

the GTRI connector

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New GTRI Organizational Framework Announced

GTRI management revealed the organization's new structural framework to the GTRI senior staff at a special meeting on April 30.

In announcing the plan, Executive Associate Director Bob Shackelford stressed that it is still being refined and revised, with many aspects still to be decided. Following are details of the plan disclosed at the meeting. For more up-to-date information and in-depth discussion, watch for upcoming issues of *Countdown!*, GTRI's restructuring newsletter.

Don Grace will continue to be GTRI's chief executive officer. His executive associate, Bob Shackelford, will oversee all operating and financial functions. They and Jerry Carey will be the core of an Executive Council, which also will include Ed Reedy, Devon Crowe, and Pat O'Hare. This management team will support the executive functions for the full range of GTRI policies and functional oversight, Shackelford says.

Programmatic Management

Within the Office of the Director (OOD), Jerry Carey, Ed Reedy, Dan O'Neil, and Charles Brown will manage the sponsored research activities conducted in the laboratories. Some 21 of these laboratories have been designated; they correspond loosely to the divisions of GTRI's current setup. According to Bob Shackelford, "This important functional management group in OOD will be the immediate reporting point for all the GTRI research units, including the laboratories as well as 'independent' program offices and the research operations of any off-site unit not assigned to a laboratory."

Each research unit will report to one of the four program managers in OOD, based on the unit's primary area of research and the

assigned area of responsibility of the program manager. The initial unit reporting assignments are shown in the box. "These arrangements will facilitate the clustering of units to meet program and sponsor requirements," Shackelford explains. But he stresses that these reporting channels to OOD "will not preclude the involvement or program participation of any unit in any research program area where that makes sense or gives GTRI a research advantage."

Operational Management

The members of the GTRI Executive Council, in addition to any direct managerial assignments, will share the load for supervision of the various GTRI staff and support functions, as follows:

Fiscal Operations: Bob Shackelford will oversee the financial functions, and will lead the GTRI Finance Committee, composed of Jerry Carey, Barbara Walsh, and Billy Atcheson. Barbara Walsh will continue to manage the Research Operations Analysis and Modeling Group, and Billy Atcheson will continue to manage the Accounting Department. Carolyn Mahaffey will head a new Management and Project Support Group. This group will have six support units geographically located in each of the four major GTRI buildings on campus (CRB, Baker, ERB and O'Keefe) and in buildings 1 and 5 at the Cobb County Research Facility.

Internal Research and Strategic Planning: Devon Crowe has been assigned these functions, as recently announced. The new program incubators—Acoustics/Vibration/Flow Control, Manufacturing Technology, and Technology Policy—will report to him. Jim Wiltse will continue to spearhead professional development and academic interaction efforts.

Program Development: Jerry Carey will oversee corporate program development, assisted by Don Wilmot, Bob Zimmer, and Dan O'Neil. This will be the OOD reporting point for the program development activities of GTRI's off-site offices.

Quality Assurance: Fred Cain and Milton Bennett will be responsible for quality assurance aspects of research contract fulfillment, such as deliverables and publications, with oversight from Ed Reedy.

Support Services: Pat O'Hare will be responsible for human resource functions and will continue to oversee the following GTRI service departments: Facilities Management, Human Resources, Mechanical Services/Instrumentation and Calibration, Research Communications, Research Property Management, Research Security, and Supply Services.

Economic Development and Technology Transfer: David Clifton will be responsible for technology transfer and state program planning and coordination, with oversight from Bob Shackelford. The Economic Development Laboratory, including the regional offices, will report to Dr. Clifton. Andrew Harris, as previously announced, will head legislative and external interface activities.

Coordination and communication within OOD will be facilitated by the creation of functional working groups in the areas of Planning, Programs (Technical), Programs (Contract Development), Quality, and Support Services. Each will be led by an OOD member with primary responsibility in that area.

At the staff meeting, Dr. Grace pointed out, "There are many things that still need to be addressed. For instance, we haven't yet released the names of the directors of the new laboratories. Another topic of

concern is: What happens to people who are not in the present divisions, such as lab-level staff? Obviously, there are still many important details to be ironed out."

He added, "We plan to write new procedures, including designation of the person or persons who will 'sign off' at each level. We also will provide new, carefully written job descriptions for persons involved in GTRI's restructured management system."

GTRI Programmatic Management

Systems Laboratories

G. J. CAREY
Advanced Threat Technology
Microwave & Antenna Technology
Development
Threat Systems Development

E. K. REEDY

Concepts Analysis
Countermeasures Development
Electronic Support Measures
Engineering Sciences
Radar Modeling & Analysis
Radar Systems Applications
Radar Systems Development

Science & Technology Laboratories

C. E. BROWN
Aerospace Science & Technology
Communications
Computer Science & Information
Technology
Electromagnetic Environmental
Effects
Electromagnetic Science & Technology
Huntsville Research Operations
Signature Analysis & Development

D. J. O'NEIL

Electro-Optics
Environmental Science & Technology
Materials Science & Technology
Physical Sciences



During a visit to the Apparel Manufacturing Technology Center, DLA Director Lt. Gen. Charles McCausland saw a demonstration of computerized pattern piece layout. (Photo-Joe Schwartz)

DLA Chief Tours Apparel Center

The director of the U.S. Defense Logistics Agency (DLA), Lieutenant General Charles McCausland (USAF), visited the Apparel Manufacturing Technology Center (AMTC) April 18 for a briefing on recent manufacturing innovations.

He toured the apparel demonstration center at the Southern College of Technology, a partner in the AMTC, where he learned about a computer system that tracks garments as they move through the assembly line. He also watched a demonstration of a system that allows a clothing designer to test patterns using computer graphics.

Project Director John Adams, of GTRI's Economic Development Division, briefed him on modular manufacturing, programmable sewing machines, and automated material handling.

AMTC, now in its third year, is one of three apparel research facilities funded by the DLA to help improve productivity and competitiveness in the U.S. apparel industry. AMTC focuses on developing more efficient, cost-effective manufacturing processes.

"Apparel manufacturing research is needed to bring down the cost of

See "Apparel," page 3

GTRI Appoints State Advisory Board



Attendees at the April 17 State Advisory Board meeting enjoy a light moment during their briefing on GTRI's mission and activities. (Photo-Joe Schwartz)

For many years, GTRI has benefited from the advice and expertise of an invited National Advisory Board. A couple of years ago, this board was augmented with the addition of four prominent Georgia citizens: Senator Terrell Starr, County Commissioner John Henry Anderson, Representative Larry Walker, and Joel Cowan, former chairman of the Governor's Growth Strategies Commission. They recommended that GTRI form a State Advisory Board to focus on matters of interest within the state. To date, 34 individuals have agreed to serve on the board.

"The members were carefully chosen to come from different geographic areas, occupations, and areas of public service," says GTRI Director Donald Grace. They include businesspeople, economic developers, elected officials,

bankers, association executives, media representatives, educators, alumni, and industrialists, among others.

At meetings held in January and April, two groups of advisors were briefed on their mission, which is to provide "advice and counsel that will help to shape GTRI's interaction with business, government, industry and communities within the state." The remaining advisors will be briefed individually.

The board currently is being organized into the following committees: Communications and Public Relations, Economic Development and Technology Transfer Programs, Fiscal Affairs and Government Interactions, Research Programs, and Long-Range Strategic Planning. The next major meeting of the group is planned for September.

GTRI Hosts Presidents' Group Meeting

GTRI is a member of an elite group of not-for-profit research organizations whose chief executives meet informally once a year to trade ideas, experiences and concerns. This year, GTRI hosted the group. The meeting was held March 29-31 at Callaway Gardens.

"We were invited to join four years ago," GTRI Director Don Grace said. "Our sponsor was a former member of our External Advisory Board, John McKelvey, who is president of Midwest Research Institute."

Other current member organizations are the Environmental Research Institute of Michigan, Riverside Research Institute, Syracuse Research Corporation, Southern Research Institute,

Research Triangle Institute, American Institutes for Research, and the Human Resources Research Organization. All attended the meeting except the last two.

"Each of us prepared in advance handouts about our respective organizations," Dr. Grace said. "Our meetings were frank, open discussions of matters of mutual interest, and no minutes were taken."

The group started in 1969, and GTRI first participated in 1988, represented by Bob Shackelford.

"We now have meetings in alternate years of human resources and fiscal administrators, held separately from the Presidents' Group," Grace said. Pat O'Hare represented GTRI at the 1989 human resources meeting.

Promotions 1990

Congratulations to the following 54 persons, who have been promoted, effective July 1, to:

Principal Research Associate/Engineer/Scientist/Technologist

Harry W. Andrews	SEL
Charlene W. Bayer	EDL
Charles P. Burns	STL
Barry J. Cown	ECSL
Eugene F. Greneker, III	RAIL
Robert N. Trebits	RAIL

Senior Research Associate/Engineer/Scientist/Technologist

Eric N. Barnhart	ECSL
Barry D. Bullard	EML
David C. Chapman	ECSL
Homer F. Cochran	STL
Wayne D. Daley	EDL
David R. Fentem	SEL
John Gilmore	EML
David R. Hendrix	OCA
Wiley D. Holcombe	EDL
Anthony Hynes	EML
James W. Larsen	EML
Frank C. Mewborn	EDL
Daniel J. Ortiz	EDL
Kirk E. Pennywitt	ECSL
William S. Petty	SEL
Brian Keith Rainer	STL
John P. Rohrbaugh	ECSL
Earnestine P. Smith	OCA

Irving Lee Stillman	STL
Bobby J. Wilson	ECSL

Research Associate/Engineer/Scientist/Technologist II

John M. Baden	RAIL
Robert W. Baggerman	ECSL
Jill I. Butterfield	RAIL
Barbara Evelyn Boyd	OCA
Laura M. Britton	EML
James M. Byrum	RAIL
Stephen V. Camp	STL
Richard A. Carey	EDL
Mark L. Demyanek	EDL
John P. Estrada	ECSL
John E. Fain	STL
Brian R. Farris	ECSL
Molly J. Gary	RAIL
Louis J. Haller	ECSL
James D. Hawes	STL
Thomas R. Hoshtrasser	STL
Stephen J. Hubbard	SEL
Robert A. Loebach	RAIL
David M. Loftus	SEL
William A. Meffert	EDL
Mark A. Mitchell	STL
Bradley S. Newton	STL
David A. Price	STL
David W. Roberts	EML
Stefan P. Roth	EML
Rochie E. Tschirhart	EDL
Stephen D. Tynor	EML
Guillermo Villalobos	EMSL

1990 Georgia Tech Child Care Survey

The Georgia Tech Child Care Development Center Committee is doing its part to help assure that Georgia Tech will remain competitive with the other top engineering and science schools in the U.S. by working to bring on-site child care to campus. If you have or are expecting to have a child in need of day care, then this survey is for you. We ask those not in need of child care (and those who completed this survey at the Child Care Fair) to pass this survey on to a student, staff, or faculty member who does. Please circle the appropriate responses and mail your completed survey to Richard Hall, P.O. Box 31029, CAMPUS, or drop it off at the Office of Graduate Studies in the Savant Building.

1. What is your academic classification?
Grad Undergrad Staff Faculty Is your household income \$30,000 or above?
Yes No
2. What is your age group? under 20 20-50 over 50 years old
3. Are you an employee of Georgia Tech (GRA, GTA, Coop, Work Study, etc.)?
Yes No
4. What is your present or planned child care arrangement?
• Day care center (child care for 19 or more children under the age of 18 years)
• Group day care home (child care for 7-18 children)
• Family day care provider (child care for 3-6 children)

- Preschool (half-day educational program for children 2-6 years of age)
 - Summer day camps and holiday camps for school age children
 - Before and after school programs for school age children
 - Sick child care (short-term day care for minimally ill children)
 - Sitter in your home
 - Sitter in her home
 - Family member
 - Combination of any of the above (specify)
5. What are the ages of your children needing day care (if more than one, specify)?
0-12 mos. 1 yr. 2 yrs. 3 yrs. 4 yrs. 5 yrs. over 6 yrs.
 6. How many hours per day do you require day care? 0-4 4-5 6-7 8 or more
 7. Do you require weekend or holiday service? Yes No Maybe
 8. Do you absolutely require "drop in" (e.g., only during class time) service? Yes No
 9. Rate your present child care arrangement. Excellent Good Fair Poor The worst
 10. Who is your present child care provider? If you would prefer to discuss this question with a member of our committee rather than answering it now, please write your telephone number here.
 11. We need help. If you would be willing to serve on our committee, please write your telephone number here.
 12. Your comments:

Library Liaison Named

Ann Campbell is the new Library liaison for GTRI. As a staff member of the Georgia Tech Information Services (formerly Research Information Services), she is the primary contact for assistance with literature searching and other research needs.

Ms. Campbell received a B.S. in mathematics from St. Louis University and her M.L.S. from the University of Southern California School of Library and Information Management. She was previously a reference librarian at the Health Sciences Library, East Carolina University, and at the Santa Barbara County (California) Medical Society Library. She also has been chairman of the Mathematics Department at St. Anthony's Seminary in Santa Barbara and a mathematician in the Thermodynamics Group at Lockheed Aircraft in Palo Alto.

She is an experienced on-line searcher and will be happy to hear from GTRI personnel at 894-4511 or via PROFS addressed to ACAMPBEL.

Employees Celebrate Milestones

GTRI retirees honored at the Annual Retirement Dinner May 24 were Marion Calhoun (EMSL), Ernest Donaldson (ECSL), Robert Moore (STL), Ernest Ruda (STL), and Hans Spauschus (OOD).

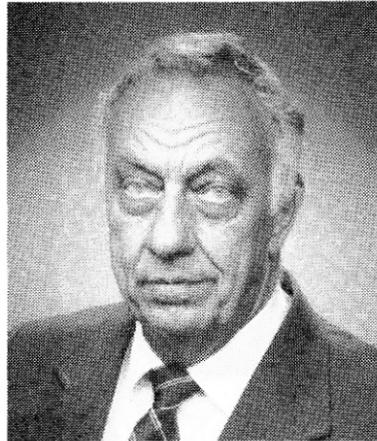
At the Faculty/Staff Honors Luncheon May 30, the following employees will receive Gold-T awards for 25 years of service: Bill Dittman (STL), Bernard Jenkins (ECSL), Tom Jones (FMD), Richard Moss (ECSL), Albert Mulliken (EML), Edward Weaver (ECSL), and Bob Zimmer (SEL).

In Memoriam: Tom Elfe

Thomas B. Elfe, Jr., a senior research scientist in the Energy and Materials Sciences Laboratory (EMSL), died of cancer April 24 at Piedmont Hospital. His funeral was held May 1 in Gainesville, Florida.

Tom came to Georgia Tech in 1976 after a 20-year career with Sperry Rand Corporation's Electronic Tube Division. At GTRI, he conducted optical, thermal and structural analyses of space-based and terrestrial solar thermal power systems. The advanced programs he wrote for optical modeling are still the standard used at GTRI today. He also was an expert on radar tubes, and was working on traveling-wave tube development and reliability studies at the time of his death. He is the author of two patents.

A native of Macon, Georgia, Tom received his B.S. in physics in 1948 from Georgia Tech, where



Thomas B. Elfe, Jr.

he was elected to ANAK, the student leadership society. He obtained master's degrees in physics and mathematics from the University of Illinois, and later worked there for five years as an accelerator engineer. He was a senior member of the Institute of Electrical and Electronics Engineers and a member of the

Association of Old Crows.

Tom is survived by his wife, Mary Ruth, and daughters Martha Ward, Carolyn Whinnery, and Doris Elfe. He was 63 years old.

John Handley, Tom's long-time friend and division chief, said:

"Tom was a thoroughly nice person, and everybody enjoyed working with him. Although he was a physicist, he was versatile and could make contributions to nearly any discipline. Tom also was an excellent role model for young engineers. He looked at every task as an engineering problem, and then set about solving it. We can't replace him. His combination of abilities can't be found in one person today."

Former EMSL Director Hans Spauschus added: "Tom was a true professional engineer. He was an outstanding performer who brought his extensive experience to bear on new problems and always looked at things with a 'can-do' outlook. He was a wonderful person to work with—steady and dependable no matter

the stress level. Tom also was an avid supporter of Georgia Tech athletics. He was a great guy, and we miss him."

Apparel

(from page 1)

military clothing made in the U.S. so we won't have to buy overseas," Lt. Gen. McCausland said. "Also, in the case of military mobilization, we might need to buy many uniforms very quickly, and we would need a supplier who can respond."

This year, AMTC is conducting 14 research projects in the areas of human factors, automated manufacturing, and management and production systems. The Center also has begun working with industry to implement the results of some of these projects, and has started a new program of problem-solving technical assistance to introduce advanced technology to apparel manufacturers.

PROFESSIONAL ACTIVITIES

ECONOMIC DEVELOPMENT LAB

Rick Duke presented a paper on the Rural Economic Development Initiative in April at a meeting of the National Association of State Development Agencies in New Orleans.

In mid-April, **David Swanson** spoke at the National Academy of Sciences Technology Transfer Workshop in Washington (DC). On May 3, he participated in the Federal Executive Management Program's Technology Transfer Seminar in Denver. His article, "Why Manufacturers Do and Don't Attend Educational Seminars," appeared in the March issue of the *Journal of the Small Business Development Center*.

Dale Atkins spoke on material handling at AM 90—Automated Manufacturing April 3 in Greenville (SC). On April 30, he addressed the Southeastern Fisheries Association annual meeting on the topic of "Import Impaction and the Trade Adjustment Assistance Center."

Chris Downing and **Charlene Bayer** appeared in a segment of the Georgia Public Television production, "Your World, Your Choice." Broadcast April 21 and 25, the program focused on how individuals can make a difference in their environments. The Tech researchers discussed indoor air quality in the workplace.

Craig Wyvill gave a presentation on "Ergonomics and the Meat and Poultry Industry" at the 32nd Meat Science Institute meeting April 25 in Athens (GA).

Tech Mate has signed a licensing agreement with Georgia Tech to market the Poultry Environmental Computer System (PECS) developed by **Wayne Daley** and **Richard Carey** of the Engineering Technology Branch.

ELECTROMAGNETICS LAB

Michael Cathcart presented a paper, "Synthetic Visible Imagery for Multi-Attribute Target Identification," at the SPIE Aerospace Sensing Symposium in Orlando April 16-20. **Albert Sheffer** was coauthor.

At a technical meeting on Optical Remote Sensing of the Atmosphere at Lake Tahoe (NV) February 12-15,

Gary Gimmestad presented a paper, coauthored by **Susan Bauman**, entitled "Autonomous Lidar System for Cloud Climatology." At the same meeting, **Edward Patterson** gave a paper, coauthored by **D. W. Roberts** and Gimmestad, on "Development of 1.54 Micrometer Eyesafe Raman-Shifted Lidar Systems."

ELECTRONICS & COMPUTER SYSTEMS LAB

Jim Coleman and **Stan Hughes** presented a paper, "Object Oriented Programming to Ease the Burden of DOD-STD-2167a," at the 7th Command and Control Decision Workshop AFIT at Wright-Patterson AFB in April.

Janet Leininger was a math/computer science counselor at the April 7 FUTURESCAPE, a high-technology career awareness program for young women.

At the IEEE AP-S International Symposium and URSI Radio Science Meeting in Dallas (TX) May 7-11, the following papers were presented: "Design of Broadband, Conformal, Spiral Microstrip Antenna," by **Johnson Wang** and **Vic Tripp**; "Scalar, Vector and Dyadic Green's Functions for Problems of Planar Periodicity," by **Wang** and **Eric Kuster**; "Analysis of Antenna Characteristics at Out-of-Band Frequencies," by **Wang** and **Jeff Fordham**; and "Applications of Scalar Periodic Green's Function to Numerical Solution of Planar Periodic Structures," by **Kuster** and **Wang**. **Wang** also co-chaired an URSI session on Numerical Methods.

Jeff Grover recently was appointed as a principal to the ACM Ada Joint Users Group, ARTWG. This year, he has been involved, with assistance from **Mark Pellegrini** and **Kelly Denny**, in the Joint Integrated Avionics Working Group (JIAWG) Common Avionics Baseline (CAB III) release for the Navy A-12, Air Force ATF, and Army LH programs. Participation includes procurement specifications for the software development environment, software reuse guidelines, processing archi-

ture, and development of an item certification process.

ENERGY & MATERIALS SCIENCES LAB

Several Materials Sciences Division staffers participated in the 92nd Annual Meeting of the American Ceramics Society (ACerS), held in Dallas (TX) April 22-26. **Kathryn Logan** and **Guillermo Villalobos** coauthored a paper with engineers

from the Ballistic Research Laboratory, Aberdeen Proving Grounds, which was presented at the meeting. The paper was entitled "Microstructural Properties of Combustion Synthesized/Explosively Consolidated Al₂O₃-TiB₂ Ceramics." **Logan** and **Jack Lackey** participated in the Engineering Ceramics Division's Executive Committee meeting April 22. She also was appointed chair of the division's Invited Speaker Committee. As chair of the Awards Committee, she presented awards for the best overall presentations made at the society's Annual Conference on Composites and Advanced Ceramics.

Also at the ACerS Meeting, **Jack Lackey** gave a paper on "Dispersed Phase BN + AlN Composites via Chemical Vapor Deposition," coauthored by **W. Y. Lee**, **P. K. Agrawal**, and **John Hanigofsky**. **Hanigofsky** presented a paper entitled "Novel Processing of YBa₂Cu₃O_x Films by Chemical Vapor Deposition." **GRA Mike Shapiro** presented "Substrate Interaction with Chemically Vapor Deposited YBa₂Cu₃O_x," and co-op student **Tom Moss** presented "Fabrication of Flexible High Temperature Ceramic Superconducting Wire by Rapid CVD." As a result of having won the local ACerS student chapter's speaking contest, **Moss** represented Georgia Tech in the Student Speaking Contest in Dallas.

At the Tri-Service/NASA Cathode Workshop in Cleveland (OH) April 3-5, **Wayne Ohlinger** chaired a session on Field Emitters and Other Non-Thermionic Electron Sources and made a presentation entitled "Review of Candidate Cathode Materials for Electric Space Propulsion Devices."

Walter Forrister presented a paper, coauthored by **Tom Starr**, entitled "Directional Reflectance from Textured Surfaces" at the Society of Photo-Optical Engineers' Symposium

on Optical Engineering and Photonics in Aerospace Sensing April 19.

Rosemarie Szostak presented a paper, coauthored by **Kristin Sorby**, entitled "High Resolution TEM of Aluminophosphates: Proposed Structure for AlPO₄-8" at the Materials Research Society Meeting April 18 in San Francisco. **Szostak** is an invited member of the Advisory Board of the International Zeolite Association.

Jan Gooch gave a presentation on "Preparation of Surfactantless High Gloss Alkyd Emulsions" to DSM Resins BV in Amsterdam, The Netherlands, March 19.

RADAR & INSTRUMENTATION LAB

RAIL hosted a Workshop for Electronic Counter-Countermeasures (ECCM) sponsored by the Wright Development Center at Wright-Patterson Air Force Base May 2-5. The workshop was organized and conducted by **Molly Gary**, **Rick Maier**, **Nick Currie**, and **Guy Morris**, with help from **Sandra Saxon** and others. Georgia Tech papers presented included: "Generalization and Extension of the Air-to-Air ECCM Technology Baseline Program Testing Methodology to the Radio Electronic Combat Vulnerability Analysis Standard," by **Marty Alexander**, **Jim Kurtz**, and **Allen Cochran**; "ECCM Testing Databases: Current Status and Future Plans," by **Molly Gary**, **Nick Currie**, and **Mike Brinkman**; "Jammer Location Techniques," by **Otto Rausch**; "Application of Two Advanced Digital Signal Processing Concepts to Airborne Radar ECCM," by **Jim Byrum**; "Threat Simulator Development," by **Rick Maier**; and "Radar System ECCM Performance Enhancement via Modern CFAR Design," by **Linda Harkness** and **Mel Belcher**.

RESEARCH COMMUNICATIONS

A second edition of **Jim Kloepfel's** book, *Danger Beneath the Waves: A History of the Confederate Submarine H. L. Hunley*, will be published soon by Sandlapper Publishing of Orangeburg (SC).

Joe Schwartz has received a Bronze Medal in the CASE (Council for the Advancement and Support of Education) Photographer of the Year competition. **Ginger Pinholster** shared in the Excellence in News Writing award announced last month.

QUESTIONS, ANYONE?

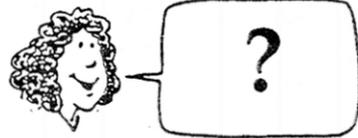
by Charles McCullough, HRD

I'm a research engineer and there are several options I'm considering to speed up completion of my advanced degree: going on a leave of absence, going on reduced time, or becoming a GRA. Which is the best course of action?

We covered the first two options in previous columns. This month we will address the third option. But first a clarification of a point made in last month's column on taking a leave of absence: Time during which you are on an educational leave of absence without pay to pursue an advanced degree may, as reported, be used toward your "years of service" with the Teachers Retirement System of Georgia. But you must purchase that time, and you can purchase it only after you have been back in your full-time position for a minimum of five years. For complete details, refer to page 8 of the current TRS handbook, *TRS Facts*.

Graduate Research Assistant

The Graduate Research Assistantship route is another option, but it's more complicated than you might expect. You can't just magically "become" a Graduate Research



Assistant or Graduate Teaching Assistant; instead, you must resign your position as a member of the faculty. After all unused vacation you had at the time of your resignation "transpires" time-wise, you may then, and only then, be reemployed with Georgia Tech as a student employee. This assumes, of course, that someone is willing to hire you as a GRA!

Salary: Your salary as a GRA or GTA is entirely dependent on what is offered to you by the unit in which you become employed. As a student employee, you will not contribute the usual 7.65% to Social Security, so your take-home pay will be closer to your gross than you're accustomed to; and you will not make any contributions to TRS.

Vacation and Sick Leave: Your last paycheck as a benefits-eligible employee will include pay for all unused vacation you have at the time of your termination, but all unused sick leave will be permanently forfeited and abandoned; if you have a large V-500 accrual, this is something to seriously consider before resigning.

TRS: Upon termination, you may withdraw the contributions you made to TRS; or, if there's a probability

you'll return to Georgia Tech or any other unit of the University System of Georgia after you earn your degree, you might find it advantageous to leave your TRS undisturbed. After your termination, your TRS account will continue to earn interest for another four years before it becomes frozen. (Once your TRS account is frozen, your contributions and the interest earned by your contributions are still available to you, but you earn no additional interest.) Then, when you return to Tech, you'll have those previous years of service with TRS still on the books without having to "repurchase" them later at a premium price. None of the time you spend as a GRA or GTA may be purchased to apply toward your TRS years of service.

Health Insurance: Your health insurance remains in effect through the end of the month in which you terminate from your benefits-eligible position. Under the provisions of COBRA, you may choose to continue to participate in the same group health insurance program in which you are currently enrolled (even if you have family coverage); however, you must pay your portion of the premium plus Georgia Tech's portion plus an additional 2%. The maximum amount of time during which you may continue to participate in Tech's group health insurance plans under the provisions of COBRA is for 18 months after your termination as a benefits-eligible employee.

Life Insurance: This remains in effect only for 31 calendar days from the date you terminated. If you wish to convert your group life insurance (basic or supplemental) to an individual policy, the Personnel Division will provide you with the name of the agent to contact, but the premiums for an individual policy will be considerably higher than the group premiums.

Educational Costs: As a GRA or GTA, you will no longer be eligible to receive tuition reimbursement via GTRI, but as a GRA or a GTA working at least one-third time and enrolled with the required course load (see GTRI Procedures Manual, Procedure 20-45), you will be eligible to enroll with a full course load at Tech for a payment of just \$25 plus fees for a total cost of approximately \$150 to \$155 per quarter. To be eligible for the GRA/GTA fees during any quarter, you must be employed as a GRA or GTA for that entire quarter.

Can you combine the best of two worlds and be employed as a GRA while you're on a leave of absence without pay from your faculty position? Absolutely not. Nor can you engage in any consulting activity with Georgia Tech while you're on a leave. As long as you are on a leave of absence, even if that leave is without pay, you may not earn compensation from Georgia Tech, from another unit of the University System, nor from a State of Georgia department.

GTRI Reps Elected to Faculty Assembly

The following 31 persons have been elected to represent GTRI on the General Faculty Assembly:

Administrative/Service: Bob Cassanova

EDL: Jaime Castro, Mark Demyanek, Bill Riall, Chuck Ross, David Swanson

EML: Gary Gimmestad, Tony Hynes, Bill Owens

ECSL: David Chapman, Hugh Denny, Paul Friederich, John Mills, Lisa Sills

EMSL: Jack Lackey, Paul Mackie

RAIL: Neal Alexander, Evan Chastain, Marvin Cohen, Guy Morris, Sam Piper

SEL: Linda Schuett, David Zurn, Kathy Schlag, Bill Miller, Sam Blankenship

STL: Andrew Dugenske, Anita Edwards, Joanne Nelson, Jeff Sitterle, Eugene Toph

PERSONNEL NEWS

ECONOMIC DEVELOPMENT LAB

Marlon Moses has been reclassified to electrical technician III in the Engineering Technology Branch.

Woody Hall of the Columbus Regional Office has resigned.

ELECTROMAGNETICS LAB

Dr. Samuel Ray Glidewell is a new RS II in the Electro-Optics Division's (EOD) Threats and Countermeasures Branch. His interests include mathematical modeling and simulation of electro-optical systems, noncooperative target recognition, signal processing, and nondestructive inspection systems. He comes to GTRI from Lockheed, where he was a staff engineer in an electronics research and development unit. He received his PhD from Georgia Tech.

Also in EOD, **Marvin C. Bell**, systems analyst III, and **Phillip Bryant**, electronics specialist, have been hired on a full-time basis. Other new employees are GRA **Kenneth Funk** and student assistants **Nathan**

Smith and Michael Coss. ELECTRONICS & COMPUTER SYSTEMS LAB

Al Beverly has taken a leave of absence to pursue the 7th District seat for the U. S. House of Representatives.

The Computer Science and Technology Division has hired former GRAs **Kelly D. Denny** and **John F. Wandelt** as RS I's.

RADAR & INSTRUMENTATION LAB

The Technology Development Division welcomes RE II's **Marilyn Smith** (Aviation Technology Branch) and **Jeff Smart** (RCS and Experimental Branch), GRA **Holly Bryan**, and co-op **Rick Rover**. The Modeling and Analysis Division welcomes student assistant **Richard Padula**.

Tim Washington and **Philip Moore** have resigned.

Marsha Cloud has been promoted to administrative assistant.

Julie and **Bruce Huitt** have returned from their assignment in Kwajalein.

SERVICE GROUPS

Congratulations to **Keith Hughes**, FMD, on his promotion to maintenance worker II. Good-bye to HRD's **Jean Fuller**, who has been appointed associate director for the National Consortium for Educational Access.

Personal Notes

ECSL: Condolences to **Bettye J. Dulaney**, who recently lost her brother.

EMSL: Cherie and **Everett Chapman** have a new son, Justin Michael, born April 17.

OOD: Student assistant **Yvette Hill** received the Most Outstanding Senior award at the Office of Minority Educational Development Awards Banquet April 18. The award was presented in recognition of her leadership contributions to the Georgia Tech community over the past year. She also received the Martin Luther King, Jr., Leadership Certificate.

HRD: Congratulations to Lene and **Rick Neidert** on the birth of a daughter, Leslie Eaves, May 1.

Graduate Research Assistantships Offered

The Georgia Tech Space Grant College/Consortium, located in the School of Aerospace Engineering, is offering limited graduate research assistantships to qualified female students and/or students in any underrepresented group. Applicants must pursue space-related coursework in their home discipline, e.g., aerospace engineering, chemical engineering, textile engineering, geophysical sciences, information and computer science, mechanical engineering, physics, chemistry, electrical engineering, materials

engineering, or applied biology. For information, contact Wanda Jeter, 853-0055.

Volunteers Needed

The Education Subcommittee of Georgia Tech's AIDS Task Force is seeking volunteer faculty, staff and students who are interested in becoming trainers in AIDS education programs that will be presented to Georgia Tech's students and employees. If you are interested, PROFS CMCCULLO or phone Charles McCullough, Human Resources Department, 894-3445, for further information.

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