

Station News

Georgia Tech Engineering Experiment Station

VOLUME II NUMBER 8

JUNE-JULY 1981

EDL Moves To Campus

Keeping one short step ahead of a demolition crew, the Economic Development Laboratory moved in June from its former home in the Atlantic Steel building at 16th and Techwood.

The administrative group, headed by Lab Director **David Clifton**, and the Applied Research Division have joined the Industrial Extension Division on the second floor of the O'Keefe building. The Applied Research Division includes EDL's Community Training and Development Group, the Economic Analysis Group, and the Transportation Systems Group.

EDL's Business Development Division, including the Minority Business Development Group, the Occupational Safety and Health Group, and the Trade Adjustment Assistance Center, has established itself on the second and third floors of the Hinman building.

Fitting EDL into existing space on the campus necessitated a great deal of planning and preparation, particularly for the move to Hinman. Under the direction of Manager **Tom Jones**, EES's Facilities Management Department renovated old offices, laboratories and storage areas on the ground and second floors of Hinman into attractive offices. The department installed dropped ceilings, some partitions, new carpeting, a small central air-conditioning unit and several window units, and painted all of the new offices. These renovations have measurably improved the usability of the Hinman building.

Other space in Hinman was made available to EDL as a result of several



EDL's **Jerry Jackson** (left), **Nick Gibson** and **Hardy Taylor** (right) are among those employees who have moved their offices from the Atlantic Steel building. Jackson's Applied Research Division and Gibson's Economic Analysis Group are now in the O'Keefe building. Taylor's Business Development Division is now working in the Hinman Research building.

units moving from Hinman. **Bob Cassanova**, associate director of the Energy and Materials Sciences Lab, moved to the Baker building. Security Services, headed by **Al Becker**, and Principal Research Engineer **Archie Corriher** moved their offices to the Electronics Research building. Research Property Management, headed by **C.E. Smith**, went to O'Keefe. Other personnel shifted and consolidated office space within Hinman.

EDL's O'Keefe contingent has settled into space formerly occupied by Basic Data and the Manufacturing Technology Center.

With few exceptions, telephone numbers have not changed for personnel involved in these moves.

O'Keefe Is First Site For ATDC

The Advanced Technology Development Center (ATDC) got a big boost with the recent allocation by Governor **George Busbee** of \$485,000 to renovate the ground floor of O'Keefe as temporary housing for fledgling high-technology firms.

An outside contractor is scheduled to begin work on the major task of repair and modernization. In addition to interior improvements, the exterior will be landscaped and a central shipping area and parking lot will be constructed. The entire job will take three to six months to complete. It will provide low-cost work space for 10 to 12 businesses until the \$5.1 million ATDC

(Continued On Page 2)

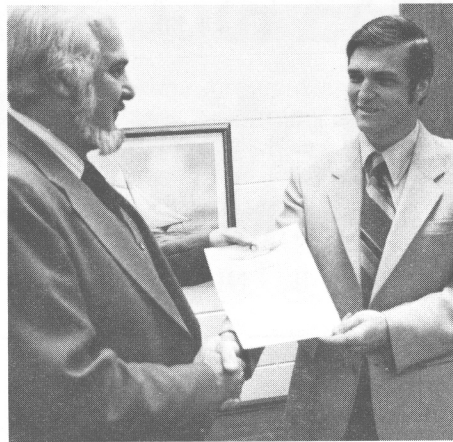
Scoville Wins Prize

EES Gets New Parts Stockroom

EES is getting a long-needed electronics parts stockroom, thanks to the good luck of one of the Station's engineers.

John Scoville, head of the Computer Technology and Applications Division of ECSL, recently won a \$10,000 drawing sponsored by Hamilton Avnet Electronics. Scoville had entered the company's "Million Dollar Parts Sweepstakes" on behalf of EES. His prize is the largest offered in the Southeast by the electronics parts distributor.

Hamilton Avnet has presented a certificate of credit for \$10,000 in parts to the Georgia Tech Research Institute.



Ed Laughlin (left), field sales representative for Hamilton Avnet Electronics Company, gives John Scoville a certificate of credit for ordering \$10,000 in free parts from the company.

Scoville will soon begin collecting inventory for the new stockroom.

"I'll be ordering items which usually require around six to eight months to get," he said.

Two Unsung Heroes Save Lives

Most of us live out our days without ever having the opportunity to save another person's life. But two EES staffers recently were in the right place at the right time and rose to the occasion magnificently.

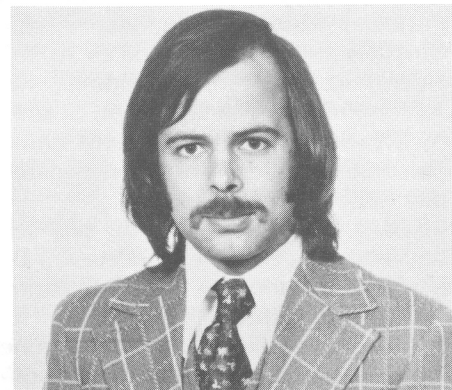
Jerry Webb of the Research Public Relations Office prevented a young woman from jumping off the expressway bridge at North Avenue on June 17 as he was walking to the Varsity restaurant for lunch. **George McDougal**, Systems Engineering Lab engineer on temporary assignment at Eglin Air Force Base, Florida, rescued a

teenager from drowning at the beach one weekend.

Hats off to these men, who saved lives at the risk of their own.



Jerry Webb, Research PR Office



George McDougal, Systems Engineering Lab

ATDC, Continued

building is erected on the campus in the next couple of years.

ATDC currently has 24 new businesses in its entrepreneur development program. One of them, a microcomputer firm, already has moved into O'Keefe. Other functions of ATDC, according to Associate Director **Wayne Hodges**, are to recruit new high-technology firms to the state, to help existing Georgia companies expand into high-tech product lines, and to conduct educational programs in advanced technology business development.

Second Airplane Is Given To EES

EES has secured a second airplane to be used as an airborne laboratory for electronics-related testing programs. Formerly owned by NASA, the Convair 340 airplane was given to the Station by the federal government.

The aircraft will be used by EES research groups under the supervision of **Lee Edwards**, associate director of the Systems Engineering Lab. "NASA's maintenance on the plane was superb," says Edwards. "It's in top-notch condition and comes to us with a large stock of spare parts."

Presentations, Av

ECONOMIC DEVELOPMENT LAB

Ed Lewis, director of EDL's Industrial Extension Office in Albany, has been elected to the board of directors of the Southwest Georgia Chapter of the American Institute of Industrial Engineers.

Judi Komaki presented a paper to the Association for Behavior Analysis at a meeting in Milwaukee, Wisconsin. Her paper was on "Wanderlust in the Workplace: Stalking the Safety Trail."

Bill Spain directed and presented two continuing education courses in April at the 1981 American Occupational Health Conference held in Atlanta. At the same conference, **Robert Hawkins** presented a lecture on ergonomics during a course on occupational health hazards. Spain also presented a paper in May on "Other Safety and Health Professionals — Their Tools and Techniques" to the Georgia Association of Rehabilitation Nurses at Emory University.

ELECTRONICS & COMPUTER SYSTEMS LAB

A paper coauthored by **Joseph Seals** and **Cliff Burdette** was accepted for the 1981 Microwave Power Symposium held in early June. The paper was on "Comparison of the Dielectric Properties of In-Vivo Rat Brain, Muscle and Tumor Tissues."

The Biomedical Research Division of ECSL will be heavily involved in the Bioelectromagnetics Society's third annual meeting in Washington, D.C., on August 10-12. Seven coauthored papers from the division will be presented at the conference. Authors

EES "Old-Timers" Honored



The Convair 340 is slightly larger than the Station's Convair 240. Among other attributes, it can carry somewhat heavier loads. The second plane gives EES the capability to carry out two simultaneous flight tests, or to perform tests requiring two aircraft flying cooperatively.

Awards & Honors

are **Ron Seaman, Cliff Burdette, Jim Toler, Bernard Jenkins, Daniel Schaefer, Allan Moser** and **Paul Friederich**. Several of the papers benefited from the inputs of Tech students **Linda Conradsen** and **Gwendolyn Murdock**, and Emory professors **Robert DeHann** and **Vojin Popovic**.

ENVIRONMENTAL & MATERIALS SCIENCES LAB

In June, **James Hubbard** made a presentation to an Environmental Protection Agency conference in Washington, D.C. He talked about problems associated with asbestos material used in buildings.

Kathryn Logan attended an American Institute of Chemical Engineers course on "Ceramic Powder Processing" in Washington, D.C. in May. She also presented a paper to the annual meeting of the American Chemical Society in May on "Feasibility of Directional Solidification of Lanthanum Hexaboride in a Boron Matrix."

Abol Azhar presented a paper in May to the Third Symposium on Biotechnology in Energy Production and Conservation held in Gatlinburg, Tennessee. The paper was on "Factors Affecting Alcohol Fermentation of Wood Acid Hydrolyzate."

RADAR & INSTRUMENTATION LAB

Gene Greneker attended the 1981 Carnahan Conference on Crime Countermeasures in Lexington, Kentucky, in May. He presented a paper on "Police Radar Countermeasures and Electronic Countermeasures: Electronic Warfare Games On Our Nation's Highways." Gene did such a good job that he was made an honorary Kentucky Colonel.



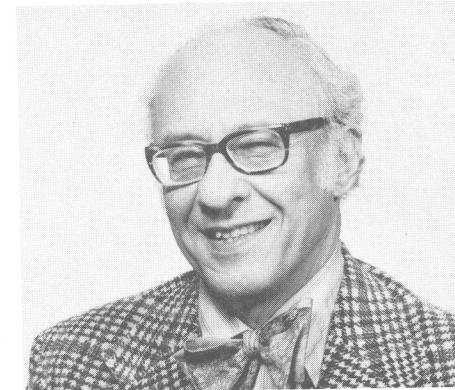
Barbara Allen, Supply Services Manager



Doug Robertson, Principal Research Engineer



Ila Benson, Senior Secretary



Bob Cassell, Principal Research Scientist

It is with regret and perhaps a tinge of envy, too, that we note the retirement from EES of **Barbara Allen**, manager of the Supply Services Department; **Ila Benson**, senior secretary, and **Bob Cassell**, principal research scientist, Economic Development Laboratory; and **Doug Robertson**, principal research engineer, Electronics and Computer Systems Laboratory, and director of the Electronics Technology Laboratory until he began phasing into retirement.

They were honored at Georgia Tech's Retirement and Awards Dinner on May 26, receiving hand-blown glass "yellow jacket" mementoes of their years at Tech. Receiving Gold-T pins for 25 years of service were: **Bob Hayes**, principal research engineer, Radar and Instrumentation Lab; **Dick Johnson**, senior staff, Electronics Labs; and **Rudy Yobs**, EES associate director, Resources Labs.

With unruffled composure and an unflinching sense of humor, **Barbara Allen** has helped numerous project directors meet seemingly impossible purchasing requirements. Barbara will celebrate her new-found freedom by indulging in a bit of traveling with her sister.

Bob Cassell joined the Economic Development Lab in 1960, followed a year later by **Ila Benson**. An internationally known industrial and economic developer, Bob will be best remembered at Tech for the training in industrial development he gave to leaders in hundreds of towns all over Georgia, the Southeast, and as far away as the island of Guam. During most of these years, Ila ably served as Bob's right hand. Bob's and Ila's retirement is only "semi," however. They have opened a part-time office for the Southern Industrial Development Council, of which Bob is past president and currently executive director.

Except for a two-year interval, **Doug Robertson** has been a research engineer at EES since 1951. He became head of the Communications Branch in 1962 and directed its evolution into the Electronics Technology Lab, which he directed through December, 1980. Doug's distinguished career has encompassed R&D in communications techniques, speech systems, electromagnetic compatibility, and electronic systems. He's looking forward to having more time to work in his garden and on home improvement projects.

New Employees Join EES

ECONOMIC DEVELOPMENT LAB

EDL welcomes **Jim Mercer** as chief of its Industrial Extension Division. Mercer has formerly served as vice president and partner of Korn/Ferry International and as general manager, southern operations, Battelle Memorial Institute.

Jim Thomas, research associate I, is

now associate program manager of EDL's Trade Adjustment Assistance Program. **Verna Hankins** has been promoted to staff assistant in the same program.

ENERGY & MATERIALS SCIENCES LAB

EMSL's Biomass Conversion & Utilization Division welcomes a new chief: **Zenon Redkevitch**, a former employee of Owens-Illinois, Inc., of Toledo, Ohio.

RADAR & INSTRUMENTATION LAB

Congratulations to **Mark Corbin** on the birth of a new daughter, Sarah Joy Corbin. RAIL also welcomes five new employees: Senior Research Engineer **Carl Cash**; Student Assistants **Steve Johnson** and **John Vandegrift**; Drafter **Kathy Farrill** and Research Technician I **Dave Gerber**.

SERVICE GROUPS

The Personnel Services Department regrets losing two employees. **Jean Ann Teague**, personnel assistant I, has moved to Texas. **Julie Hope**, clerk I, is going back to school full-time. **Ann Alexander** has transferred from EDL to assume Jean Ann Teague's position.

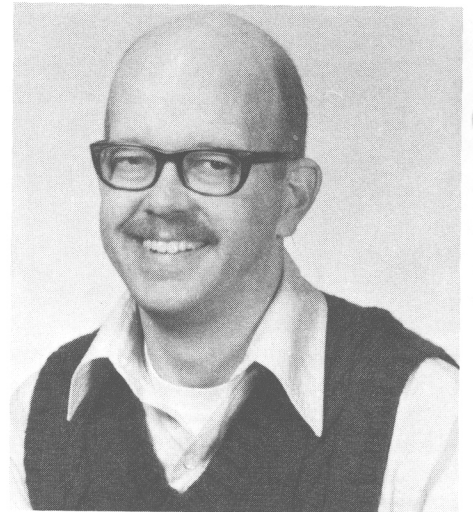
The Accounting Department congratulates **Ken Avery** on his recent graduation from Mercer University and his marriage to Pam Joiner. **Evelyn Crowner**, a former employee of the department, has rejoined the accounting staff.

Yoriko Scott, Supply Services Department, has resigned to pursue a career in the Navy.

SYSTEMS ENGINEERING LAB

Several individuals within SEL have assumed new positions. The new assignments are: **John Passafiume**, head of the Advanced Digital Systems Branch; **William Youngblood**, head of the Applied Systems Branch; **Lloyd Lilly**, manager of the new Techniques Analysis Program Office; **John Timar**, manager, and **Donald Gordon**, associate manager of the new TAC ZINGER ECM Program Office; and **David Flowers**, head of the new Advanced Countermeasures Branch.

Congratulations are extended to: **Eric Berkobin** on his marriage to Dee Ann Larkin; **Ronald Creswell** for receiving his master's degree in electrical engineering; and to **James**



David Flowers is now head of SEL's Advanced Countermeasures Branch.

Thomas on the birth of daughter Mary Elizabeth Thomas.

Four new employees have joined SEL: **Robert Ray**, research engineer II; **Tony Rampey**, research scientist I; **John Lee**, electronics technician II; and **John Allen**, senior secretary. Drafter **Barbara Hamilton** resigned her position in June.

SYSTEMS & TECHNIQUES LAB

John Loizos has joined STL's Defense Electronics Division as an hourly co-op. **Barry Sharp** and **Len Cayce** of the same division received their master's degrees in electrical engineering in June. Congratulations are given to **Mike Ellis** on his June marriage to Mary Kathryn Ellis.

1981 Promotions

Thirty-five engineers, scientists and technologists have received promotions for the coming year. Congratulations are due to the following people for their advancement to:

Principal Research Engineer/Scientist:

Donald G. Bodnar	STL
Judi Komaki	EDL
Billy R. Livesay	EML
Robert W. McMillan	EML

Senior Research Engineer/Scientist/Technologist:

John L. Barkshadt	SEL
Mahendra K. Bery	EMSL
Lucien C. Bomar	RAIL
John H. Bordelon	SEL
William S. Bulpitt	TAL
E. Clifton Burdette	ECSL
J. Clark Butterworth	RAIL
Thomas F. McGowan	TAL
Robert C. Michelson	RAIL
James C. Muller	EDL
Ekkehart O. Rausch	RAIL
Donald S. Sanford	SEL
Hampton L. Teague	EMSL
Charles S. Wilson	ECSL
Paul H. Wine	EML

Research Engineer/Scientist II:

R. Dale Atkins	TAL
Larry E. Banta	TAL
Len B. Cayce	STL
Ronald E. Forsythe	EML
Donald L. Gordon	SEL
Jeffrey L. Grover	SEL
Herbert M. Harris	EML
Keith R. Harris	STL
Derrold W. Holcomb	EML
M. Andrew Lipscomb	SEL
Rachel L. Moore	TAL
David L. Odom	RAIL
John W. Peifer	RAIL
Orman A. Simpson, Jr.	EML
Stephen P. Stuk	RAIL
Charles E. Summers	RAIL

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Editor

Jackie Erney 3405

Associate Editors

Dee Ramunno, OOD 3400

Anthony DeCurtis, EDL 3844

June Wilson, EDL 3836

Gayle Tucker, EML 3500

Gayle Hudson, ECSL 3542

Charlotte Sanders, EMSL 3460

Margaret Textor, EMSL 3530

Ginny Gross, EMSL 3589

Maggi Rampling, RAIL 424-9621

Janice Manders, SEL 3519

Cindy King, STL 424-9647

Virginia Keller, TAL 3475

Kathy Fuller, Service Groups 3445