The College of Architecture has announced the appointment of Professor Rufus R. Hughes II to the position of assistant dean of the College of Architecture. Hughes replaces Professor A. Frank Beckum, who passed away last April.

Hughes says he will have an "open door policy" for students, faculty and staff while he serves as assistant dean. "I see the role of assistant dean to be one of a servant-leader—to provide leadership in servicing the students, faculty and staff in order for them to expend their expert energies in the areas of teaching, learning and facilitating," Hughes says.

"I think the role of assistant dean is characterized by exemplary service at both unit and Institute levels. His promotion to assistant dean is much deserved, and we welcome him to his new role."

Hughes has spent most of his entire professional career in Tech's College of Architecture. He worked as a part-time instructor from 1966-73, and he was promoted to associate professor in 1973, professor in 1978, and professor in 1981. Before being named assistant dean, he had worked as the College's Director of Special Projects since 1982.

Since 1973, Hughes has worked full-time as a design critic for undergraduate and graduate programs in the college. He has also served on numerous councils and committees in the College of Architecture and throughout the Institute.

Hughes received his bachelor of science (1960) and bachelor of architecture (1961) from Georgia Tech. He also taught abroad in 1978 and 1981 as a design critic at the Ecole des Beaux Arts, Unique.

OMED Newcomers Bring Burst Of Energy To Recruitment Efforts

By Vera L. Dudley

Welcome Billie Hicks and Rafael Quinones, new assistant directors in the Office of Minority Educational Development (OMED).

Hicks and Quinones, long-awaited additions to OMED, came in quietly this summer with additional vision and energy needed to activate the plans administrators had to further recruitment efforts at Georgia Tech. Until recently, OMED Director William Gamble, Guy Vickers who now heads up the Southeastern Consortium for Minority Engineers (SECME), Secretary Sandy King and student assistants were responsible for the recruitment and retention of African-American, Native American, and Hispanic students on campus. These efforts include the institution and administration of several programs serving pre-freshman students to alumni.

"We try to make sure that we know of and have met every minority student that is enrolled at Tech," says Gamble. "OMED's aim is to represent and assist all of the minority students at Tech, not just the engineering students."

Right now, the total number of minority students enrolled at Tech is 1,340 and the additional professional manpower is expected to improve OMED's ability to meet many of those students' academic needs.

Quinones comes to Tech from the Navy where he spent eight years on active duty. His last three years were spent at the Naval Academy as the Hispanic marketing coordinator. He will be responsible for OMED's recruitment efforts. One of the ways in which Quinones plans to pursue minority students is by representing Tech in Hispanic organizations such as the League of United Latin American Citizens on their scholarship committee and the Society of Hispanic Professional Engineers. Hicks and Quinones are also looking at an all-inclusive approach to recruitment in order to provide a more balanced distribution of service.

"We need to get everybody together to participate as one."

See Hughes, page 2

See OMED, page 3
Hughes. . . continued from page 2

Pedagogue 7 in Paris and in 1988 and 1989 as a design critic at the Ecole d’Architecture, Paris-Tolbiac in Paris. In addition, he has traveled extensively within the U.S. and Canada, as well as to Belgium, Central Asia, East and West Germany, Great Britain, Finland, France, Italy, Norway, the Soviet Union, Sweden and Switzerland.

In addition, Hughes has made several presentations at the Ecole d’Architecture in Paris and at Georgia Polytechnic Institute in Tbilisi, Georgia USSR. He has also worked with Hughes & Durfee, Architects, Principal since 1976. Hughes’ professional memberships include the National Architects in Education Committee-American Institute of Architects (chairman-1987, steering committee member 1983-87), the Georgia Architectural Foundation-American Institute of Architects (member, board of directors, 1985-87), and the Atlanta Chapter of the American Institute of Architects (member, board of directors, 1982-1984).

Whistle Break

Due to the Thanksgiving holiday on Nov. 22-23, there will not be a Whistle coming out on Nov. 26. The next issue will come out on Monday, Dec. 3; deadline for submitting items to be considered for publication in that issue is Wednesday, Nov. 21.

News items may be sent to the News Bureau at mail code 0181 or sent to Whistle Managing Editor Jackie Nemeth via PROFS at JLNEMETH.

The Whistle staff would like to thank everyone in the Tech community for their ongoing support. Have a very happy and safe Thanksgiving!

Tech’s Interfraternity Council Sponsors Treasure Hunt

Georgia Tech’s Interfraternity Council, in conjunction with Georgia State University’s WRAS Radio (Album ’88) and U.S.Air, are sponsoring an event to benefit the Leukemia Society of America—“The Virginia-Highlands Treasure Hunt.” The Treasure Hunt is scheduled for Nov. 19-Dec. 6 and will pit a mind-teasing puzzle against those interested in winning one of many prizes, including a Grand Prize of roundtrip airfare for two, a weekend for two on Hilton Head Island and a weekend for two in Atlanta.

Tickets may be purchased at local area R. Dalton bookstores, Oxford Books and other area bookstores, as well as R. Thomas’ Grille, Careys and Azio’s in Buckhead.

Three restaurants in the Virginia-Highlands area (Atkinch Park, The Blue Nile and St. Charles Deli) will offer free appetizers and part of a rhyming clue to the puzzle upon redemption of a ticket. If the participant wishes to obtain another clue, they may purchase an entre at each restaurant to receive their part of the second and third clues. The fourth and final clue to the treasure will be broadcast on WRAS (88.5 FM) between Dec. 3 and Dec. 6.

For more information contact Kevin Krueetter at 892-8795.

Send Those Receipts!

Help Techwood Tutorial Project help others — send your Kroger receipts to TTP at mail code 0458. This is part of a student-organized, campus-wide effort to raise $400,000 in receipts to get computers for the two schools served by the program.

Researchers Are Developing New Workstation Technologies For Visually Impaired Users

By Toni Mills

A group of Tech researchers believe computer technology is leaving the visually impaired user behind.

Bill Putnam and Beth Baumgardner, research scientists in the College of Computing along with five students from the college, and John Goldthwaite, research scientist in Tech’s Center for Rehabilitation Technology, are presently working on making computer technology accessible to the visually impaired.

The group says modern digital computer workstations feature Graphical User Interfaces which allow the sighted user to work on several items at a time. The machines use windows, icons, menus and colors to guide the sighted user. This makes the computer very “friendly” to the sighted user, but leaves it completely inaccessible to blind users.

It is possible, the researchers believe, to construct an interface which replaces visual information with audio and touch information.

Hartley, McDowell Receive ASEE Awards

The American Society for Engineering Education (ASEE), presented awards to Dr. James G. Hartley and Dr. David L. McDowell, professors in the School of Mechanical Engineering, at the recent Southeastern Section meeting in Charlotte, N.C.

Hartley received the AT&T Foundation Award for excellence in the instruction of engineering students. He teaches and conducts research in heat transfer. The award consisted of a certificate and a $1,500 check.

As co-author of a textbook on thermodynamics, he received the 1986 ASEE Meriam-Wiley Dis-tinguished Author Award. From 1986-1989, he served as associate director for Graduate Studies in Tech’s mechanical engineering school.

McDowell was presented with the Dow Outstanding Young Faculty Award. In addition to recognition at the regional meeting, he received an expense-paid trip to the national ASEE conference in June. Among his honors are the ASME Henry Hess Award, Pi Tau Sigma Gold Medal, Alfred Nobel Prize, and SAE Ralph Teetor Education Award. McDowell is currently the associate director of the Mechanical Properties Research Laboratory and is a past NSF Presidential Young Investigator award winner.

The blind or visually impaired user would interact with the new system through a combination of voice, touch and keyboard input. The user would be able to select and manipulate objects in a 3-dimen- sional space created by stereo and other audio effects.

The researchers, believing that existing systems for the blind simply add audio information on top of a visual design, are creating an interface designed for the blind user. This new system would make the power of desktop computing available to blind and visually impaired users. The system would allow blind and visually impaired users to work side by side with sighted users using the same hard- ware and applications software.

Currently, the group is working on a prototype system which will include the basic elements of a typical desktop user interface. The platform for the system is the Unix workstation coupled with the MIT X Window System.

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Oliver And Samms Named Recipients Of 1990 Human Relations Scholarship

The Office of Human Relations has named James R. Oliver and Gavin A. Samms as the 1990 recipients of the first annual Georgia Tech Human Relations Scholarship. Oliver and Samms were presented their awards and recognized for their accomplishments at the Georgia Tech-Virginia Tech football game on Nov. 10.

Dr. Donald L. Bratcher, director for the Office of Human Relations, said the Georgia Tech Human Relations Scholarship was established by the Office of the President to reward Tech students who are engaging in exemplary human relations work. The scholarship, given in the name of Dr. Gregory H. Nobles, associate professor in the Department of History, Technology and Society and recipient of the inaugural 1990 Employee Human Relations Scholarship, recognizes the need for and importance of cultivating an environment where value is placed upon the broader concern of all humanity.

The award, which consists of a $1,000 scholarship, was to be awarded to the student who demonstrates exemplary human relations skills on and off campus and who was also in good academic standing. A tie resulted between Oliver and Samms, and they each received a $500 award.

"We have many students at Georgia Tech who are active in human relations work," Bratcher said. "Both of the award recipients are involved in a wide variety of human relations activities, and we wanted to recognize both students' accomplishments and activities."

Oliver, a M.S. student in nuclear engineering, is president and founder of the Georgia Tech chapter of Habitat for Humanity (1989-present) and a project leader and construction worker for Habitat for Humanity International (1986-present). He currently serves as treasurer and speaker of Students for Disability Awareness, as a member of the Campus Planning and Safety Committee, as a tutor in the Techwood Tutorial Program, and as a senator in the Graduate Student Senate. During this past summer, he was the primary researcher in data collection for an accessibility map of Georgia Tech in the Center for Rehabilitation Technology.

Samms, a M.S. student in industrial engineering, has worked with the Student Advisory Committee to the Office of Minority Educational Development since 1988 and coordinated "CHALLENGE," a minority summer engineering program for freshmen, this past summer. He also served as coordinator for Minority Education Week in 1989. In the Georgia Tech African-American Association, he served as vice president (1987-88) and on the Executive Board from 1988-present. He was a member of the Black Greek Alliance (1987-88) and was president of Omega Psi Phi Fraternity from 1988-89 and 1989-90. He has been involved with the Census Committee in the President's Office and currently works with the Techwood Homes Big Brother and Tutorial programs.

**People**

**Electrical Engineering**

Mark A. Clements recently traveled from Metz, France to Atlanta, Ga. to teach the Digital Signal Processing Short Course at Georgia Tech Aug. 31-Sept. 10. Clements is currently teaching at Georgia Tech-Lorraine.


**OMED... continued from page 1**

When people think of our office, they think of the African-American community," Quinones says. "We want to extend our assistance to the Tech community in general." Hicks is a former high school mathematics department chairperson and comes to OMED from SECME, where she was a program coordinator who managed and developed pre-college programs in eight southeastern states. At OMED, Hicks' concentration will be on retention efforts.

"I want to send out a personal invitation to all new students at Tech to come to the office and meet the personnel," Hicks says. "We will be providing them with academic counseling and with workshops that will address time and stress management, study habits, and adjustments to the Georgia Tech environment."

She says she feels particularly qualified for the job because she can relate to what many of the students here experienced.

"I went to a majority school quite similar to Tech," Hicks says. "This is significant because OMED is the home away from home to many students, and it is instrumental for the staff to be able to identify with their concerns."

**Job Hunting?**

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

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**What Your United Way Gift Can Do!**

Every little bit counts. These examples will help you see exactly how your United Way dollars are helping.

- **$2 a week** can provide 10 days of temporary housing for a homeless family.
- **$4.25 a week** can provide one month of day care for an economically disadvantaged child.
- **$7.90 a week** can provide an indigent diabetic with medical supplies and educational support for four months.
- **$8 a week** can provide five visits by a nurse to a homebound patient.
- **$9.65 a week** can provide one week of groceries to 20 disaster victims.
- **$12.35 a week** can provide shelter and counseling for a battered woman and three children for two weeks.
- **$17.60 a week** can provide an elderly shut-in with home-delivered meals for 10 months.

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Norton Receives Good Reviews On His New Book

Dr. Bryan G. Norton, professor in the School of Public Policy and widely known expert in environmental philosophy, recently received favorable reviews on his book, *Why Preserve Natural Variety?*, by David R. Given, of *Bioscience*. Paperback publication of Norton's book was also announced in the Princeton University Press 1990-91 catalogue.

Given said, "[Bryan Norton] seeks to offer directions, to stimulate readers to ask the right questions, and to clarify some of the fuzzy thinking that pervades sections of the conservation movement. I found this a helpful and well-structured book written with a clarity of style and logic not always found in philosophic treatises..."
ACADEMICS
December 3 - Deadline for Graduate Admission & Readmission applications for Winter Quarter 1991

ARTS & ENTERTAINMENT
November 19 - Best Teaching Award, 11 a.m., Student Center, P.O. Lobby, through Nov. 25
November 26 - OPTIONS Ornament Gussying Contest, 8 a.m., Student Center Programs Area

November 27 - Concert: Irene and the Nuclear Pocketbooks, 11:05 a.m., Student Center Stage

November 28 - Holiday Craft Fair, 10 a.m.-5 p.m., Student Center, through Nov. 30

November 30 & 31 - Movie: "Pretty Woman," 7 p.m., 9:30 p.m. & midnight, Architecture Auditorium, $8

LECTURES & SEMINARS
November 19 - Institute of Paper Science & Technology, Paul A. Lemke, Auburn University, "Transgenetic Manipulation of a Mycorrhal Fungus for Biocontrol in the Rhizosphere," 11 a.m., Mead Learning Center, 555 14th St. Call 853-9701 for more information.

College of Computing Colloquium, Prasun Dewan, Purdue University, "An Overview of the Suite User Interface Development Environment," 2 p.m., College of Computing Bldg., Rm. 201

Aerospace Engineering PH.D. Dissertation Presentation, Hau-Wei Chang, "An Experimental Investigation of the Leading Edge of Diffusion Flames," 8 p.m., Montgomery Knight Bldg., Rm. 317

November 21 - Institute of Paper Science & Technology Seminar, Daniel T. Bunker, Ph.D. Student, IPSI, "The Influence of Drying Rate on the Z-Dimensional Pore Volume Distribution in Coating Films," 1:15 p.m., Instructional Center, Rm. 211

Chemical Engineering Seminar, Sypios Svoronos, University of Florida, "Quality, Impact and Nonlinear Control of Nonlinear Structural Systems: Analytical & Experimental Results," 3:05 p.m., SST Bldg., Rm. 2

Chemistry & Biochemistry Seminar, Larry Faulkner, University of Illinois-Urbana, 8:30 p.m., Boggs Bldg., Rm. BEA

November 20 - Institute of Paper Science & Technology Seminar, Paul Berraing, U.S. Dept. of Agriculture, "Effects of Ozone and Acid Rain on Growth of Loblolly Pines," 11 a.m., IPSI, Rm. 270

December 4 - CIMS Seminar, Ben Kaski, Hayes Microcomputer Products, "Implementing Surface Mount Technology," 4 p.m., Instructional Center, Rm. 211

Chemical Engineering Seminar, Friedrich Siersch, University of Minnesota, "Transition States During the Life of a Call," 4 p.m., Burger-Heery Bldg., Rm. 311

ATHLETICS
December 1 - Football vs. the University of Georgia, 1 p.m., away

Personnel news

The Personnel Division's Brown Bag Lunch Seminar Series will offer "Planning Your Christmas Budget" on Nov. 28 from noon-1 p.m. Learn how to develop and use a Christmas budget to avoid overspending and excessive debt.

Applications for the Winter Quarter Staff Tuition Reimbursement Assistance Program (STRAP) are now available, and the deadline for applications is Friday, Nov. 30.

STRAP is open to all permanent, full-time classified employees who have at least one full year of employment. The maximum amount of course work eligible for reimbursement is six credit hours per quarter or four credit hours per semester.

The Winter Quarter Skills Development Program offered by the State Merit System is tentatively scheduled to begin on Jan. 7, 1991. The Skills Development Program offers employees the opportunity to learn new skills and develop their present skills. Regular attendance is required and hard work is involved. Employees must obtain full support for attending classes from their supervisors.

The following courses are tentatively scheduled: Accounting I, II & III; Business English I & II; Business Math I & II; shorthand I & II; Typing I & II; and Typing Speed and Accuracy.

These courses usually meet for two hours a day, two days per week for 10-12 weeks. Employees are expected to purchase their own books, which can range from $10-$32, depending on the course. More detailed descriptions of course offerings are available.

Registration forms for the Skills Development Program are due by Nov. 21 and can be obtained from Deborah Covin Wilson, staff development manager of the Personnel Division, mail code 0435. A service fee of $3 per credit hour will be charged to participants. Employees can contact their supervisors to get their work schedule approved by the Personnel Division.

Liabs Receives Engineering Award

Dr. Steven Y. Liang, assistant professor in the George W. Woodruff School of Mechanical Engineering, has been chosen to receive a 1991 Robert B. Douglas Outstanding Young Manufacturing Engineer Award by the Society of Manufacturing Engineers (SME).

The award recognizes Liang's "significant achievements and leadership in the field of manufacturing engineering as a young engineer" and will be presented at the North American Manufacturing Research Conference (NAMRC) in 1991. Liang, who holds a Ph.D. degree from the University of California-Berkeley, came to Tech in January 1990 from the faculty of Oklahoma State University. His research interest is in manufacturing process monitoring and control, where one of his contributions has been the establishment of analytic emission sensing methodology for automated machining processes.

Liab is a member of the American Society of Mechanical Engineers, the American Society for Engineering Education, and the North American Manufacturing Research Institution/SME.

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News for the Georgia Tech Community

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