

Whistle

THE GEORGIA TECH WHISTLE

VOLUME 16, NUMBER 9 - MARCH 1

Academic Leaders Brief Georgia Tech Foundation On New Colleges

By Jackie Nemeth

At the March 2 meeting of the Georgia Tech Foundation Inc., President John P. Crecine introduced Dr. Robert Pierotti, Interim Dean of the College of Sciences, and Dr. Fred Tarpley and Dr. Robert C. McMath, Associate Deans of the Ivan Allen College of Management, Policy and International Affairs. On March 15, Ivan Allen's birthday, Pierotti, Tarpley and McMath will assume their new roles.

Robert A. Cannon, senior vice president of the Procter and Gamble Co., will also become Interim Dean of the Ivan Allen College on March 15.

Tarpley said three milestones were overcome while creating the Ivan Allen College—melding COSALS and the College of Management into the new college's six schools/departments, establishing a joint and shared appointment policy, and assembling a core curriculum.

The college's schools include: Management, Economics, and Public Policy. Departments include International Affairs; Literature, Communication and Culture; History, Technology and Society; and Modern Languages. Military Sciences (Air Force, Navy and Army) is currently a separate unit in

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Senior basketball players Karl Brown, Johnny McNeil and Brian Oliver were honored for their career accomplishments before the Yellow Jackets final home game against Clemson. As the crowd gave the trio a standing ovation, (L-R) President John P. Crecine, Brown and McNeil looked on as Coach Bobby Cremins and Oliver hugged one another during the ceremony.

Ten Students Serve As Vice Presidents During First Tech Takeover Day

By Vera L. Dudley

Ten students won a chance to play the role of a Tech vice president for 24 hours on "Tech Takeover" Day, a fundraising activity sponsored by the Georgia Tech Student Foundation.

On March 1, the chosen few arrived at their temporary offices in corporate attire ready for a day of delegating, decision making, meetings, lunches and learning what being a vice president entails.

Participating students were Sonya Ko, an industrial engineering co-op student (executive vice president); Rob Schleich, a physics student (Planning, Budget and Finance); Zack Tyson, a senior management major (Strategic Planning); Vicki Adams, a junior management major (External Affairs); and Dale Fine, a Navy ROTC student (Operations).

Other student VP's included Melinda King, a senior building construction major (Facilities); Allison Bolles, a freshman management major (Interdisciplinary Pro-

grams); Anthony Priest, a graduate student in industrial and systems engineering (Information Technology); Jeff Weingartner, a senior industrial engineering major (Student Affairs); and Tish Knight, a sophomore in Textile Science (Alumni Association).

"I got a chance to find out exactly how Tech's administration was put together and how important it is to communicate," Fine said about his day.

Though students had separate schedules, two sessions were planned to bring all participants together to chat informally. At a mid-morning conference, the student VP's were given a chance to speak with President John P. Crecine about the "Tech Takeover" and campus issues, including the academic reorganization.

"We advocate a forum where you can come and talk to the students about what is happening and why it's happening," Adams said to Crecine during the conference. "A

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Abdel-Khalik Named To Position In Nuclear Engineering - Health Physics

Georgia Power Distinguished Professor Said I. Abdel-Khalik, has recently been named associate director for the Nuclear Engineering and Health Physics Programs (NE-HP) of the George W. Woodruff School of Mechanical Engineering by School Director Ward O. Winer. Winer announced the appointment and the new title for his position recently at a NEHP faculty and staff meeting.

"Based on my assessment of the needs of the NEHP programs at this time, and on my interview with the faculty, staff, and a cross section of students, I believe Dr. Abdel-Khalik is most qualified to provide the leadership we want for the program," Winer said.

Abdel-Khalik came to Tech three years ago from the faculty of the Department of Nuclear Engineering at the University of Wisconsin. He has held guest professorships at universities in Germany and Switzerland and is a member of the National Academy of Sciences Committee on the Future of Nuclear Power Development.

Abdel-Khalik has worked extensively with the Savannah River Westinghouse Co. in the effort to restart the Savannah River reactors. He has also served as consultant to numerous other agencies including the Advisory Committee on Reactor Safeguards, the Department of Energy Sandia Laboratories, the Electric Power Research Institute, and the Los Alamos Scientific Laboratory.

Abdel-Khalik did his undergraduate work in mechanical engineering at Alexandria University in Egypt. He obtained his Master's and Doctoral degrees in Mechanical Engineering from the University of Wisconsin-Madison where he was also a Postdoctoral Fellow in the Chemical Engineering Department and Solar Energy Laboratory.

He has directed more than thirty graduate theses and has published and lectured widely in the areas of nuclear reactor thermal hydraulics, reactor safety, inertial confinement fusion reactors, and fusion-fission hybrid reactors.



Margaret Barrett
Dr. Said I. Abdel-Khalik has been named associate director for the Nuclear Engineering and Health Physics Programs of the George W. Woodruff School of Mechanical Engineering.

Foundation . . .

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the college.

Joint and shared appointments, according to Tarpley, were seriously addressed by the Ivan Allen College's transition advisory committee because "these appointments are a faculty member's identity."

"A number of people were interested in secondary or shared appointments," Tarpley said. "Some faculty members were interested in working with three units."

Within this month, McMath said, the college's faculties will review and make their recommendations on the revised draft proposal for the core curriculum. Those recommendations will be transmitted through the normal channels to the appropriate committees of the Academic Faculty of the Institute.

One new characteristic of the college's core curriculum is that every student will have a non-major "concentration cluster," McMath said.

"The students would have a concentrated body of work in another discipline which may connect to their major courses," McMath said. "It could, in fact, lead to a dual degree."

The College of Sciences, according to Pierotti, will consist of biology, chemistry, earth and atmospheric sciences, mathematics, physics, psychology, and health and performance science.

A transition advisory committee and four working committees were established for this college. The undergraduate committee has dealt with establishing a core curriculum and recruitment issues. New undergraduate programs are being planned in discrete mathematics, earth and atmospheric sciences, and biochemistry.

Pierotti said the graduate com-

mittee is developing programs in areas such as discrete mathematics and biochemistry, as well as working on recruitment issues and stipends/workloads for TA's/RA's.

The space and facilities committee handles immediate needs in areas such as environmental sciences and "examines the need for a major scientific structure on this campus," Pierotti said.

The instrumentation and service committee is responsible for the inventory of available instruments and services, the funding and pricing of instruments and services provided, and recommendations for the college's future needs.

Pierotti said the Division of Fine Arts, to be housed in the College of Architecture, will include music, visual arts, drama/film/video and a Performing Arts Center.

Richard LeBlanc, professor of Information and Computer Science, said the College of Computing has created much excitement and interdisciplinary program possibilities with areas of engineering, management, mathematics and psychology.

"This college has the mission to be linked to all pieces of the academic world at Tech," LeBlanc said. "That interaction will be good for all of us."

Dr. Michael E. Thomas, executive director for restructuring, said the search for a College of Computing dean is attracting much attention.

"As I have talked with leaders in the computing field, no one is not interested in this new college," Thomas said. "Some of the leading people in computing are excited by this college's mission; that is a very gratifying experience."

Briefly...

Step Into The World Of SciTrek!

The March 29 meeting of the Georgia Tech Women's Forum will feature Executive Director of SciTrek Dr. Robert Rathburn. He will speak at noon in the Student Center Ballroom. Rathburn, who has provided years of respected leadership in academia and industry, has developed an interactive exhibit program that is expected to rank SciTrek as the premier science center in the country by the year 2000. Presently, SciTrek is ranked among the nation's top ten physical science museums.

Chorale To Tour California - The Georgia Tech Chorale, a mixed singing group of 65 voices which has toured extensively throughout the southeast, will tour California for the first time March 24 through April 1. The major work will be "Discovery and Praises" by San Francisco resident Conrad Susa, who is Composer-in-Residence at the Old Globe Theater in San Diego.

The Chorale's last performance in Atlanta took place at the Grace

United Methodist Church. The performance will be taped and played during finals week on WREK.

Retired Faculty Luncheon - The Sixth Annual Retired Faculty Luncheon is scheduled for March 23 in the Gordy Dining Room of the Wardlaw Center. Dr. Robert C. McMath, who will be the associate dean of the Ivan Allen College of Management, Policy and International Affairs, will give a presentation on the "History of Georgia Tech." RSVP to Pam Cotrell, Alumni Association at 4-2391 by March 16.

Hazardous Waste Incineration - The Georgia Tech Environmental Forum will sponsor a video viewing of "Burned," a film on hazardous waste incineration focusing on Taylor County, Georgia at 11 a.m. on March 12 in room 319 of the Student Center. Patrick Kessing, of the Georgia Environmental Project, will introduce the video. All members of the Tech community are invited to attend.

Maximize Your Computer Resources - The UNIX Management Update conference March 19-20 at INFORUM will enable technology decision makers to evaluate the advantages of UNIX in a business environment and the current issues facing its future. The conference features hands-on demonstrations of UNIX products by representatives of major computer companies and roundtable discussions among UNIX users and suppliers. The conference is one in a series of information technology educational programs and expositions for various applications managed by INFORUM. For more information call Meridith McGlon at 220-2103.

Classes For Tech Staff - The Personnel Division has scheduled the following development classes for March: March 19, 8:30 a.m. - noon - "Basic Employability Skill Training" Find out the keys to obtaining and keeping the ideal job. March 22, 9:00 a.m. - noon - "Performance

Appraisal" This course is designed for supervisors and managers with responsibility for preparing performance appraisals.

Igniting The Engine - On April 9 at 6:30 p.m., Frank Riley, president of the Society of Manufacturing Engineers, will speak on "Igniting The Academic/Industrial Engine of Progress" at the Microelectronics Research Center, Conference Room 102 A&B. For more information, call Mike Murphy at 4-6992.

Forum Seeks Global Warming Solutions In Design Contest

If you have a project, idea, expertise or interest in global warming and atmospheric health, the Environmental Forum is sponsoring a technological design contest focusing on these areas.

Entries may be technological or design projects which somehow alleviate global warming or improve air quality, or creative displays which serve to educate about these problems.

Completed and continuing projects will be highlighted on the Tech campus during Earth Week (April 16-20) and prizes for best projects will be awarded. Entries may then be displayed at the Piedmont Park EcoVillage on Earth Day (April 22).

In addition, Tech will be competing with other colleges across the country for a \$2,500 prize for technological innovation. This award will be presented by the National Wildlife Federation on Earth Day.

To receive more information or to enter a project in this contest, call Steve Donkin at 4-3700 or 755-4237 by March 23. The Environmental Forum's Earth Day subcommittee meets Tuesdays at 7 p.m. on the third floor of the Student Center.



Margaret Barrett
Dr. Gary Poehlein, acting vice president for Interdisciplinary Programs, (L) accompanies Allison Bolles to a meeting. Bolles took Poehlein's place on March 1 during Tech Takeover Day, sponsored by the Georgia Tech Student Foundation.

Student VP's . . .

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lot of students just don't understand what is going on."

Some of the students, like Adams, were able to bounce some ideas off of the real vice presidents and were impressed with the response.

During her day with Jim Langley, the "real" vice president for External Affairs, Adams discussed her visions regarding student/administrator relations.

"They are looking into designing a student advisory position on the Georgia Tech Advisory Board," she said. "We also talked about undergraduate recruiting. I suggested that additional thought be given to people who turned down Tech and that we learn the reasons for their decision."

Tyson was scheduled to make a speech at a gathering and was feeling quite insecure about an hour prior to his deadline.

"I haven't even finished writing it yet," he exclaimed. "I've been trying to get it done between meetings and things," he said, excusing himself to jot down a few more lines before the conference with Crecine.

In addition to learning about the formalities and tremendous amount of responsibilities that keep a vice president busy, some students were impressed with the way the real vice presidents interacted with people.

"I learned about the human factors. I noticed he did things that he doesn't have to do but does anyway," noted Weingartner of Dean Dull. "I was also able to deal with him on a business-like level." Weingartner is past president of his fraternity.

When John Carter, the "real" vice president and executive director of the Alumni Association, came into work Thursday morning, he had a pleasant surprise waiting for him.

"Tish (Knight) had done all my work for me — she read my mail

and did some invoices," Carter said. "We had her make some decisions about student projects that the Alumni Association is involved with, and we will go with her decisions."

Child Care Fair Coming March 15

More than 100 day care centers, family day-care providers, and referral services have been invited to share information and guidance at Tech's first Child Care Fair on March 15 from 10 a.m.-3 p.m. in the Student Center Ballroom. This event is sponsored by the Georgia Tech Child Care Development Center Committee.

Information will be available on care for mildly ill children and infant care, as well as how to start a day care service at home.

Parents and students will also have the opportunity to sign a new babysitting registry that the committee is starting for the Georgia Tech community. The committee will have a table at the fair so that interested parents can learn about Tech's child care plans.

President John P. Crecine appointed this committee last July with graduate students Randal Mandock and Jon Jenkins as co-chairmen. Mandock said the group is looking at long-term solutions for meeting employee and student child care needs.

"Hopefully this [solution] will be an on-site child development center that will provide not only excellent child care, but also an innovative multi-cultural educational program," Mandock said. "In the meantime, we want to give parents information on what their options are now, as well as get input from them on what they want."

All parents in the Georgia Tech community—students, faculty and staff—are invited to come and learn about their options for child care. For more information, call Margaret Horst at 4-3578.



Margaret Barrett

Vice President and Dean for Student Affairs Jeff Weingartner (L) and Vice President and Executive Director for the Alumni Association Tish Knight listen to their student colleagues' points of view during a meeting with President John P. Crecine on Takeover Day.

SUMMERSCAPE Ready For Second Season

After an enormously successful debut last summer, Tech is preparing to launch an expanded second season of SUMMERSCAPE, a mathematics and science enrichment program for middle school students. Rising seventh and eighth graders are invited to submit applications for this two-week non-residential program.

The program will be offered in two, two-week sessions: July 9-20 and July 30-Aug. 10. Students will be selected on the basis of their application and the recommendations of their teachers. Space is limited to 40 seventh graders and 40 eighth graders per session.

The cost is \$265 and includes all materials, supplies, lunch each day in the Student Center, a SUMMERSCAPE T-shirt, and transportation and admission fees for field

trip excursions. Limited financial assistance is available to students who otherwise could not attend this program.

All courses are taught by award-winning high school teachers. Courses offered in the first session will cover photography as a tool of science, energy, the environment and insects. Students in the second session will learn about electrochemistry, optics and physics. Students will also enjoy computer workshops, field trips, and supervised recreation.

Applications are available in the Administration Building, Room 306 and are due on April 6. For further information, contact Myrna Goldberg in the Office of Academic Research and Support at 4-8994 or at mail code 0330.

Co-Op Directors Receive Accolades At Conference

Three Tech Cooperative Division administrators received honors at the College-Industry-Education conference recently held in Lake Buena Vista, Fla.

William H. Hitch, director of the Cooperative Division, was recently presented the Alvah K. Borman Award. The award is given annually by the Cooperative Education Division of the American Society for Engineering Education to a professional who has made sustained, honorable and meritorious contributions to the promotion of the philosophy and the practice of cooperative education in the field of engineering or engineering technology.

Jack Mangham, assistant director, received this award in 1987, and received an award this year as a presenter in the "Best Session" at the group's 1989 conference in New

Orleans.

At this year's meeting, Tom Akins, associate director, was elected to chair of this national engineering co-op professional organization for 1990-91.

Whistle Break

Due to the spring break, the *Whistle* will not be published March 19 or March 26. The next issue will come out on April 2. Items for the April 2 paper must be sent to Jackie Nemeth, acting managing editor, mail code 0181, by noon on March 23. PROFS users may send *Whistle* items via electronic mail to JLNEMETH.

We appreciate your continued support, and we look forward to an active spring quarter at Georgia Tech!

Job Hunting?

If you're looking for employment opportunities, call the Job Line in the personnel office—ext. 4-4592.



Margaret Barrett

Sonya Ko took Executive Vice President Thomas E. Stelson's place on March 1. She and nine other students got to see Tech from an administrator's perspective for a day.

What's next

ACADEMICS

March 13 - Academic Senate meeting, 3 p.m., Physics Bldg., Lecture Rm. 1
March 15 - Last day to pay fees to retain early registration (phase I) schedule for Spring Quarter, 1990
Degree candidates will be released from classes at the close of regular classwork on March 15. All other students will continue in scheduled duties until the end of the term on March 24
Last day to apply for Cross Registration for Spring Quarter
March 18 - Final grades for degree candidates scheduled to graduate March 24, must be turned in to the Registrar's Office no later than 9 a.m., today
March 16 - Last day of classes for all students
March 19 - Degree candidates re-examinations. A degree candidate who has a single deficiency between him/her and graduation will be permitted one re-examination in that course
March 19-23 - Final examinations
March 20 - The last day for Registrar's Office to receive information for qualifying a student for March 24 graduation. Must be in by 12 noon.
March 23 - Last day for (1) degree petitions and/or reactivation of degree petitions and (2) approved programs of study for Master's candidates to be received by the Registrar's Office for June Commencement
March 24 - Commencement, W. Frank Blount, group president for the Communications Group for AT&T, 10 a.m., Alexander Memorial Coliseum
March 24 - End of Term
March 26 - All grades due in Registrar's Office from schools and departments by 9 a.m.

ARTS & ENTERTAINMENT

March 8 - Art Exhibit, Michael Tilson, "Paintings," Student Center Gallery, Mon.-Fri., 9 a.m. to 6 p.m., Weekends, 1 p.m. to 5 p.m., through March 30
March 19 - TTN, "Young Frankenstein," through March 24, Student Center, 1st Floor
March 20 - Midnight Munch: Pancakes, 10 p.m.-midnight, meal card-free, Student Center Cafeteria

LECTURES & SEMINARS

March 13 - CETL & Chemical Engineering Seminar, Richard M. Felder,

N.C. State, "How College Students Learn, How College Teachers Teach, and What Usually Goes Wrong With the Process," 11 a.m., Instructional Center, Rm. 215

Biology Seminar, Mark McLean, University of Illinois at Chicago, "Estrogen Effects on Cholesterol Transport," 11 a.m., Cherry Emerson Bldg., Rm. 320
School of Earth & Atmospheric Sciences Seminar, Robert A. Berner, Bateman Professor, Yale University, 3 p.m., Bunker-Henry Bldg., Rm. 457

Liberty and Audacity Symposium: French Telecommunications for the 21st Century, 3 p.m., call 874-2602

March 15 - Civil Engineering Series, I. Kabouris, Georgia Tech, "Real-Time Control of the Activated Sludge Process," 2 p.m., Mason Bldg., Rm. 105, refreshments served

Nuclear Engineering and Health Physics Seminar, John Sheffield, Oak Ridge National Laboratory, "Status of Magnetic Fusion," 4 p.m., ESM Bldg., Rm. 109
Material Handling Research Center Seminar, 11 a.m., Dah Chuan Gong, "AGUS Simulation Architecture," and Mimitra Vlasta, "Warehouse Efficiency Analysis: An Empirical Study," CRB, Rm. 238

College of Engineering Series, Jerry H. Ginsberg, Woodruff Chair in Mechanical Systems, "Acoustic Radiation From Submerged Shell Structures Using Variational Principles," 1:30 p.m., Paul Weber-SSTC Bldg., Lecture Rm. 2, refreshments served

SPORTS

March 16 - Women's Tennis vs. Alabama-Birmingham, 2 p.m., Bill Moore Tennis Center (BMTC)

March 13 - Men's Baseball vs. East Tennessee State, 4 p.m., Chandler Stadium

March 15-18 - Men's Baseball vs. New Orleans, 4 p.m., Chandler Stadium

March 17 - Men's Baseball vs. New Orleans, 2 p.m., Chandler Stadium

March 18 - Women's Tennis vs. Maryland, 10 a.m., BMTC

March 24 - Women's Tennis vs. Yale at Las Vegas, Nevada, 10:30 a.m.

March 24 - Men's Baseball, Rainbow Easter Tournament at Honolulu, Hawaii through Mar. 31 (Tech vs. Hawaii, Wright State, Oklahoma State, Iona and Creighton), call Sports Information at 4-5445.

March 25 - Women's Tennis vs. Loyola Marymount at Las Vegas, Nevada, 10:30 a.m.

March 26 - Women's Tennis vs. UNLV, 10:30 a.m., BMTC

March 30 - Women's Tennis vs. South Alabama, 9:30 a.m., BMTC

March 31 - Women's Tennis vs. Wake Forest, noon, BMTC

Classifieds

For Sale - Toyota Supra '87 Turbo, leather, automatic transmission, new tires, moving sale, 45K, \$13,900. Call Paul Vanderhorst at 4-5511.

For Sale - Queen-sized waterbed, mostly waveless; includes frame, pedestal, heater, liner, mattress, mattress pad, and 3 sheet sets. Good condition. \$230 complete. Call Tony White 528-7532 or 424-1003 evenings, PROFS TWHITE.

For Sale - 1988 Chevy S-10 pickup, power steering, brakes, A/C, AM/FM, 4,300 mi., excellent condition. Call Doug at 4-8614.

For Sale - Futon with 8 in. mattress, queen-sized oak, \$300; queen-sized bed, extra firm mattress, \$200; 24 in., 10-speed men's mountain bike, \$70. All like new, 8 mos. old. Call Shirley at 4-4350.

For Sale - Gas engine-powered lawn edger. Good condition. \$25. Call Phil at 528-7560 days or 552-8612 evenings.

For Sale - 3 BR, 2 full BA, large greatroom w/rock fireplace and cathedral ceiling, eat-in-kitchen w/cathedral ceiling, bonus room, 2 car garage, one acre on wooded lot, approx. 1,900 sq. ft., assumable loan, Paulding Co. Call Lynette at 528-7152 days or 443-2913 evenings.

For Sale - BMA/6 certified 10-speed bicycle. Green, 27 inch wheels w/odometer & speedometer. Needs new tires, good for recreational biking. Call Pam at 4-6016.

Wanted - Person to share a ride with from Fayette Co. to 10th Street area, both ways. Call Preston at 461-1146 or 487-9974.

For Sale - Brick house, Tucker, Gwinnett County Schools district, 3 BR, 2 BA, panelled den w/fireplace, new roof and kit. appliances, double carport, 1/2 acre fenced yard, located close to I-85 & 285 on quiet street. \$85,000 or best offer. Call Carol Hubbell at 491-0518 or Anni Hubbell at 4-3320.

Nominees Needed For New Human Relations Award

Realizing the need for and importance of cultivating an environment where value is placed upon the broader concerns of all humanity, the Georgia Tech Human Relations Award has been established by the Office of the President to reward those members of our campus community who are engaging in exemplary human relations work.

Minimum requirements for nominees are: 1) current full-time Tech employment, 2) continuous Tech employment for the past three years, and 3) demonstration of outstanding human relations in both personal and professional activities.

Nomination forms are available from the Office of Human Relations and must be returned by April 2. For more information, call Dr. Don Bratcher, director for the Office of

Human Relations, or Staff Assistant Janice Whatley at 4-8337 or at mail code 0325.

People

Management

Professor **Leonard Parsons** has co-authored a book, *Market Response Models: Econometric and Time Series Analysis*, which was recently published by Kulwer in its International Series in Quantitative Marketing. Parsons was a visiting professor at the Norwegian School of Marketing in Oslo during fall quarter 1989.

Aerospace Engineering

Dewey H. Hodges published "A Mixed Variational Formulation Based on Exact Intrinsic Equations for dynamics of Moving Beams" in conjunction with Proceedings of the American Helicopter Society National Specialists' Meeting on Rotocraft Dynamics in Arlington, Tex. Nov. 13-14, 1989. Hodges, along with Ali R. Atilgen, Mark V. Fulton, and Lawrence W. Rehfield, also published "Dynamic Characteristics of Composite Beam Structures" in conjunction with the same conference.

whistle

News for the Georgia Tech Community

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