

THE ENGINEERING TECHNICIAN



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MAY 22, 1970

Girls May Visit Dorms On Weekends

According to Dean of Students Lewis G. Van Gorder, dormitory students may have visitors, including women, from 7:00 p.m. until midnight on both Friday and Saturday nights except for the weekend before finals. The new rules go into effect immediately.

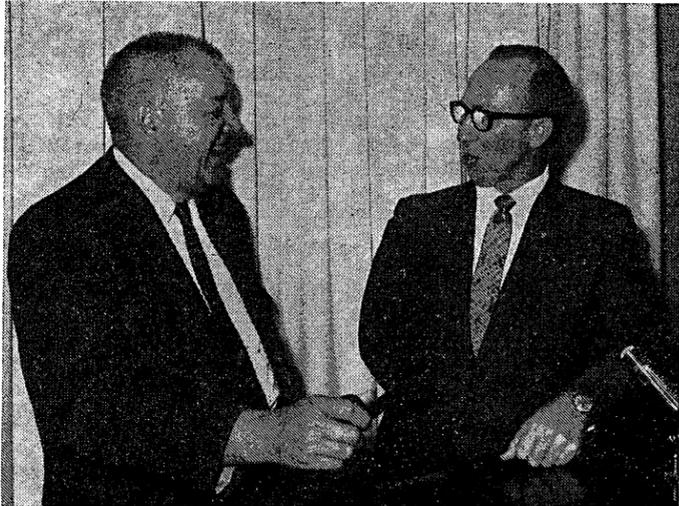
The open hours must be complied with to within five minutes after midnight and five minutes before 7:00 p.m. Any breach of the above rule will be brought before the Trial Board for judgement. The supervisors on weekend duty will be responsible for enforcing the time schedules.

Other restrictions include that everyone will be required to be fully clothed during open house hours and every dormitory resident will be expected to keep the dormitories in a presentable manner.

Visitors will always be expected to behave in an orderly manner. Rowdy or boisterous visitors will be asked to leave by the supervisor on duty. Should the visitor not leave, action will be taken to relieve the situation.

Dormitory residents will be wholly responsible for the actions on their visitors. In the event of trouble, the dormitory resident must answer directly to the Trial Board. By having visitors in the dormitory, a resident verbally agrees to accept and abide by these rules. The supervisors on weekend duty will be responsible for enforcing these rules with the complete backing of the Student Council and the Dean of Students.

Dean Van Gorder also pointed out that women visitors would be provided with adequate information regarding



Prof. Harry M. Schenk and Dr. Cecil G. Shugart.

Students, Faculty Hear Visiting Physicist Talk

A prominent physicist, Dr. Cecil G. Shugart, director of the Society of Physics Students at the Stony Brook campus of the State University of New York, called for better communications in addresses before student and faculty groups early this month.

Dr. Shugart visited the Southern Tech campus under the auspices of the American Association of Physics Teachers and the American Institute of Physics as a part of a broad, nationwide program to stimulate interest in physics. The program is now in its 13th year and is supported by the National Science Foundation.

In pointing out the types of persons the colleges should be graduating, he said that physicists ultimately write and say more than English and speech majors. "We must turn out well-rounded people," he pointed out. "We must teach students to have the confidence to go out and do something useful based on their own experiences."

He said that "when a student is graduated, half of what he has been taught is untrue, and the bad part is that we don't know which half." He was referring to the tremendous rate at which knowledge is now being acquired. "That is why it is important for the student to be able to apply his total knowledge to problems, not just what he knows about his specialty," he continued.

"Every problem is unique," he explained, "and every problem must have a unique solution."

Academic Calendar

- May 22 — Subjects dropped after this date draw "WF's."
- June 12 — End of Spring quarter.
- June 13 — Graduation.
- July 6 — Summer quarter registration.
- July 7 — Summer quarter classes begin.
- July 8 — Late registration fees apply.
- Sept. 18 — Summer quarter ends.
- Sept. 28 — Fall quarter registration.

the women's restrooms. They are located on the first floor of dormitory 2 and on the cafeteria floor of Dormitory 1.

Bathtub Race Set For Saturday Run

The annual spring bathtub race is scheduled for Saturday, May 23 with a field of an estimated 8 to 10 tubs participating. The race will start at 2 p.m. and will continue until called or until a tub completes 50 laps around the mile-long campus - road track as shown in the map on the back page.

If the race is called between 30 and 50 laps, the race is ended. If it is called between 10 and 29 laps, it will be completed the following Saturday with the tubs restarting in the positions they held when the race was called.

If the race is called before nine laps are completed, it will be completed the following

Saturday with the tubs starting in the positions held at the beginning of the race.

The American Oil Company has consented to supply fuel, trophies, and publicity for the race. Campus organizations will provide the support required to prepare the track and manage the race. This year gasoline will be issued to each tub Saturday morning. Electric power and arc welding equipment will be available near the pit area during the race. A longer distance for push-starting will be available this year.

An added feature this year is the entry of two electric-powered tubs. A separate story concerning this new type tub is on the back page.

Tub No. 1, sponsored by Sigma Delta Phi, will have Stanley Brewer as its driver. With colors of blue and gold, it will use a 150 cc Honda engine. This four-foot tub has a positive-traction rear end hydraulic brakes. Its pit crew will consist of Richard Burns and Jerry Hicks.

Tub No. 3 with Jay Poterala as its driver, and purple for its color, is sponsored by Alpha Beta Sigma. With a 160 cc Honda engine, bored to 175 cc, this tub will use a Simca front end with a golf cart rear axle. Its approximate weight is 550 pounds. The Goodyear Terra tires are 9.5 inches wide. The tub itself is sponsored for the third year by Kelly Chrysler-Plymouth.

Tub No. 4, sponsored by IEEE, will use a 1.93 hp d-c electric motor. It will be driven by Hinton Bailey and Cecil Oellerich. Its colors are green and yellow. This tub is co-sponsored by A-to-Z Tool Rental, House of 10,000 Picture Frames, Georgia Power Company, Harley Davison Motorcycle and Golf Cart Co., and Bomber Battery.

(Continued on Page 4)



Dean L. V. Johnson

L. V. Johnson, former director of Southern Tech and director of the engineering extension divisions at Georgia Tech, has been named associate dean of engineering for technology and extension.

In his new capacity, Dean Johnson will serve as liaison between Georgia Tech's College of Engineering and Southern Tech, which has recently been approved for awarding the baccalaureate degree.

Tech Students Like Shrimp, Spuds, Shortcake

On the basis of a campus-wide survey taken during April, the ideal meal at the Southern Tech cafeteria would be fried shrimp, baked potato, and strawberry short cake. These three items received the most votes in their category.

On the entree side, fried chicken, roast turkey, baked ham, hamburger steak, cheeseburgers, roast prime rib of beef, country fried steak, and broiled lobster tail led the list.

Other high-scorers included barbecued chicken and pork, T-bone steak, and deviled crab.

Close behind baked potatoes in the list of vegetables was French fried potatoes, mashed potatoes, corn - on - the - cob, string beans, corn, yams, rice and grits. Spiced apples, macaroni, and baked beans also scored high.

The strawberry short cake was far and away the favorite desert. Other favorites, how-

ever, included chocolate layer cake, apple pie, angle food cake, banana pudding, lemon pie, blueberry pie, peach and cherry pie, devils food cake, and coconut layer cake.

Dean of Students Lewis G. Van Gorder says that two-week menus will be posted in the future. Other changes that have been put into effect in the dining hall include the following items listed by C. W. Boyd, Director, Dining Halls:

Breakfast hours will be extended from 8:30 until 9:00 a.m.; the dining hall will fry eggs in less fat and to order from 8:30 to 9:00 a.m.; and toast will be made to order from 8:30 until 9:00 a.m. Hard boiled eggs will also be available. Milk will be available three times a day, and refills on iced tea and ades will be allowed.

Mr. Boyd said that plastic dinerware and cutlery will be

used beginning in the Summer quarter. A cover for the salad container is already in use. There will be no change in the salad selection. Students also agreed to improve their conduct in the dining hall.

The snack bar's new hours will be from 9:00 a.m. until 3:00 p.m. Coca-Cola will not be poured ahead of time as it has in the past.

Why ROTC?

Plans have been presented to the faculty of Southern Institute of Technology to integrate Army ROTC instruction in the curriculum. Southern Institute of Technology became eligible for the ROTC Program when it expanded its curriculum to that of a four-year college.

The presentation was made by Colonel Wayne W. Bridges, Army Professor of Military Science at Georgia Institute of Technology.

Colonel Bridges pointed out that the object of Army ROTC Program is to provide a basic military education and, in conjunction with other college discipline, to develop individual character and attributes essential to an officer of the United Army.

A unique feature that the Army ROTC Program would offer the student at Southern Tech is a choice of six branches in which he wishes to serve upon commissioning. The six branches are: Air Defense Artillery, Chemical Corps, Corps of Engineers, Infantry, Ordnance Corps, and Signal Corps. The branches are compatible with the disciplines offered at Southern Tech.

This program differs from the General Military Science ROTC Program found in most colleges, in that the General Military Science student has little choice over the branch in which he will be commissioned. A General Military Science student's branch of service depends on his scholastic ROTC standing and the needs of the service at the time of his commissioning.

The Georgia Tech ROTC Program runs for four years with the choice being made when the student enters the Advanced Program upon completion of his sophomore year. Selection for the Advanced ROTC Program authorizes the student \$50 a month and a draft deferment. The student then will pursue military studies within the branch of his choice.

In addition to the availability of branch choice, Army ROTC Scholarships of one, two, three and four years are available. Students receive \$50 per month plus tuition, textbooks, and laboratory fees. Scholarship students are required to accept either a Regular or Reserve Commission, whichever is offered, as a Second Lieutenant and to serve at least four years on active duty.

To be eligible to enter an Army ROTC Program, one must be a student in good standing at Southern Institute of Technology, a male citizen of the United States, between the ages of 14 and 23, and physically qualified.

Arrangements will be made to present the ROTC proposal to the student body in the near future. The briefing will be conducted by Colonel Bridges and his staff and questions about ROTC will be answered at this time.

If accepted, ROTC can be on campus in September, 1970.

Math Is a Basic Tool

Mathematics is a tool basic to all engineering and engineering technology specialists. Dr. A. W. Futrell, in his "Orientation To Engineering," says, "In many colleges and universities, mathematics is used as an index to measure the potential capabilities of prospective engineers.

Commenting on the importance of mathematics, Bleakly and Leach in "Careers in Engineering and Technology," state "Since many engineering science operations follow elementary mathematical procedures, and finally come up with a set of symbols which can be reconverted into ideas."

Richard G. Denning, head of Southern Tech's mathematics department, points out that his subject area functions as a service arm for the technical, degree-granting departments. In all math courses at STI, the approach is more traditional, problem-solving, and applied than math courses at a liberal arts college. The emphasis is to present information which can be used directly on a scientific task or an engineering problem.

Courses offered by Southern Tech's math department range from non-credit work in algebra and in plane geometry for pre-freshmen to an elective course in differential equations in the junior or senior year of the newly approved Baccalaureate program. Other credit courses include: algebra, trigonometry, integrated algebra-trig, calculus and analytical geometry, calculus, two in computer programming, a slide rule lab, and statistics and probability.

For regular admission to Southern Tech, students are required to have a minimum of two units of high school algebra and one half unit of plane geometry. All persons except those transferring from other colleges are required to take the College Entrance Examination for placement purposes. This is in addition, of course, to the Scholastic Aptitude Test.

Of the eight members of the math department at STI, six have master's degrees and three of them are registered professional engineers. Practically all have industrial experience plus their time in teaching. The average number of years spent by math profs in the classroom is from 10 to 11 and the length of time spent in industry and/or military engineering is slightly more than eight years.

Prof. Denning feels that the experience his faculty has had outside the classroom is important because they teach the future superintendents and managers, engineers and architects. Since the instructors have been in industry themselves, they can give the students an insight as to what can be expected and as to how important are the courses.

The friendly, applied philosophy of helping the individual, universal at Southern Tech, is practiced in the math department with added emphasis because of the vital nature of the course work. Faculty members are available after class to give assistance and suggestions to those of their students who need further instruction.

Other than Denning, who is a full professor, the faculty members in the mathematics department are: Ernest R. Stone and Ralph P. Youngblood, associate professors; Donald S. Dunlap, Clarence M. Head, and Wesley C. Royer, assistant professors; and James W. Hardwick and Edward B. Harris, Jr., instructors. Mrs. Martha Trotter is department secretary.

132 Named to Dean's List During Winter '70 Quarter

Registrar Jacob Remeta has announced that 132 Southern Tech students were named to the Winter, 1970, Dean's List. Requirements for the honor is for a student to have an average of 3.00 or better during a quarter in which he took at least 15 hours of credit work. The student also may have no failures or incompletes and have committed no conduct offenses. Those so honored follow:

Douglas R. Adams, 3.27; Ronald B. Adams, 3.53; Harold G. Agnew, 3.06; Rene Antich, 3.00; James W. Bailey, 3.24; Kenneth P. Barrick, 4.00; Randolph W. Battle, 3.00; Jimmy L. Bennett, 3.13; Rufus E. Bohler, Jr. 4.00; Andrew L. Bowers, 4.00; Eugene B. Brannen, 3.06; David M. Brown, 3.00; Horace M. Browning, 3.07; Walter S. Bruce, 3.31; Anthony L. Bryant, 3.41; Donald T. Bullard, 3.41; Thomas R. Burnsed, 3.05; Glen E. Calhoun, 3.38; Danny L. Camp, 3.29; Richard D. Canaday, 3.63; Harold L. Carney, 3.18; Michael T. Casey, 3.44; Bruce A. Channell, 3.18; Richard K. Cheong, 3.08.

Roger E. Chestnut, 3.41; Emmett T. Clay, 3.60; Arvel L. Coffman, 3.25; George H. Coleman, 3.76; Danny S. Couch, 3.41; Thomas S. Cunningham, 4.00; Howard H. Curd, 3.11; K. Dave, 3.58; James C. Dickey, 3.58; John L. Dixon, 4.00; Christopher W. Duncan, 3.71; Frank W. Dunn, 3.13; Charles A. Edwards, 3.89; Stephen D. Embry, 3.82; Charles H. Eubank, 3.06; James T. Everett, 3.52; Charles W. Fleming, 3.00; Eugene A. Foerster, 3.25; John M. Foss, 3.53; Benjamin N. Frost, 3.25.

Larry A. Garrard, 3.47; Warren H. Gilbert, Jr., 3.47; Allen G. Gilliard, 3.32; Jerrell E. Gore, 4.00; Richard T. Grant, 3.02; James W. Green, 3.58; Ronald T. Gwin, 3.44; James L. Hammontree, 3.38; John E. Hayes, 3.65; Patrick H. Head, 3.65; Robert D. Henderson, 3.22; Byron D. Henning, 3.06; William J. Hicks, 3.28; Tony F. Hill, 3.19; Johannes I. Hofmann, 3.58; Jon M. Isley, 3.38; Steve B. Ivey, 3.06; Sidney H. Johnson, 3.00; John H. Johnson, 3.50; Robert T. Johnson, 3.13; Stephen S. Johnson, 4.00; Robert F. Jones, 3.76.

Donald W. Kay, 3.63; Roy H. Keck, 4.00; Michael E. Kent, 3.20; Lynn S. Kirkland, 3.19; Carl G. Kleeman, III, 3.37; James E. Knapp, 3.24; Thomas W. Lee, 3.50; Robert S. Liber, 3.75; William L. Lose, 3.42; Larry R. Lusk, 3.55; Michael E. Makohon, 3.84; Johnny H. Martin, Jr., 3.41; Steve P. Mathis, 3.65; Steve A. May, 3.48; Danny R. McCreless, 4.00; Harry W. McDonald, 3.32; Russell S. McKern, 3.05; Curtis A. Mees, 3.68; Leslie S. Miller, 3.05; Samuel M. Mobler, 3.33; Jon M. Moon, 3.42; Rodney A. Morgan, 3.27; Carolyn J. Morris, 3.65; James W. Morris, 3.32; Tommy C. Muse, 3.00; Rudolph H. Myers, 3.81.

Rufus C. Nash, 3.00; Paul J. Norrell, 3.41; Johnny M. Overton, 3.11; Roy W. Owens, 3.16; Larry Padgett, 3.33; William P. Parnell, 3.50; James C. Payne, 3.12; Patrick A. Pelligano, 3.60; Ronald H. Pillsbury, 4.00; Michael L. Queen, 3.81; Ronnie L. Ray, 3.70; Cecil P. Richardson, 3.17; William E. Ritter, 3.18; Charles W. Robbins, 3.26; Duane P. Roof, 3.69; Alonzo M. Rountree, 3.63; Joseph S. Rushing, 3.81; Keith B. Ryan, 3.06; Norman L. Sams, 3.67; Mark D. Saxton, 3.00; Charles E. Sexton, 3.69; Robert R. Shelor, 3.62; Donald

L. Short, 3.86; Randall G. Sizemore, 3.50.

Thomas M. Slater, 3.42; Harry R. Smith, 3.53; Herbert L. Smith, 3.16; Alfred D. Strack, 3.82; Ernest K. Swoford, 3.53; Charles A. Tapie, 3.06; Sanford L. Thompson, 3.19; Chin Kon A. Ting, 3.43; Alvin G. Turley, 3.26; Eddie W. Turner, 3.15; John S. Turner, 3.47; Stephen R. Vaughn, 3.40; Larry W. Vickery, 3.32; John T. White, 3.09; Gary S. Whitfield, 3.79; Peter B. Witalis, 3.53.

High Schoolers Hear STI Story

Southern Tech has joined forces with a public utility and a state government unit to tell high school students about opportunities in the engineering technology fields.

Working with Georgia Power Co., and the State Highway Department representatives, Southern Tech faculty members visited high schools throughout Georgia.

Functioning in teams of three each, the men appeared at assembly programs and met with small student groups to discuss technical positions in government and industry and the colleges in the state in which engineering technology may be studied.

Representing Southern Tech in the five-week program were Paul V. Smith, placement director; Sam J. Baker, admissions counselor; and W. P. Greene, instructor in industrial engineering technology.

Baseball Season Ends for Hornets On Winning Note

Southern Tech ended the baseball season by winning four of its last five games. But the team didn't put it all together until late and finished the season with seven wins against 20 losses.

Outstanding players were Beve Chandler who finished the season with a .368 batting average, Ronnie Wood with a .267, Bubba Boyd with .250, and Eddie Wallace with .247.

Allan Bentley led the team in RBI's with 12 followed by Barry Parker and Eddie Wallace with eight each.

Tom Kirchoff led the pitching column with an earned run average of 3.0. Allan Bentley led the won-loss percentage with .250.

Enrollment Up By 53 Students

The registrar's office at Southern Tech has released the final enrollment figures for spring quarter. A total of 979 men and women registered for classes, reflecting a rise of 53 over winter quarter statistics of 926. This quarter's enrollment appears to be reversing STI's recent declining registration figures.

Southern Tech Commended For Its Neat Campus Look

The visiting educator from out-of-state had completed his tour of Southern Tech and sank into a chair in the STI Administration Building lobby. "You folks really keep a neat campus," he commented.

When Benny C. Brooks hears a statement of this sort, he grins broadly. Mr. Brooks is Southern Tech's superintendent of buildings and grounds and has more than a casual interest in the appearance of the campus.

Functioning on an annual budget of over one quarter of a million dollars, Brooks' operation concerns approximately 35 persons including 33 permanent employees with temporary laborers and student assistants constituting the remainder.

The responsibility of the buildings and grounds depart-

ment covers all non-academic aspects of Southern Tech except the dining hall. This involves the 12 buildings and the maintenance of their condition. Brooks employs a staff of skilled workmen such as painters, electricians, carpenters, and plumbers and directly supervises their activity.

The structures have also over 327,000 square feet of floor space to be cleaned and polished. This work is done under the direction of the custodial supervisor. Another problem is that of climate control. Seventy five percent of that floor area is cooled as well as heated and requires the full time services of an air conditioning technician.

The 35 acres of lawn demand the attention of the grounds supervisor and his crew of machine operators, grass cutters and litter-collectors. The re-

mainder of open campus is worked on as time and personnel permit in such projects as tree thinning, erosion control, and the planting of shrubs, small trees, and flowers.

Benny Brooks finished Southern Tech with a degree in building construction in 1963. After graduation, he was employed at Georgia Tech as a project coordinator in the physical plant department scheduling the daily duties of 300 skilled workmen. In 1963, he returned to his alma mater to his present position.

As an entering freshman at Southern Tech, Brooks says that he was impressed by the appearance of the then brand new campus. Today as superintendent of buildings and grounds, he is determined to carry out his responsibilities in such a way that present day students will feel this pride.

AAMA Features STI In April Newsletter

Marietta's Southern Tech was given prominent space in the April issue of the AAMA Newsletter, the monthly publication of the American Apparel Manufacturers Association.

The four-page bulletin, issued from the AAMA's national headquarters in Washington, D.C., is sent to the more than 1,000 association members who

New Professors Join the Faculty

By Rodney Youngblood

Prof. Charles Cooper, Jr., who is from Montgomery, Ala., has joined the Southern Tech faculty where he teaches electrical physics courses. Mr. Cooper received his B.S. degree in electrical engineering at the Massachusetts Institute of Technology and his M.S. in electrical and biomedical engineering at the University of Texas.

He taught at Jacksonville State for a year before coming to Southern Tech. His interests include water skiing and physchedelic electronics.

Prof. Julian Lee, now a health physicist at STI, is originally from Atlanta. He attended high school at Casey, Ill., and Armstrong College in Savannah.

Mr. Lee received his B.S. degree in agricultural engineering at the University of Georgia. He also earned a B.S. degree in physics and an M.S. in nuclear physics at Georgia Tech. His first year of teaching, he is a member of the National Society of Professional Engineers and is the Public Relations chairman of the Sandy Springs chapter. He makes his home in Dunwoody.

Prof. Woody Green, who holds a B.S. degree in textiles from North Carolina State University, earned his M.S. in textiles and industrial management at Clemson University where he also taught for a year and a half.

Mr. Greene likes golf and skiing in the winter. He teaches in the Industrial Engineering department.

Dr. Ranakumar Nedella, a native of India, has been in the United States for three years. He teaches physics and physics laboratory. His first year at STI, he came to Georgia Tech three years ago to do research as he did in India. He received his doctorate in physics in India. His hobby is photography.

are the apparel manufacturers and supplies throughout the nation.

One story concerning Southern Tech was in regard to the announcement by the Board of Regents of their approval of STI's four-year status. Another article had to do with the Southern Tech placement office's scheduling of interviews between STI's graduating students in apparel manufacturing engineering technology and the prospective employer.

A further reference to Southern Tech was made by the AAMA's education committee chairman in his open letter. He was requesting the members to aid STI and the two other colleges with apparel manufacturing engineering technology curricula in getting qualified students. The other institutions are the Fashion Institute of Technology in New York City and the Philadelphia College of Textiles and Science.



BATHTUB QUEEN . . . Miss Susan Perry, a freshman at West Georgia College has been named queen of this year's bathtub race. After being named "Miss STI" earlier this year, she went on to be named "Miss Cobb County." She later participated in the "Miss Universe" competitions.

STI Officials Inspect Other Technical Units

Southern Tech faculty members are involved in inspection trips to other colleges on the behalf of two accrediting agencies, the Southern Association of Colleges and Schools for collegiate regional accreditation and the Engineers Council for Professional Development for engineering and engineering technology approval.

Director Hoyt L. McClure participated in an inspection tour at the York County Technical Education Center, Rock Hill, S.C. for the Southern Association. Robert C. Carter, professor of electrical engineering technology, visited Western Kentucky University at Bowling Green with an accreditation group for the ECPD. Theodore W. Anderson, associate professor of industrial engineering technology, served as a team member for the ECPD inspection at Purdue University, Indiana-

polis, Ind.

Registrar Jacob Remeta and William M. Gordon, associate professor of civil engineering technology, were among those on an ECPD group which visited the Spartanburg County (S.C.) Technical Education Center. Yardy T. Williams, head of the electrical engineering technology department, assisted on an ECPD examination of the New Hampshire Technical Institute at Manchester.

Williams will also serve on a Southern Association team to visit the Rowan Technical Institute in Salisbury, N. C. Robert L. Myatt, professor of civil engineering technology, is scheduled to work in a Southern Association accreditation group when it inspects the Holden Technical Institute, Raleigh, N. C.

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Publications Revive Dusty School Memories

"I remember when . . ." is a favorite pastime among former students at a Marietta college these days.

Since Southern Technical Institute was raised to four-year status, the alumni who were there in the school's young days have been pulling out and dusting off their memories.

One of those who has shared some of his memories is Wade Woodward, who was on the staff of both the college newspaper, "The Technician," and the yearbook, "The Technician's Log."

Of the students and faculty members pictured in STI's first yearbook, published in 1949, several live in the Marietta area. John B. Briscoe, Floyd Smith, and Woodward are among current Mariettans pictured in that first edition of the annual, along with Smyrnans, Earl Denney and James B. Veates. Two members of the present faculty at the school, John C. Meintzer Jr. and David E. Summers, also were students then.

Southern Tech, of course, was on the Naval Air Station site in Chamblee when it was established in March, 1948 as "The Technical Institute," with 150 students and eight teachers. It moved to Marietta and the present Clay St. campus in 1961.

Six of the faculty members shown in the first "Log" are still on the staff: C. A. Arntson (who is retiring this year), George L. Carroll, C. T. Holladay, Edward J. Muller, Chester V. Orvold, and Leonard H. Taylor. One of the "school aides" featured that year, Mrs. M. N. Mavity, also is still active on the staff; she is now assistant to the director.

Briscoe was an editorial assistant on the "Log" staff. Woodward, who was editorial assistant and cartoonist for the newspaper, served the annual as art editor.

His sponsor for that yearbook was another name familiar to Mariettans: Joanne Woodward, his sister.

Faculty Advisor Arthur Bleakley says that this year's edition of *The Log* was scheduled to be shipped on May 20 and should be ready for distribution to students during the last week in May. Students will be notified as to the exact date they may receive their copies. Editor of this year's *Log* is Lynn Whitaker.

Regents Promote Seven on Faculty

Seven faculty members at Southern Tech have received promotions in academic rank in an action taken at the last meeting of the University Board of Regents.

Hoyt L. McClure, director of the college, was notified of this move in a letter from Dr. Vernon Crawford, vice president for academic affairs at Georgia Tech.

Those promoted are Theodore W. Anderson, from associate to professor of industrial engineering technology; Maria T. Bolet, from assistant to associate professor of physics; John L. Boshier, from assistant to associate professor of physics.

Wesley C. Royer, from assistant to associate professor of mathematics; John W. Van Hoy, from assistant to associate professor of architectural engineering technology.

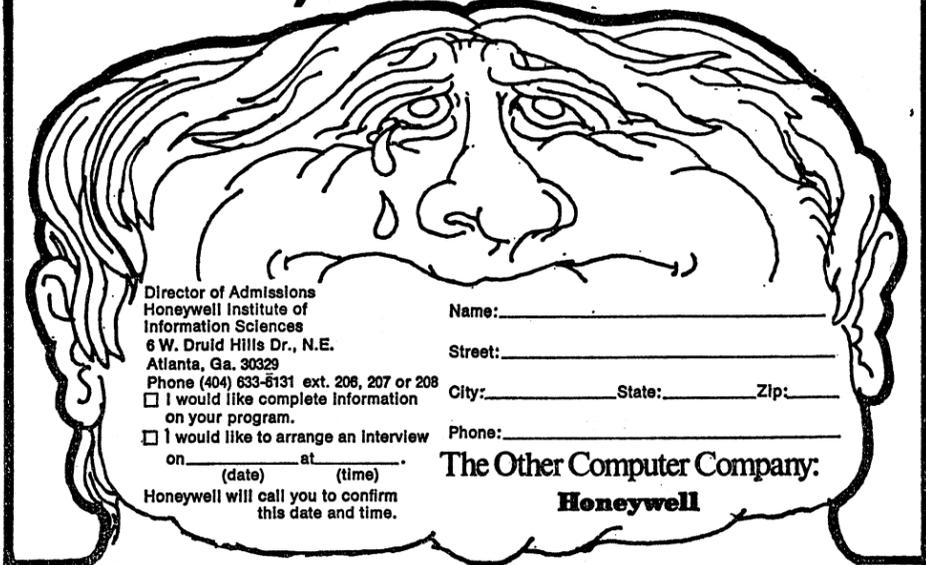
Kenneth E. Franklin, from instructor to assistant professor of mechanical engineering technology, and Edward B. Harris Jr., from instructor to assistant professor of mathematics.

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Bathtub Race Promises to Be Best Ever Held

(Continued from Page 1)

Tub No. 5, which is blue and white, is sponsored by Sigma Chi Tau. It will be driven by Kenneth Keebler, and Mike Avery. It has a McCulloch engine and unibody construction. The engine is by Larry Mimbs and the parts are supplied by E-Z-Go Golf Car Co.

Tub No. 10 is an independent entry and sports red and black as its colors. Sponsored by Sirloin Junction, it is a gasoline-electric vehicle. It will be driven by J. C. Meintzer, Jr.

Tub No. 11, sponsored by

Epsilon Pi Chi, will feature Charlie Maxwell as its driver with Tony Vizcarrondo as the alternate driver. This tub, which won first place in the Winter 1970 race, is black and gold and uses a 120-cc McCulloch engine. This vehicle was the first to use a non-motorcycle motor. A special feature of this year's entry is that it was painted by Jack Baldwin.

Tub No. 16, painted blue and white, is sponsored by the Society of Manufacturing Engineers (SME). It will use a Honda engine bored to 160 cc.

Tub No. 21, sponsored by the Southern Tech Auto Club is painted raspberry and will use a Bridgstone 175 engine. This is the first tub to use a plywood

Lap Counter

The following lap counter is provided for the convenience of the specator at this year's bathtub race:

Tub No.	.....
Sponsor	.....
1.	..... 26.
2.	..... 27.
3.	..... 28.
4.	..... 29.
5.	..... 30.
6.	..... 31.
7.	..... 32.
8.	..... 33.
9.	..... 34.
10.	..... 35.
11.	..... 36.
12.	..... 37.
13.	..... 38.
14.	..... 39.
15.	..... 40.
16.	..... 41.
17.	..... 42.
18.	..... 43.
19.	..... 44.
20.	..... 45.
21.	..... 46.
22.	..... 47.
23.	..... 48.
24.	..... 49.
25.	..... 50.
Winner	.....
Second Place	.....
Third Place	.....

Would You Believe An Electric Bathtub?

by Michael E. Barrett

Spectators at the annual STI Bathtub Race may be treated to a glimpse of the future. The shrill screams of the Hondas, Triumphs, and Kawasakis will be broken by the ghost-like silence of an electric bath tub. The members of the Southern Tech student branch of IEEE (Institute of Electronic and Electrical Engineers) are in the process of building their first entry for the tub race.

According to Prof. Robert Carter, faculty representative of IEEE, the tub is being designed as it is built. The drive train was taken from a golf cart and the steering and front suspension were taken from a small foreign car. The completed tub is expected to weigh approximately 530 pounds without batteries. The batteries will contribute an additional 360 pounds to the total weight. Professor Carter stated that a change of batteries during the required pit stop is an-

anticipated. The 1.93 input horsepower golf cart motor is expected to power the racer at a maximum speed of 60 MPH.

Prof. Walter Burton, faculty director of the Bath Tub Race, stated that the IEEE entry conforms to dimensional specifications set forth in the official rules, but that there are no rules governing electric power plants. Internal combustion engines are limited by regulation as to their displacement.

Prof. Carter said that the bath tub has many sponsors who have donated components and tools, but money is being solicited to complete the project.

The IEEE electric tub is a joint effort that will afford first-hand insight as to the feasibility of pollution-free electric automobiles.

When the din of the motorcycle engines starts on May 23, it will be worthwhile to look for the IEEE tub; the one with neither exhaust nor noise.

frame.

The official schedule for Saturday's events follows:

8:00 a.m. Tubs released to owners.

9:00 a.m. Required meeting for drivers, relief drivers, and race management personnel in Room 465 of the Electrical

building.

10:00 a.m. Tune-up and warm-up time.
12:00 noon Track is closed
1:30 p.m. Tubs take position on track.
1:55 p.m. Tubs and drivers in position.

At the end of the race, the trophies will be awarded at the Library.

Race Communications Provided by Signals

As is true in most areas of life, communications is the key that makes the system work. The same is even true of bathtub races.

Two types of signals are employed to keep the race running smoothly and safely. Hand signals are used by the drivers to indicate their inten-

tions while on the track. They, in turn, receive instructions by flag signals. Following is the meaning of these signals:

FLAG SIGNALS

Green—Race is underway or restart the race.

Yellow (motionless) — Danger. No passing until past the danger area.

Yellow (waved) — Great danger. No passing until past the danger area. Be prepared to stop.

Red — Stop immediately and clear the course. The race has been stopped.

Black (open) — Finish the lap you are on and retire to your pit for consultation.

Black (furled) — You are driving in an unsafe manner. If you continue you will be black-flagged.

Checkered (furled)—One more lap. The next time around you will receive the checkered flag.

Checkered (unfurled) and waved — You have finished the race (or practice session). Complete one more lap cautiously before you stop.

HAND SIGNALS

Before entering the pits, the driver must signal by raising his arm over his head.

An overtaken driver must point to the side on which the overtaking driver must pass.

The driver of a stalled tub must raise both his arms to indicate that he will not move until the course is clear.

If a tub stalls after leaving the starting grid, its driver must raise both his arms and remain in his tub until the remaining starters have passed him. (The driver and helper must then push the tub into the pit area to restart it and upon starting the tub, he may begin the race.)

