. Foundation for Women. TODTW is a public education program than encourages firsthand exposure to the workplace so that girls are respected and taken seriously as potential job recruits. Last year nearly one million girls and their parents or mentors participated nationally.

The 46 visitors, ages 7 to 17, toured the Naval Air Station (NAS) near CCRF and

Focus on GTRI’s Future

Rob Muzio (SDL) demonstrates equipment for Mary Beth Muzio, Katie Muzio, Christina Roberts, Rachel van Paepghem and Jennifer Bodnar during Take Our Daughters to Work day at CCRF. (Photo by Anita Edwards)

spent an hour on the job with their parents. Lunch was provided by CCRF lab directors Bob Casmann (AERO), Joe Parks (SDL) and Bob Trebits (SEAL). Barbara Walsh (FSD) officially welcomed the visitors, their parents, and Bob Lang (BSD), chairman of the Olympic Village Security Committee, discussed Georgia Tech’s involvement with the 1996 Olympics. Afterward the students toured both the acoustics and radar facilities at CCRF.

Employees Play Important Roles in IEEE National Radar Conference

By Lea McLees, RCT

At least 20 Georgia Tech researchers, many of them from GTRI, were instrumental parts of the 1994 IEEE National Radar Conference March 29-31.

Several GTRI employees helped arrange the conference at the Holiday Inn Crowne Plaza Ravinia, which was attended by 231 people representing 16 different countries. Others presented research papers or led tutorials, all related to the theme: “Radar Development in a Changing Global Economy.”

“We in the radar research and development community have new applications, new competitors and new allies,” said General Chairman Bob Trebits (SEAL). “Partnerships among government, industry and academia represent a new way of meeting marketplace expectations. We must meet this challenge.”

Topics covered at the conference included everything from radar systems, subsystems and phenomenology to signal processing, tracking and imaging.

The three-day gathering was dedicated to the memory of Fred Nathanson, a GTRI employee who died of cancer in June 1993. He is remembered for his book, Radar Design Principles, and for his dedication to spreading and sharing knowledge throughout the radar community. Nathanson and his wife, Lisa, established the Fred Nathanson Memorial Radar Education Fund in late 1992.

The conference banquet included a tribute to Nathanson, in which Ed Reedy (RO), Nathanson’s daughter Janice Smith, and radar community friends remembered him. During the banquet Wayne Cassaday (SEAL) was presented the 1994 Young Radar Engineer of the Year Award (see related article, page 17).

In addressing the future of radar, banquet keynote speaker Larry Lynn, Deputy Undersecretary of Defense for Advanced Technology, discussed developments in military radar while noting that issues important 10 years ago remain so today. Ongoing issues include radar utility, especially against low cross-section targets, the ability to hide a radar, for survivability, and reduced cost and weight/Improved reliability and maintainability.

Among the GTRI employees participating in the conference were Trebits (SEAL), general chairman; Cassaday (SDL), technical

Continued on page 7
Renowned Astronomer Discusses, Displays Hubble Improvements

By Lea McLees, RCT

Most people know the Hubble telescope as the subject of jokes and ridicule because of a 100-inch mirror that could not focus and the blury images it first produced.

Internationally known astronomer Margaret Burbidge has a different perspective. For her, the Hubble telescope, repaired and now transmitting stunning images of stars and galaxies, is a success story — and proof of one fact that she has learned over the years.

"Astronomers are not easily daunted," she said. "They were able to overcome the problem with the images."

Burbidge's April 20 presentation to about 90 students, faculty and staff members was sponsored by the University Center of Georgia, a consortium of colleges, most based in Athens. She presented the center's physics/astronomy visiting scholar lecture in the Howey Physics Building.

"Margaret Burbidge brings to science, and to astronomy in particular, a perspective and authority that young scientists people need in these times," GTRI's Allen Garrison (EO/EM) told those gathered for the talk.

Burbidge knows the Hubble telescope well. She is principal investigator on the University of California/San Diego's (UCSD) contract with NASA for the science and data analysis program of Hubble's Faint Object Spectrograph. This sensitive device can reveal chemical compositions and relative velocities of distant objects. Burbidge also was a co-investigator on the plan to build the original Hubble faint object spectrograph.

Instead of bringing Hubble back to earth and replacing the defective mirror, astronomers decided to replace the primary camera and add corrective optics to the existing mirror. The optics were sets of mirrors and lenses, one set for each instrument, which corrected the images reaching each piece of equipment. They were installed during a space walk by space shuttle astronauts, who also fixed some troublesome solar panels and replaced deteriorating gyros that controlled the direction the telescope pointed, Burbidge said.

As she spoke, Burbidge shared vibrant color slides of images taken by Hubble with its corrective optics, including photos of Nova Cygni, an exploding star and the Eta Carina, a very unstable, extremely massive star.

Astronomy is a worthwhile expenditure for several reasons, Burbidge said. "It is good to know, for example, that the sun is five billion years old and still has another five billion years to go before it undergoes any drastic changes," she said.

Studying visitors to our solar system such as asteroids and comets, and learning what affects their paths and orbits, respectively, is imperative, she said, just as learning about the beginnings of the universe through astronomy is.

"Why spend money on astronomy?" she asked. "Of all the sciences, it most captures the public interest. We're all explorers and we're all interested in our origins ... and everything in this room is made of the elements of star dust."

A native of London, Burbidge is now a professor emeritus in the University of California school system and was a professor of astronomy at UCSD. She directed UCSD's Center for Astrophysics and Space Sciences for nine years, and was director of the Royal Greenwich Observatory in England during 1972 and 1973. Burbidge has led organizations such as the American Astronomical Society and the American Association for the Advancement of Science and has received numerous honors, including election to the National Academy of Sciences.

Spring has sprung at CCRF. Some of the resident geese were sunning by the lake with their little ones earlier this month. (Photo by Lea McLees)

Food

From page 1

will be used in research for years to come.

The initiative builds on the already strong foundation that exists between the food industry, the University of Georgia, Georgia Tech, the state's Department of Technical and Adult Education, and a number of state agencies. It places expanded emphasis on training/education activities supporting improved work force development, technology transfer, and research activities supporting the environmental, food safety, food processing and product competitiveness needs of the industry.

In the initial funding year, programs are planned in sensor evaluation and development, environmental assistance, byproduct recovery, wastewater treatment enhancement, small minority owned business assistance, product nutrition/health enhancement, new process analysis assistance and food safety support. All FY98 funding is targeted for Georgia Tech, the University of Georgia, Valdosta State Regional University, Georgia Southern Regional University, and Fort Valley State College. Extensive cost matching is expected, particularly in the research area.

GTRI is taking the lead in sensors evaluation and development, and with Tech's School of Civil and Environmental Engineering, is working on portions of the environmental area. The University of Georgia is leading food safety research, new food product processes and products, and the balance of the environmental research. The Department of Technical and Adult Education is heading work force development.

Significant interaction across research areas is planned and is critical, Wyvill said.

"This is only the beginning of what we believe will be a long and productive program," said Wyvill. "GTRI has the potential, particularly with its strong electronics background, to contribute significantly to this initiative. Together with the academic units across campus and those at the University of Georgia, we could help turn Georgia into a major center for food processing research."

With that, the potential for attracting not only food companies, but allied industries such as equipment manufacturer and analytical laboratories, to Georgia will be significant.

May meetings are scheduled in three locations across the state to explain the initiative, and to attract broader participation and suggestions on future directions from Georgia's more than 500 food processing companies. Planning for FY96 activities begins soon. If you are performing research related to this initiative, or know others on campus who are, you may call Craig Wyvill at 894-5412 or send e-mail to craig.wyvill@grti.gatech.edu.

Fellows Want Your Input

The GTRI Fellows Council was formed in 1993, partly to provide recommendations to the GTRI director from the research community without passing through the management chain. The Fellows invite continued comments and specific suggestions for improving the research enterprise at GTRI. You may contact any of the Fellows directly:

Krish Aluja AERO 528-7054
Larry Corey SEAL 528-7156
Devon Crowe CS 894-3500
David Flowers ELSYS 894-7195
Bill Rhodes EO/EM 894-2029
Chris Simmons EO/EM 894-3420
Daughters
From page 4

no women who do that," she said.

Connie Price, Beth's 12-year-old sister, liked a project she saw at GTRI. "We learned about automatic test equip-
ment that can fix itself," she said.

Bob Lang's daughter Tara, 10, in addition to being interested in being a baseball player, is also interested in her dad's job. "I also sort of want to be like my dad and do security and everything," she said.

To coordinate with school's attendance policies and encourage participation, letters announcing the opportunity and bearing Director Richard Truly's signature were sent to schools, and to county school superintendents. Parents took home permission slips and attendance forms for their daughters to use.

Jennic Tate (SEAL), Molly Gary (SEAL), Wayne Cassaday (SDI), Kristi Ahuja (AERO), and Martha Willis (SEAL) organized GTRI's FIRST program. Roundout the volunteers group were Anka Edwards (SDI), Bob Engraver (AERO), Andy Ernklein (AERO), Alex Fleming (AERO), Rich Gaeta (AERO), Bill Haynes (AERO), Beverly Hutchinson (SEAL), Kay Lindsey (SDI), Jeff Mendoza (AERO), Rob Pauley (SEAL), Janice Porter (VRE/SD), Jim Scheer (SEAL), Marilyn Smith (AERO), Bob Stoker (AERO), Sherry Travis (AERO), Richard Truly (VRE/SD), Ron Walter (AERO), and the many parents who transported children to NAS.

Our guest writer Sarah Peery, 13, visited GTRI with her friend Judy Cooper (RO). She went to a class, saw the Tech campus, and helped write this article.

GTRI Greetings!
From page 1

Welcome to one of our newest employ-
ees!

1. Gail Woodward is a research asso-
ciate and MAPS Unit 6 manager.

2. She comes to GTRI from 7 1/2 years at Stanford University in California, where she worked on the academic side.

3. At Stanford, Gail helped utilities, operations and facilities project managers determine and monitor their budgets, which totaled $50 million.

4. She holds a bachelor's degree in economics and business, and a master's of business administration in finance and economics from Arizona State University in Tempe.

5. Gail wants to help project directors make their budgets useful tools. Her goal is to forward the mission of the MAPS group, which is to support GTRI project directors, other project personnel, laboratory directors, and all other levels of GTRI management with assistance in budgeting and otherwise managing financial resources.

6. Gail is a native of Winnetka, Ill.

7. Her sister, Karen Harmon, is the Department of Defense investigator at Georgia Tech. Gail has two grown daughters who live in Williamsburg and Denver.

8. After work Gail enjoys gardening, reading, playing bridge and traveling.

9. Future plans include trips to Alaska or the Catskills, a good skiing spot, and London or Germany between now and late 1996. She also might consider her education in finance/economics.

10. Gail has two perfect cats, Morris and Blackbird, and has been pleased to find that MAPS is full of fellow cat-lovers.

Georgia Tech
RESEARCH INSTITUTE

Gail Woodward

Radar
From page 5

program chairman, Marvin Cohen (SEAL), one of several people who arranged tutorials; Jim Wilkes, principal research engineer emeritus; speakers; Guy Moons (SEAL), publications; Joe Bruder (SDI) publicity; Larry Moore (SEAL), local arrangement; Neal Alexander (SEAL), finance; and Reedy and retired principal research engineer Josh Nessmith, AESS advisers. Local members of the technical program com-
mitee were Larry Corey (SEAL), Wood Curner (SEAL), and James McClellan (ECE). Director Richard Truly gave the welcome for the conference.

Representatives from Georgia Tech made several presentations:

*Melvin Belcher (SEAL), Jeff Holder (ECE), and Josh Nessmith (retired), "Precision Tracking Performance;"
*Samiao Hung and Douglas Williams (ECE), "A Constrained Least Squares Approach for Sensor Position Calibration and Direction Finding;"
*Jeffrey Schoolof and Douglas Williams (ECE), "Sensor-Adaptive Angle of Arrival Estimation for Constrained Signals;" and,
*Mary Ann Ingram (ECE) and Jeff Holder (SEAL), "Adaptive Space-Time Processing for Radar receive Arrays with Time-Varying Two-Dimensional Subband Decompositions: The SDLMS Algorithm."

Tutorials were offered by Jim Scheer (SEAL), "Coherent Radar Performance Estimation;", and Melvin Belcher (SEAL) and Josh Nessmith (retired), "Phased-Array Radar Systems - Resource Management."

News & Notes

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Focus on Folks

Professional Activities

Aerospace Sciences Laboratory

Bob Englar has been re-elected to the Applied Aerodynamics Technical Committee of the American Institute of Aeronautics and Astronautics. He was one of the original founding members of this committee when it was initiated in the late 1970s. The first required meeting of this committee is in June at the 12th Applied Aero Conference in Colorado.

Electronic Systems Laboratory

In January, Jeff Gerth, Deborah Mita and Phil West presented "Designing High Technology Workstations: Building Usable Interfaces for Medical Devices" at the annual meeting of the Society for Technology in Anesthesia. The meeting was held in Orlando, Fla.

Mike Kelly and Deborah Mita have been appointed "Special Editors" by the journal Human Factors to prepare and publish an issue in 1996 on human factors of Intelligent Vehicle Highway Systems. This is an important step toward gaining HGI's Human Factors Branch recognition as the world leader in IVHS human factors.

Electro-Optics, Environment and Materials Laboratory

Four members of the Communications and Technology Transfer Branch received awards from the Society for Technical Communication in this year's publications contest. Stephanie Babbitt and Rae Adams won a Distinguished Award, the highest offered at the local level, for "Fluidity Tech", the Agricultural Technology Research Program's newsletter. Nancy Davis and Leigh McVeavy received an Award of Excellence for a daily newsletter produced for the 1992 International Society for Technical Communication Conference. McVeavy also won an Award of Merit for the series "Tech WIRCS Tips." Davis and McVeavy received an Achievement Award for Centerpoint, a Hazardous Substance Research Centers publication, entries which won distinguished and Excellence awards will compete at the international level.

Chris Downing present "Improving Indoor Air Quality and Energy Efficiency" at the Environment Information Association annual meeting in San Diego March 16.

On March 22, Kirk Mahan was a judge in the statewide Seat Belt Safety Poster Contest. Children from kindergarten through twelfth grade submitted more than 60,000 posters for this year's contest. The winning posters will be printed in a calendar next year. On March 24, Mahan represented Georgia Tech at the Project Safe Georgia meeting at Georgia Pacific in Waverly, Ga. Kirk presented three safety talks to attendees, including information on confined space entry, emergency response, and resources available from Georgia Tech.

John Nemeth has been asked to serve on the statewide Planning Advisory Committee, established under the Georgia Planning Act of 1989. The committee advises the Georgia Department of Community Affairs on land/resource use planning topics including local, regional and state planning standards and procedures; mediation implementation, developments of regional impact, and regionally important resources; coordination with local governments, regional development centers, state government and the private sector; training opportunities and public education efforts; and policies and procedures.

Myrdle Turner-Sippo presented "Title X (The Residential Lead-Based Paint Hazard Reduction Act of 1992). The Real Estate Investor's Perspective," at the March 10 meeting of the Georgia Association of Real Estate Investors in Atlanta. She also participated in the Georgia Tech WISE (Women in Science and Engineering) Mentor Program on March 17. Turner-Sippo presented a program on "Air Sampling and Calibration for the Industrial Hygienist" to Bonita Lowey's sixth grade math classes at Ridgeview Middle School in Sandy Springs, Ga.

Signatures Technology Laboratory

James G. Maloney received the R.W.P. King Award for his paper, "Optimization of a Conical Antenna..." (with G. Smith) published in the July 1995 issue of IEEE Transactions on Antennas and Propagation. The award recognizes the best paper by an author under 36 years old. In addition, a May 1995 paper, "A Study of Transient Radiation from the King - Wu" (with G. Smith) was so close to first place in voting for the Schellkunoff Best Paper Award that it was given an Honorable Mention for the Schellkunoff Award.

Systems Development Laboratory

Tracy Wallace and Lamar Gostin taught the last week of the Basic Radar Training Course at the U.S. Army ARDEC, Picatinny Arsenal, NJ, April 12-15. They conducted a detailed microwave measurement laboratory for the 10 Army students on-site at Picatinny Arsenal. This exercise completed a seven-part course on radar systems. The students were given diplomas in a small ceremony at the end.

Nick Currie and Bob McMillan taught the first week of the new U.S. Army ARDEC MMWR, IR, and Field Testing Training Course at Picatinny Arsenal, NJ, May 3-6. The course is a seven-part course in MMWR and IR and includes a two week laboratory at CCRF in September, 1994, in which the students will participate in MMWR and IR measurements.

Administrative Information Systems Team

Three new co-ops began work this quarter: David Garrett, Kimberly Pollen, and John Butler.

Electronic Systems Laboratory

Ann Duncsew transferred from Division Secretary in the Concepts Analysis Division (ELYS) to the position of ELYS Lab Secretary.

Systems Development Laboratory

Harry P. Hass (REID) transferred to SEAL on April 4.

Personal Notes

Congratulations!

Lee Hughley's (AST) son, Lt. Rich Hughley, attended the U.S. Navy's "Top Gun" School at Miramar, Calif. He was one of two people selected by his commanding officer to attend this very prestigious school, and is there to train fleet pilots. Rich flies the F-15.

Bert Watkins' (RPT) son Robert rolled a perfect 300 game in bowling March 13. He competed in the City Tournament held at Macon Suburban Lanes in Decatur. Robert began his next game with six consecutive strikes and ended up with a 765 series. He will be awarded a gold American Bowling Congress 300 Game Ring.

Bob McMillan's (SD) daughter, Natalie McMillan Isaza, graduated from the University of Florida College of Veterinary Medicine on May 29. In June she begins a one-year residency at Cornell University.

After Hours

Bill Horland (STL) performed as incidental soloist with the Atlanta Symphony Chamber Chorus in their recent concerts at Atlanta's Symphony Hall and New York's Carnegie Hall. Horland has sung with the chamber groups under the direction of Robert Shaw since coming to Atlanta and GTD in 1989. He also performs with the Atlanta Singers and Atlanta Opera, in addition to his staff soloist position at North Avenue Presbyterian Church.

Wedding Bells

Greg Williams (EOML) married Kathy Doll on March 26. Ashley Slappy (SD) married Cindy Glauser on April 9.

Craddle Roll

Carol and Mason Gross (EOML) welcomed a son, Alexander Marlowater, on March 7. Robyn and John Andrews (SDL) welcomed a baby girl, Kiera Marie, on March 10. Meredith and Mike Brinkmann (SDL) welcomed a baby boy, Andrew Michael, on March 31. SDL has two sets of first-time grandparents. Joe Parks has a grandson, Brian Jackson Parks, born on March 25, and Carey Floyd has a granddaughter, Lauren Elizabeth Moncrief, born on Easter—April 3. Pat Rose (SDL) has a new grandson, John Howard Rose II, born on April 8.

Our Sympathy

To Mike Brinkmann, whose mother, Mary Margaret Brinkmann, died on March 27...to the family of Florence Pettit, 79, widower of former Tech President Joseph Pettit. She died April 25.