

STATION NEWS



ENGINEERING EXPERIMENT STATION • GEORGIA TECH

VOLUME 2 NUMBER 1

FEBRUARY, 1973

HARRISON WINS 1972 ABOU

EES, Dec. 22, 1972 – Highlight of the EES Christmas Party on Friday before the Holidays was the annual Abou Award to Dr. Gordon Harrison, Assistant Director for Applied Sciences. His citation, presented to him by last year's winner, Dr. M. W. Long, follows:

ABOU AWARD FOR 1972

As usual, we have had many at the Engineering Experiment Station who have suffered this year in the name of research. However, as you know, the "Suicide Clause" in the rules for the ABOU Award prevent its being given to anyone whose suffering is self-inflicted, and this wipes out many otherwise worthy recipients.

However, the ABOU Award Committee had little difficulty in recognizing that Dr. Gordon Harrison has inherited more problems in less time with less tendency toward self-infliction than almost anybody before him. Our only question is: How could anybody get into such a situation without realizing his predicament sooner????

Among the many tribulations that Dr. Harrison has had to face during 1972 were:

- Having to personally take the Nuclear Reactor to a service station to get its safety inspection sticker renewed.
- Having to be an enlisted orderly to General College.
- Having the Hart (Ray that is) cut out of a good proposal.
- Having Wall-to-Wall discussions over a Florida Power & Light Company project.



Gordon Harrison 1972 ABOU Winner

- Wanting to teach a course but finding the quarter over before the required 86 approval signatures could be obtained.
- Doing his bit for ecology by having a biodegradable research unit for the General College.

When Dr. Harrison came to Georgia Tech about a year ago, little did he realize that the EES Director had been searching hard and "long" for somebody to head up a department in which he could lump, once and for all, all his problems. When formed in March of this year, this department was euphemistically called Applied Sciences. Dr. Harrison's optimistic outlook and cheerful attitude were hard to believe, and the Director decided he had such a good thing going so he heaped another appointment on him in April – namely, Acting Chief of the Physical Sciences Division.

One field in which Gordon had to quickly become knowledgeable was that of electron microscopy. He did,

in fact, so quickly become an expert that he was assigned the job of refereeing a new development involving our collaboration with a commercial laboratory to jointly furnish electron-microscopy services to industrial clients. The Director now calls Dr. Harrison "my personal Dr. Kissinger."

In selecting Dr. Harrison, the committee of former ABOU winners fears that unless ABOU really shifts into high gear in his ability to prevent suffering in research, Gordon might become permanent recipient. We don't want that to happen, so we wish you good luck with ABOU's help next year!

J. DAMERON ALSO ABOU HONORABLE MENTION

Runner-up for the 1972 Abou was Jimmy Dameron of the Machine Shop who received the following citation along with all related honors, benefits and privileges:

"The winner of our runner-up Abou this year is lucky to be here at all. Recently he could be found buried under tons and tons of metal – including a staggering variety of shapes and sizes of stainless steel, carbon steel, hot-rolled steel, cold rolled steel, not to mention several hundred pounds of aluminum. To add to the confusion, right after our winner signed receipts for this unwieldy mass of embryonic antipollution devices, it was discovered that somewhere in this massive conglomeration of material was one small piece of aluminum intended for our old wind tunnel friends in A.E. which they, of course, needed yesterday.

"In case you haven't already guessed, the winner of our runner-up award, who isn't sure whether he works at Georgia Tech or Husky Tech, is Jimmy Dameron."



Dwight L. Allen honored at dignified ABOU ceremonies

ABOU HONORABLE MENTION TO D. L. ALLEN, GTRI

Harry L. Baker, of GTRI, composed and presented the following ode to Dwight L. Allen, Senior Grants and Contracts Officer of GTRI, as an Abou Honorable Mention Award in recognition of Dwight's sterling efforts:

ABOU AWARD HONORABLE MENTION — 1972

Dwight L. Allen

From Lockheed in 1966 came a dedicated young man named Dwight
 He was certain that campus management would be just right
 To his consternation he learned that management was just taught
 His crusading efforts to practice management came to nought and left young Dwight distraught!
 As the contracts came in, he set them up so nice and neat
 Though he administered with a vengeance in the end the sponsor applied the heat.
 Then came a new Station Director named Long who decided that the image was all wrong
 Although Dwight persevered, he became aware that for him to change 25 years would take too long.
 So a Public Relations man was put on the stand now things are improving throughout the land.

Then there was Hammond and his aggressive crew who taxed all the virtues of Dwight through and through.

He has suffered long and perseveringly for Station research with all the excrutiations of working with Baker

And now we submit Q.E.D. that to select Dwight L. Allen was dastardly

Dwight is still the person for the Abou Award. He may not be young anymore but he stands mighty tall.



PICTURES OF PERFECTION — EES PHOTO CONTEST

The photographic talents of the staff members were brought to the public's attention at the EES Christmas Party. Fifty-three photographs were entered in the rejuvenated EES Photo Contest; thirty-three slides and twenty prints.

The most pictures were entered into the *Scenes and Buildings* category. Of the eighteen photographs, T. P. Lang's of "A white church with a red steeple," was judged best. R. M. Mason won second place with a slide of "A spring morning on Somes Sound, Maine."

T. P. Lang took second place in the *People and Animals* category with a print of a young bride. A few years younger was the girl in the bunny suit, C. O. Pollard's transparency and first place winner.

In the *EES and Professional* category, first place honors went to John Husted and his slide of mining operations. C. O. Pollard entered a black and white print to win second place.

Various subjects appeared in the *Abstract and Miscellaneous* category. A close study of wood textures earned C. O. Pollard another first place ribbon. And a rather prophetic slide of a winter scene by R. M. Mason was second.

Judges for the contest were Ed Garrett, Head of the Photo Lab; Walt Reagh of Systems and Techniques, and John Cuevas of IDD.

After Jim Donovan showed the slides to the party guests, Rudy Yobs distributed prizes to the winners present.

CHRISTMAS PARTY A SUCCESS

The December 22nd EES Christmas Party in the New EES Auditorium was considered a noisy, cheerful success by all who attended. Some 170 people from all the EES departments and divisions dropped in between the hours of 3 and 6 P.M. A few sociable individuals remained until after 8 P.M. to insure that no refreshments went to waste.

The short program consisted of a display of the EES Photo Contest entries, both prints and transparencies, and the 1972 Abou Awards. The winners of these events are described in this issue.

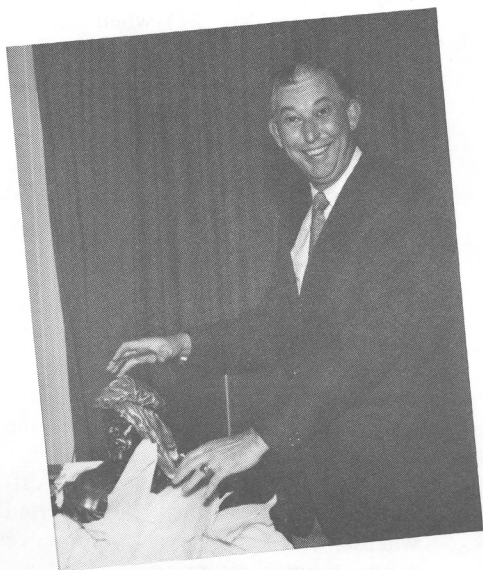
The success of the party was due to the efforts and contributions of many enthusiastic people: Ruth Bodnar and John Cuevas, decorations; Bette Jaffe, John Parker, Tom Jones, snacks and refreshments. Also helping with arrangements were Denise Kisselburg, Mary Lupton, Janie Lovern, Joy Blake-ney, Nancy McHan and Bonnee Wettlaufer. Jim Donovan coordinated the happening and concocted the Xmas Joy Juice. (Next Christmas we will really get organized, Donovan says.)

A small panel of well qualified judges selected Denise Kisselburg, Betty Yarborough and Bette Jaffe as the WHOOPEE GIRLS of the 1972 EES Christmas Party.

STATION NEWS

Vol. 2 No. 1 Feb. 1973
 Published monthly for employees of the Engineering Experiment Station, Georgia Institute of Technology, Atlanta, Georgia 30332.

J. A. Donovan, Editor	3405
Bonnee Wettlaufer, Ass't Ed.	3405
John Cuevas, Art Editor	3856
Ruth Bodnar, Asst. Art Editor	3856
Betty Yarborough, Assoc. Ed.	3445
Chart Bonham, III, Assoc. Ed.	3475
Betty Jaffe, Assoc. Ed.	3430
Ann Lewis, Assoc. Ed.	3516
M. A. Deadmore, Assoc. Ed.	3873
J. E. Garrett, Reproduction	3570



**1972
Party
Album**



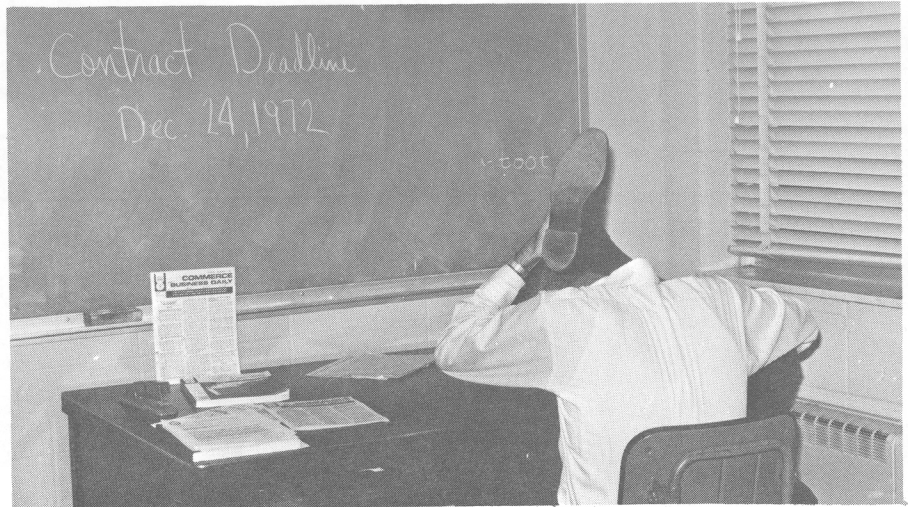
SPEAKING FOR EES

R. F. Altman, Physical Sciences, presented a paper titled "Magnetic Long Range Order in FeCo" and **B. R. Livesay**, PSD, gave one on "Magnetic Anisotropy of Oriented Cobalt Films," both at the Magnetism and Magnetic Conference . . . Research Scientist **D. E. Wrege**, Nuclear & Biological Sciences, presented three papers at DECUS Symposium, Anaheim, Calif., Nov. 29-Dec. 3 . . . IDD Chief **R. W. Hammond** spoke to the AIIE Chapter and visited the industrial engineering department at the U. of So. Fla. Nov. 30. Then Dec. 13-14, he attended the American Society for Engineering Education conference in St. Louis . . . **D. M. Walker**, NBSD research physicist, attended the IEEE Nuclear Science Symposium in Miami, Dec. 6-8 . . . Senior Research Engineer **H. L. Bassett**, S&T, was in Williamsburg, Va. Dec. 10-11 for the GAP Symposium . . . **J. D. Walton**, Chief, High Temperature Materials Division, talked to the Marietta Kiwanis on Dec. 7 about the solar energy experiments . . . **Amy Collins** of IDD spoke to the Atlanta-Athens Chapter of the American Statistical Assoc. Seminar on Dec. 5 . . . **M. E. Anders**, IDD, toured Jackson, Miss., Nov. 9; Montgomery, Nov. 13; Tallahassee, Nov. 16, and Richmond, Nov. 21 for the State Advisory Committee, Southeastern Library Assn. . . . Radiological safety officer **R. L. Zimmerman** attended the midyear symposium of Health Physics Society, Dec. 10-14, Puerto Rico.

Ross Hammond spoke on "Economic Development Trends in Georgia" on December 19 to the Milledgeville Executive Forum. He will present a seminar at Cornell University February 6 on Georgia Tech's experience with science policy in developing countries.

On November 22, **Bill Howard** spoke on "Georgia's Manpower Resources Situation" to a 24-man textile industry delegation from Japan which was touring the Southeast to study the labor relations picture and to investigate investment possibilities.

Bob Cassell addressed the Toccoa Rotary Club in November on "The Changing Face of Industrial Development" and was interviewed on Georgia's future by WFBC-TV in Greenville, S. C.



Disappointed ABOU loser caught in a moment of frustration by Walt Reagh's camera

J. L. Brown, A.I.L., gave a talk to the Chattanooga Chapter of the American Society for Metals, "The World of Stereo Photography," on December 8 — also a scanning electron micrograph by Brown showing the microstructure of the paper stock of the *Electron Microscope Society of America Bulletin* was featured on the cover of the November issue.

Dr. R. C. Johnson has a paper entitled "Absorption of Energy Incident Upon a Receiving Antenna" in the December 1972 issue of *Microwave Journal*.

IDD'S FAME SPREADS

IDD has been having a rash of distinguished visitors recently, who visited the field office at Douglas to observe our industrial extension service in action. Hugh Miller of the National Academy of Sciences and Norman Dahl of the Ford Foundation were impressed by our outstanding program of technical assistance to industry, while Philippe de Gunzbourg, a Frenchman, was interested in rural development.

CORRECTION!

T. P. Lang should have been credited with the NEWS (December, 1972) announcement that "the first in a series of cosmic ray experiments . . . has been completed in NBSD."

REPORT ALL ACCIDENTS AND INJURIES

The Department of Campus Safety recently published a memorandum reminding all personnel of the importance and procedures for reporting all on-campus accidents and injuries.

First, notify campus security at 894-2500.

Second, complete the standard form for Employer's First Report of Injury (Form No. 15). This is an extremely important document for the benefit of the injured employee and **must** be completed as soon as practicable after the injury has occurred. Forward this report directly to the Reports & Procedures Office via campus mail.

Third, complete standard form for Employer's Supplemental Report of Injury (Form No. 21) when the injured employee returns to work. Forward this report directly to the Reports & Procedures Office.

Adherence to the above procedure will ensure that speedy and appropriate responses are taken to aid the injured employee. Additionally, the prompt submission of the required reports will ensure the proper processing of a Workmen's Compensation claim should the on-the-job injury warrant. If the injury is not reported on the date of the accident or shortly thereafter, the State may refuse liability under the Workmen's Compensation Act.

All work-associated (on- and/or off-campus) injuries must be reported whether the employee requires or refuses medical attention.

STATION NEWS • FEBRUARY, 1973

DIRECTOR'S OBSERVATIONS

CLASSIFIED POSITIONS

A large number of EES staff members are in job categories which are governed by the University System's "classified" personnel policies. These are positions which are not identified as either faculty or student, and they include a wide range of job titles, e.g., secretaries, clerks, technicians and machinists. Positions in the classified personnel categories are defined according to job function necessary for the efficient operation of the organizational unit and not according to the individual occupying the position. Most job classifications in the system have more than one level, e.g., Clerk I, II, III and Electronics Technician I, II, III.

The pay plan for classified personnel is kept current through an annual salary survey of the Atlanta area. This information is then used by the Georgia Tech Personnel Office to prepare and publish an updated plan prior to budget preparation.

A periodic review of the classified positions should be made by the supervisor to properly classify positions. In cases where job functions have changed, a reclassification of the position may be indicated.

Each year recommendations for promotions to be included in the new fiscal budget are submitted to the Reports & Procedures Office by mid-February so that review and approval by the EES Director and the Institute's Director of Personnel may be obtained prior to budget preparation.

If an advanced level position already exists in the budget, a Personnel Action form should be completed (without salary indicated at this time), including qualifications and justification either in the comments section of the Personnel Action form or on a separate attachment to the Personnel Action. If an advanced level position does not exist and the supervisor believes there is sufficient justification to reclassify and upgrade an existing position, a Classification Questionnaire and Personnel Action form (without

salary) should be completed. The Reports & Procedures Office should be contacted for any needed assistance in reclassifying positions, because current information on job classification is maintained in that office. Final review of the reclassification request is made by the Institute Personnel Office.

Supervisors will be notified of final decisions and should include approved promotions in the new fiscal budget. The Reports & Procedures Office will enter on the Personnel Action form salaries from the new budget and copies of approved Actions will be forwarded to the appropriate administrative unit.

MORE NEWS FROM NOVEMBER

Happy news department: HTMD Research Engineer Mrs. Kaycee Logan gave birth to Stephanie on November 28 at 8 AM . . . Industrial Development Chief Ross Hammond was in Washington Nov. 8 for a busy day of meetings with the Small Business Administration, Agency for International Development, Coastal Plains Regional Commission, Bureau of Indian Affairs and Senate Agricultural Commission. Then he went to Nashville, Nov. 16-17, to deliver a speech at Tennessee's 20th Annual Governor's Conference on Economic Development . . . Dr. Raymond Kimbrough, Senior Research Chemist, NBSD, attended the American Chemical Society meeting Nov. 24 in Birmingham . . .

S. T. Alford, Senior Research Engineer, SSD, was in Wildwood, N.J. for technical discussions Nov. 2-3 . . . J. L. Eaves, F. L. Cain and W. E. Sears, Radar Senior Research Engineers, Nov. 7 were in Washington for technical discussions . . . Two days later, J. L. Eaves worked on contract development in Dayton, O. . . STD Senior Research Engineer George Ewell and Research Engineer Sam Alford participated in field operations, Nov. 8-10 in Philadelphia . . . M. W. Bennet, Assistant Director, Research Administration was in Washington Nov. 8-10 for the meeting of the University Research Administrators.

FOREIGN TRAVELER

Bernie Goss, IDD's consultant to the EDA toured Europe for three weeks in November and December as part of a delegation from the southern states promoting tourism.

POSTHUMOROUSLY

Under special circumstances the "Posthumorously" ABOU award for "Suffering in Research" has been given to individuals no longer working on campus but after years of distinguished service here. Previous winners have been: B. H. Weil, 1949; G. A. Rosselot, 1952; and Audrey Wrigley, 1957. This year the ABOU Committee selected Annabelle H. Bragg in recognition of her 26 years with the Georgia Tech Research Institute.



ABOU Runner-Up Jimmy Dameron admiring his trophy



Harry L. Baker, Jr.

HARRY L. BAKER, JR.

Harry L. Baker, Jr., President of the Georgia Tech Research Institute and Director of Research Administration, Georgia Institute of Technology, died January 11, 1973, at Piedmont Hospital following an aneurism. Mr. Baker, 60, was a native Atlantan and 1934 graduate of Ga. Tech. He also obtained an LLB degree from Emory University Law School in 1961.

During World War II, Mr. Baker served as a Naval Officer in the Pacific Fleet, where he participated in eleven amphibious operations, receiving three commendations and the Bronze Star Medal for meritorious performance of duty. He attained the rank of Commander, USNR, in 1945 and retired from the Reserve as a captain in 1972.

He had been serving as the first and only President of the Georgia Tech Research Institute since 1946. His office has handled the proposals, contracts and finances for industrial and governmental research performed by the EES. Harry's experience, ability and diligent efforts on behalf of the EES over the years contributed in large measure to the Station's growth. He was a trusted and respected counselor to generations of Tech students and faculty as well as a warm and friendly personality who will be sorely missed by all of his friends and colleagues here at Tech.

Mr. Baker was a member of Beta Theta Pi, the Ga. Society of Professional Engineers and the Committee

on Governmental Relations, National Association of College and Business Officers. He and his family are members of St. Luke's Episcopal Church.

Surviving family are his wife, Virginia Cunningham Baker, living in Atlanta and formerly of Nashville, Tenn., and children: Mrs. Dale E. Wallin, Atlanta; Mrs. Earl H. Freeman, Jackson, Miss.; Harry L. Baker, III, Atlanta; sister Mrs. J. Louie Mann, Atlanta, and a brother, Joseph H. Baker of Baltimore, Md.

DEPARTMENT NEWS

EES PEOPLE ON THE MOVE

S. P. Zehner, Sensor Systems Research Engineer, went to Eglin Air Force Base, Florida, on November 30 and to Dallas on December 18 for technical discussions. Research Engineer E. K. Reedy also went to Eglin, then to Washington, D.C. to attend the HWL Radar Symposium . . . Another visitor to Washington was S. T. Alford of Sensor Systems for technical discussions . . . Systems & Techniques Co-op Students Norman Brake and James Overstreet visited field site operations in Boca Raton, Florida December 3-9 . . . Contract Development was S & T Research Engineer T. M. Miller's reason for a trip to Washington, December 5-7 . . . Chief of Sensor Systems R. M. Goodman, Jr. and Senior Research Engineer L. A. Stapleton were in Washington December 8 for contract development . . . S & T Assistant Research Engineer Henry Cotten was in Gadsden, Alabama December 7 for technical discussions and returned December 14 . . .



An attendee at the 1972 IEEE/G-AP Symposium and the Fall USNC/URSI meetings in Williamsburg, Va. was S & T Senior Research Engineer F. L. Cain . . . S & T Research Engineer Richard Hodges and Co-op Trainee J. D. DeCastra traveled December 11-13 to Eglin AFB, Fla. for technical discussions . . . And R. J. Hodges joined Research Physicist R. N. Trebits in Dayton, Ohio December 19 for technical discussions . . . S & T

Senior Research Engineer George Ewell and Senior Research Physicist F. D. Dyer held technical discussions with Navy personnel in Washington, December 11-12 . . . And F. B. Dyer also held discussions with Texas Instrument personnel in Dallas on December 18 and visited field operations in Wildwood, N.J. December 20-21 . . . IDD Principal Research Scientist M. E. Anders was in Chattanooga December 12 and in Louisville December 13 to meet with TVA computer personnel and Kentucky State Advisory Committee on Southeastern States Cooperative Library Survey . . . Nuclear and Biological Sciences professor T. W. Kethley held technical discussions at Johns Hopkins University in Baltimore on UV irradiation on December 12-13 . . . Washington was the site of technical discussions December 20 for Robert Zimmer, S & T Senior Research Engineer and E. F. Greneker, Assistant Research Scientist . . . Applied Sciences Senior Research Scientist Louis Young discussed potential contract with the Naval Coastal Systems Laboratory in Panama City, Fla. December 26-27 . . . Research Engineer Ben James, Jr., IDD, was invited to present part of the program on entrepreneurship at a seminar at the East-West Center, Honolulu, Hawaii, January 5-29.

The Radar Division has been awarded a \$599,960, 3-year contract by the Avionics Laboratory, Air Force Systems Command for the investigation of the cost-effectiveness of various types of electronic equipment.

H. L. Bassett and F. L. Cain attended the 1972 International IEEE/G-AP Symposium sponsored by the IEEE Section on Antennas and Propagation in Williamsburg, Virginia, December 11-15. Mr. Bassett presented a paper on "Measurements at High Temperatures." In addition, Mr. Cain attended the Fall USNC/URSI meeting and participated in the American National Standards Institute (ANSI) meeting of the C-95 Committee held in Williamsburg. The C-95 Committee is concerned with Radio Frequency Radiation Hazards. The U.S. Navy and the IEEE jointly sponsor the C-95 Committee of ANSI.