

The MAY 1961

GEORGIA TECH

Alumnus

A Special Report

The American College Student: 1961

▲ OF LATE we have received a large amount of the "Letter-to-the-editor" variety of mail. This deluge (spring shower might be a better term) started with our November-December issue. But, the thunderclap that really set it off was Professor Glenn Rainey's powerful defense of the public schools, which appeared in the February issue. The ratio of pro to con letters on "Witness for the Defense" was over 8 to 1. Here are how some of them read:

Compliment from Chattanooga

Chattanooga, Tennessee—Professor Rainey's article, "Witness for the Defense" was the most informative, stimulating, and refreshing piece I have ever read on the subject of public schools. He is to be sincerely congratulated and thanked by all of us who have a stake in Georgia's public schools and their future. For my money the article is so tremendously worthwhile that I do hope some means will be found to bring it to the attention of the public in addition to its appearance in the *Alumnus* which, of course, is a very good start.

You may be interested to know that even though the Westinghouse office where I work is located in downtown Chattanooga, my residence on Lookout Mountain is on Georgia soil, and that I, therefore, still reside in Georgia and pay Georgia taxes. My stake in the future of Georgia's education is no more or no less than any other parent who is fortunate enough to have three youngsters.

Frank Willett

An Alumnus-Educator Concurs

North Carolina State College—I would like to congratulate you on the fine article, "Witness for the Defense," which was published in the February issue of *The Georgia Tech Alumnus*.

I would like to add that the course in public speaking which I took under Professor Rainey many years ago was one of the most pleasant experiences I had at Georgia Tech. Please let me congratulate you again on this fine article and express the hope that its message will be taken to heart by our "fellow Georgians."

F. S. Barkalow, Jr.
Head, Department of Zoology

Rebuttal from Europe

Baden, Switzerland—I have studied Professor Rainey's article in the February issue with great interest. After having read many articles, especially in ASME publications about various insufficiencies in the U. S. schools it seems that I have to revise my opinion of this subject. But is it not dangerous to tell to those who are responsible for education in the U. S. that they can take it easy and rest on their achievements of the past?

As an European, I am especially concerned about the chapter of Professor Rainey's article dealing with the *quality* of European education. As a matter of fact he does not really answer the basic question but speaks only of *quantities*, i.e. the number of children having the benefit of this education. But these isolated figures can impress only those not familiar with education abroad. Let us examine the statement that in U. S. about 3 times as many 16 years old children are in school than in some European countries. These figures certainly do not consider the large number of European children leaving public school at the age of 16 and attending compulsory evening schools during 3 to 4 years of apprenticeship. These children are, of course, not listed in statistics as "in school" though they get an excellent training in these evening schools.

The comparison of the size of the European student body versus the number of U. S. students is highly offset by the definition of the word student and the restricted selections of subjects being taught at European universities. Only a small portion of the "children" in the age group of 16 to 23 attending school full time are called students, i.e. only those attending a *university*. Persons attending high schools and professional schools like for instance Engineering Schools (Technikum) are not included in this definition, thus a girl studying home economics in the U. S. is not a student in our countries.

I am really curious whether everybody on the campus agrees with Professor Rainey's article.

W. Leeman
Department 3A
Brown, Boveri & Company

The Chairman of the Regents Speaks Up

Covington, Georgia—"Witness for the Defense" by Professor Glenn Rainey is one of the finest articles I have ever read. It expresses, in language which any layman can understand, some very practical facts about much discussed questions. *The Saturday Review* this week is devoted to a discussion of many educational problems and not one of them is as illuminating to me as is this article by Mr. Rainey. I believe *The Saturday Evening Post* would like to print this or a similar article.

While I am writing, I would like to congratulate you upon the appearance and the content of your magazine.

Robert O. Arnold
Chairman,
Board of Regents

Another alumnus dissents strongly

New York City—I submit that an impartial judge and, indeed, the defendant must wonder in whose behalf Professor Glenn Rainey was testifying in the February issue. If I was opposed to public education, I believe that I would quote this article to show the lengths to which its defenders feel forced to go.

Question 1.—Professor Rainey speaks of quantity. His only reference to quality is that a personal sampling (hearken all survivors of third year statistics) revealed that students are as well prepared as before—and possibly (not probably!) better prepared. I do not think this sufficient for today's standards or is this a premise whose only value lies in aiding fund raising?

Question 2.—Professor Rainey again refers solely to how much and refers not to how well; to method and not content (and is this not the cry of "educationists who claim method to be the more important?").

Question 3.—I ask Professor Rainey (cross examination) to prove that the alternatives he suggests are the only ones. And if they're not why he used them and how prevalent he thinks them to be.

Question 4.—There are some great well-poisoning questions here (or aren't engineers expected to understand logical fallacy?). Is not the issue really "how much of the rearing of children should be attempted in the school system and how much in the home elsewhere? Should tax money be spent to permit parents to default on their moral obligations?"

Question 5.—Does it really take a column in *The Georgia Tech Alumnus* to give a defense of progress—to engineers? And does Professor Rainey deny that public classrooms have been used to

allow children to do as they please? I refer him to any 1959-60 issue of *The Atlantic* which has aired the methods of John Dewey's advocates, pro and con.

Question 6.—I agree that ideals are wonderful things. However, I contrast Professor Rainey's Dr. Byron C. Hollingshead to Harvard's Dr. James Conant and his report on the state of the American high school. There's certainly nothing wrong with patting ourselves on the back—but prematurely, or through numbers without an identified base?

Question 7.—I submit that Russia is so far ahead of us because they reward the products of knowledge much better than we do. And that their low standard of living is the incentive which works. Until we offer to the men who own superior minds the same privileges we offer to men who own cement we will stay behind the Russians.

Question 8.—I can only conclude from Professor Rainey's straw men that he agrees that Private Schools are superior to Public Schools. Perhaps the reasons are valid, but they are still superior.

Question 9.—Is not the evidence for judging a curriculum the usefulness of it? Professor Rainey did not comment as to whether or not an education major has the necessary background for advanced study in any area other than education: Can a teacher get a master's degree in his subject specialty without having to take any undergraduate subjects?

In summary I think that the prosecution has managed to sneak in one of its own witnesses. Let us defend public schools on whatever moral and philosophical principles we hold—but let us deal with the real problems—which do exist—and not try to whitewash them. Let us not use question begging or the stolen concept in hopes that our logical fallacies will not be discovered. Truth will out, but only when we do not allow our prejudices to suppress it.

A. James Smith, Jr.

P.S. These thoughts are offered in competition with Professor Rainey's reckoning, not his rhetoric. I hope they will not be dismissed because of their lack of style.

A football coach sends congratulations

Atlanta—I enjoyed Professor Rainey's article in the *Alumnus* in regards to our educational system in our nation. It was very informative and your presentation was very interesting. More of us who are in educational activities should adopt this approach to those who are critics of our system. I thoroughly enjoyed the article.

John Robert Bell

A Public School Superintendent adds his thanks Greensboro, N. C.—Mr. James Westbrook, an alumnus of Georgia Tech, has shared his February copy of *The Georgia Tech Alumnus* with me, and I have been most interested to read the article "Wit-ness for the Defense." Please accept the humble and sincere appreciation of a North Carolina public school administrator for an excellent statement which I wish could have the publicity it deserves. I am sure I shall be quoting it many times in the future.

P. J. Weaver

Agreement and disagreement from Virginia

Sterling, Virginia—This time I agree with Professor Rainey. Our public schools need our support. (They do not need, of course, federal money). But his defense seems rather weak in that the questions he asks, no responsible person would ask. By Mr. Rainey's broad, sweeping questions a straw man is allowed to be set up which Mr. Rainey neatly destroys. He reminds me of Ralph McGill, editor of *The Atlanta News-papers*.

Elroy Strickland

A faculty member agrees

Georgia Tech—I just had the great pleasure of reading Glenn Rainey's refreshing article in the February issue of *The Georgia Tech Alumnus*. After having read it, I felt proud to be a member of the same faculty to which its author belonged.

Please accept my thanks for your using this well-known communications skills to inform our alumni on such an important issue.

Edward H. Loveland
Director, School of Psychology

▲ THE FLURRY of letters from the February issue had just started slowing down when out came the March issue and a new flow of letters began:

The Face of the Institute is changing

Auburn, Alabama—As an alumnus and former faculty member, I salute you and your staff for the makeup and the content of the March edition. The quality of both photography and typography is fresh and imaginative.

President Harrison's leadership as reported in "Approach to a Crisis" is most encouraging to those who love the institution and desire its reputation to continue and to grow.

Your editorial and your presentation of "The Face of A Poet" and "Two for the Show" suggest a renewal of interest in academic affairs and in the arts and humanities which augurs well for an in-

stitution long dedicated too exclusively to technology.

Finally, Dr. Kenneth Wagner renders real service in calling us to look factually at the economic signs of our time.

Sam T. Hurst
Dean, School of Architecture and Arts

Another Tiger heard from

Clemson College—Your March issue is one of the very finest alumni magazines I have ever seen—any where, any time. Can you spare me four more copies?

Joe Sherman
Alumni Director

President congratulated

Lakewood, Ohio—I have received your March issue of the *Alumnus* and thought the handling of the "crisis" forthcoming at Tech was handled in an excellent manner by President Harrison. Unfortunately, the Cleveland papers did not give this side of the story as much publicity as they did the Georgia riots. But from my observations here, the people up here were very proud of the stand of the President of Georgia in his handling of the admission problems.

Through your notes on the particular classes I was able to get together with one of my fraternity brothers who I haven't seen in three years. He had been with Firestone in Akron, only 30 miles away, for two years.

Bruce E. Warnock

Another country heard from

South Benfleet, Essex, England—I received my March issue a few days ago. I am so proud of the activity of the administration of our wonderful school that I must express to you, Mr. Harrison and all other persons concerned my appreciation of the wonderful way in which you are handling this crisis—as well as reporting it.

I have always been very proud of being an alumnus of this institution, but I am even more proud today after reading your report which shows conclusively that we have a level-headed faculty and students at Georgia Tech today.

Please accept my most hearty congratulations on a most wonderful job being done, and I am sure that all people connected with Tech can be proud of the way this crisis will be handled.

Robert R. Gibson

▲ THERE ARE FEW things in life as pleasing to an editor as reactions like these. Whether the letters are pro or con, we want to keep them coming. On page 10 of this issue, Glenn Rainey is at it again.

Bob Wallace, Jr.

Moment of Truth . . .

Remember? The bluebooks were passed, the exam questions posted . . . then the panicky moment of blankness before facts gradually swam into focus. Final exams were the crucible of study and, in a real sense, forerunners of the many "moments of truth" for which each of us must prepare throughout life.

Preparation for decisive moments is man's strategy in facing his future. But this planning needn't always be a lonely, uncertain affair. The experience and understanding of a Connecticut Mutual Life man can greatly facilitate the wise safeguarding of your family . . . and provide for the needs that loom ahead. Use the counsel of this objective partner. Out of a wide variety of policies and payment methods, a CML man will prepare the plan best suited to secure your dreams. He's a helpful man to talk with.

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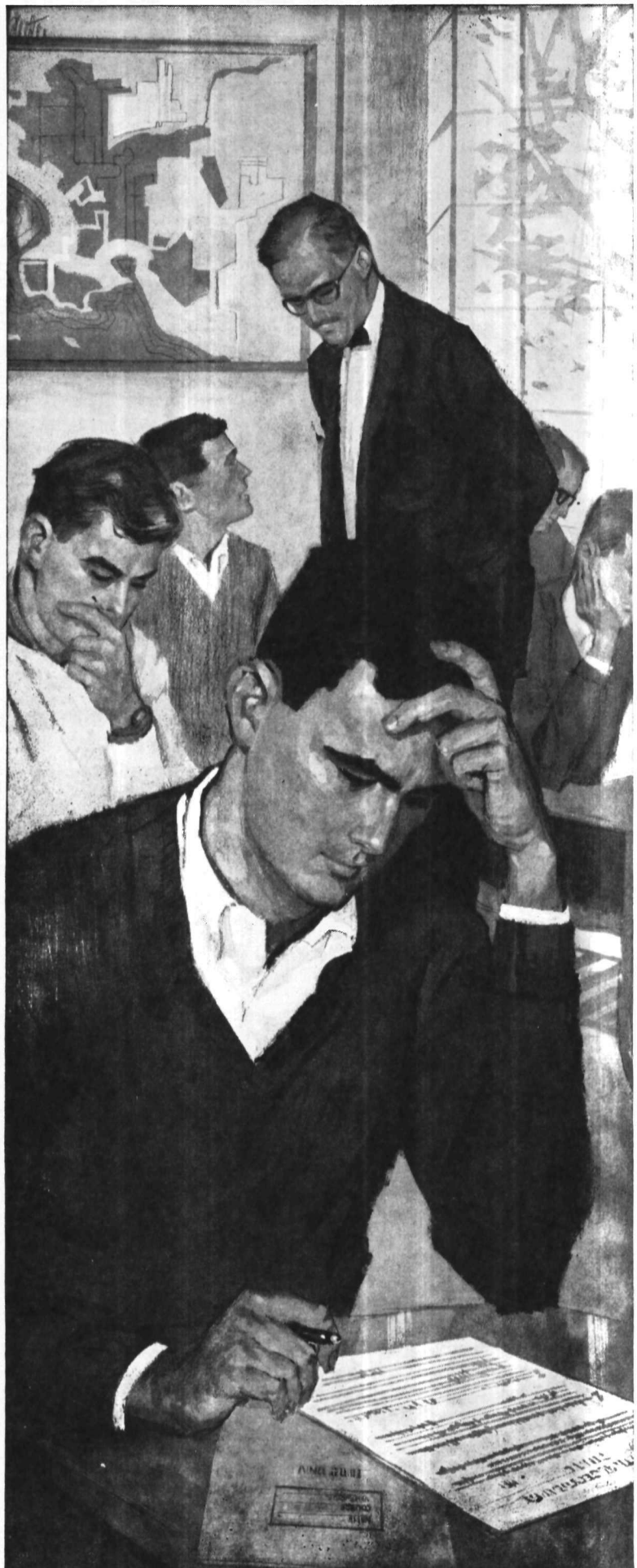
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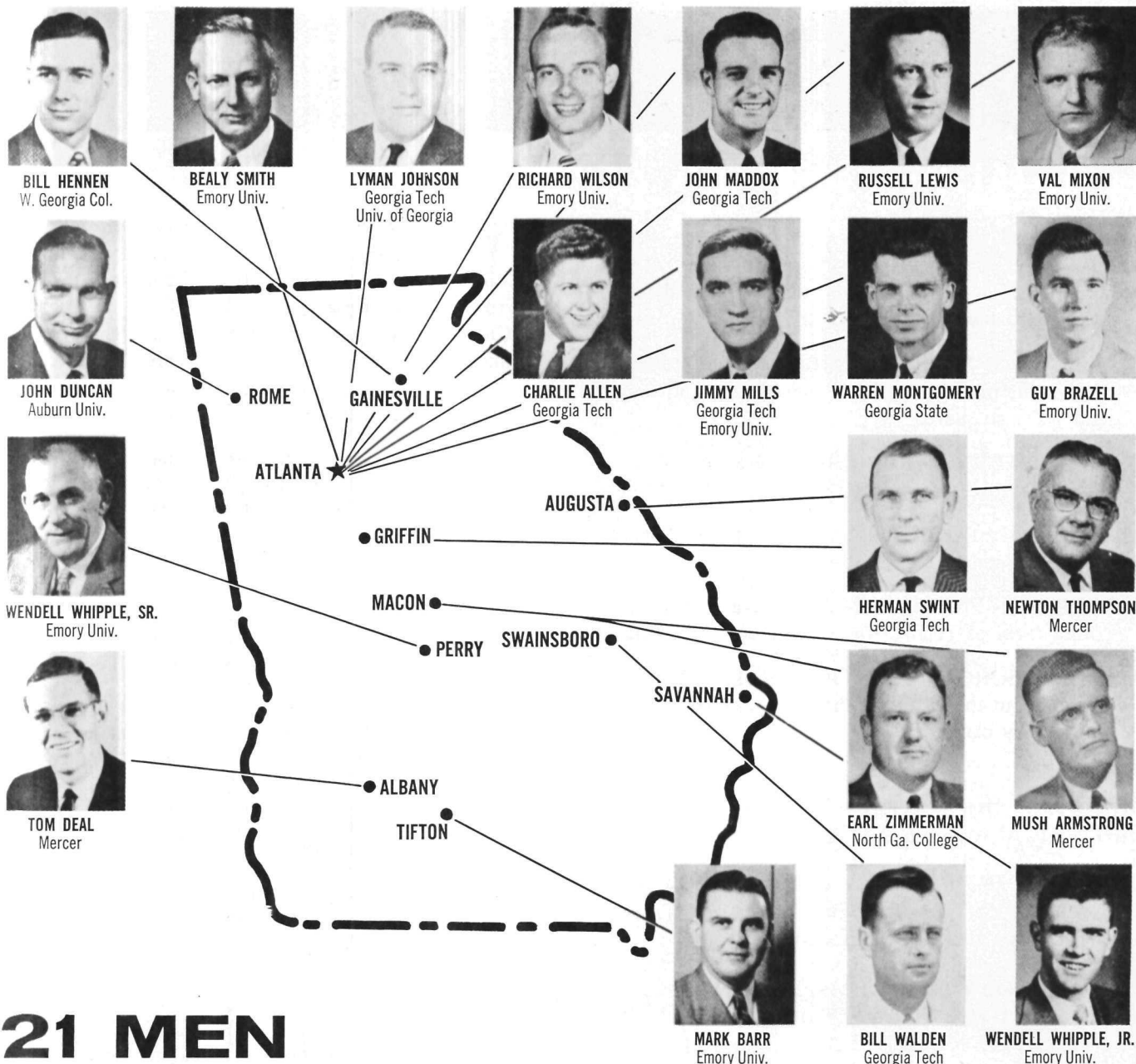
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21 MEN

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The MAY, 1961

GEORGIA TECH

As I See It...

Alumnus

VOLUME 39 • NUMBER 7

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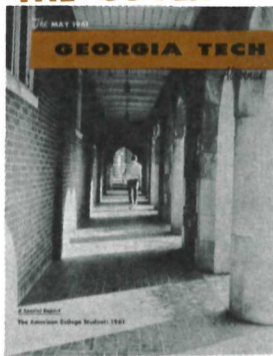
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THE COVER



There is no present generation as such. There is only a collection of individuals winding their own ways through the most important years of their lives or so the theory goes according to the special report which begins on page 13 of this issue. And, as the editors of this report point out, perhaps this is the way that it has always been.

Published eight times a year—February, March, May, July, September, October, November and December*—by the Georgia Tech National Alumni Association, Georgia Institute of Technology; 225 North Avenue, Atlanta, Georgia. Subscription price (35c per copy) included in the membership dues. Second class postage paid at Atlanta, Georgia.

YOU NEVER KNOW where Georgia Tech will turn up in print. For example, the February issue of the *Auburn Alumnus* (of all publications) features a front-page editorial entitled "A Georgia Tech Man Challenges the Auburn Spirit." I thought you might like to read its key paragraphs. Here they are:

"Several weeks ago *The Alumnus* Editor, in search of a feature story, accompanied Alumni Field Secretary Herb White '55 on a trip to Huntsville. While there, the editor met a man from Georgia Tech—one will turn up almost anywhere you go. Like all Tech men this one had a word and a knowing smile.

"The editor of *The Alumnus* liked the word, for it was *challenge*. But he didn't like the assurance of the smile, for it implied a negative answer to the challenge expressed in the form of a question: 'Do you think Auburn can bat in our league?' That was all he chose to say—that and all that he implied with the smile.

"This Tech man wasn't talking about baseball, or football, or basketball, or even scholarship and research. He was talking about loyalty and school spirit. *He was challenging the Auburn Spirit.*

"Tech men are proud because year after year Tech alumni rank among the top alumni groups in the nation in percentage of alumni participation in their loyalty program.

"The Tech man at Huntsville had a little pamphlet on his desk in the engineering section at Brown Engineering. The pamphlet was a record of Georgia Tech's 'Loyalty Fund' success. He put the little pamphlet down before the editor of the Auburn alumnus, and he asked his question and smiled.

"The editor of *The Alumnus* is not willing yet to accept the implication of that Tech man's smile. For he believes that the volunteer cards and the purchased shares in (Auburn's) Nuclear Science Center will come rolling in within the next few days. He believes that Auburn alumni can and will answer any challenge to the Auburn Spirit (and he respects the challenge of a Georgia Tech man)—But if several weeks pass and his expectations are unfulfilled, he may print the words and music to 'Ramblin' Wreck' in this place and prepare to live forever haunted by that knowing smile of the Tech alumnus."

This is what I call putting Tech alumni on the spot. For instance, if our Roll Call should fall down this year, think what that Auburn editor might be able to say. If you haven't sent in your contribution for the 1960-61 Roll Call, I trust that you will do it now before the June 30 deadline rolls around.

R.A. Siegel

TECH ALUMNUS

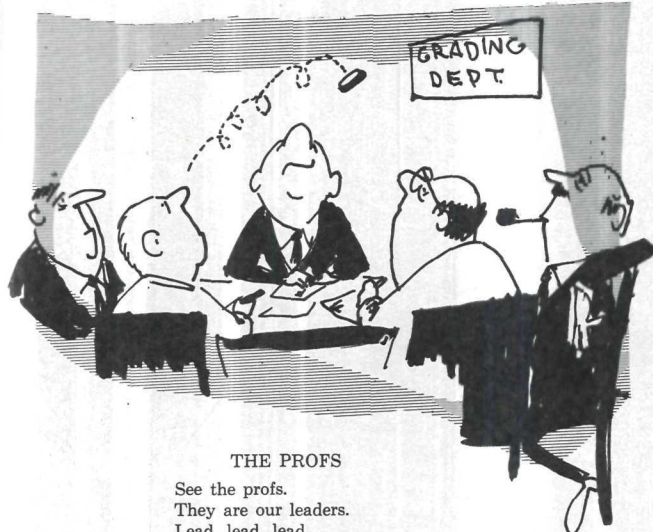
The irritations of college life today are best reflected in satire. And, in the pages of The Rambler, Tech's successor to The Yellow Jacket, today's student gives vent to his frustrations in many articles like this:

Artwork by David Cooper

THE GEORGIA TECH PRIMER

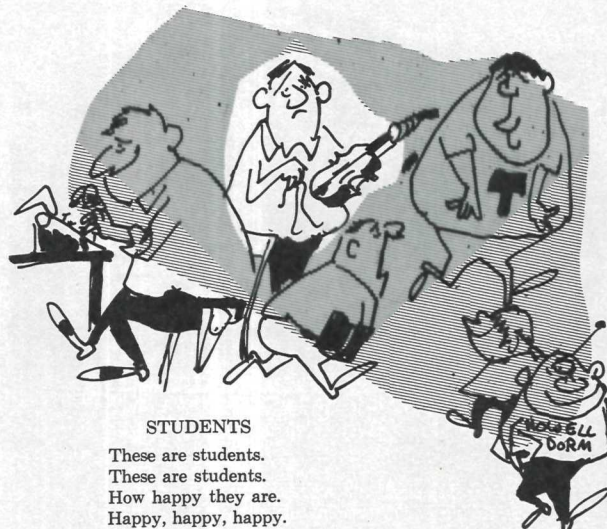
If today's Georgia Tech were reported in the same style as a modern first-grade reader, here is how it might appear to the historian:

by Jack Robinson
and Tom Tuttle



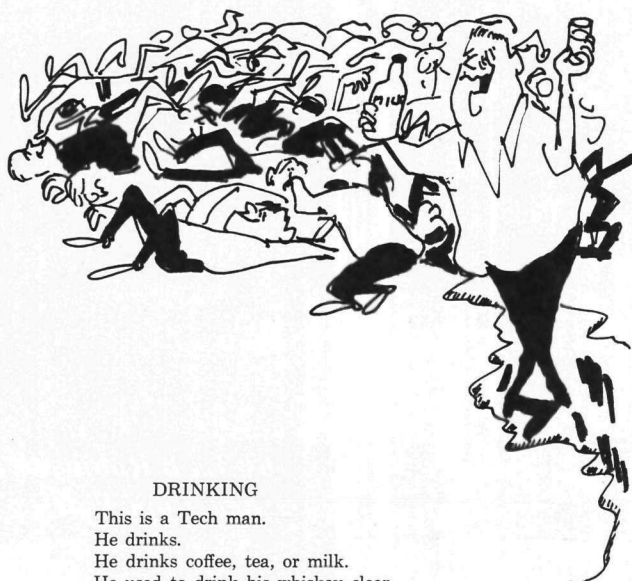
THE PROFS

See the profs.
They are our leaders.
Lead, lead, lead.
Some profs are young.
Some profs are old.
All profs are sadists.
What do they do for fun?
They give grades.
Bad grades.
They think this funny.
They don't have to take the course again.
Profs are morally straight.
They understand right and wrong.
They are right.
You are wrong.



STUDENTS

These are students.
These are students.
How happy they are.
Happy, happy, happy.
Here is a physicist.
He makes uranium.
He is happy.
He will be sterile in two days.
But he is happy.
Here is an EE.
He makes electric chairs.
He is very happy.
Here is Fred.
Fred is unhappy.
He wants to string violins.
Fred is a damn malcontent.



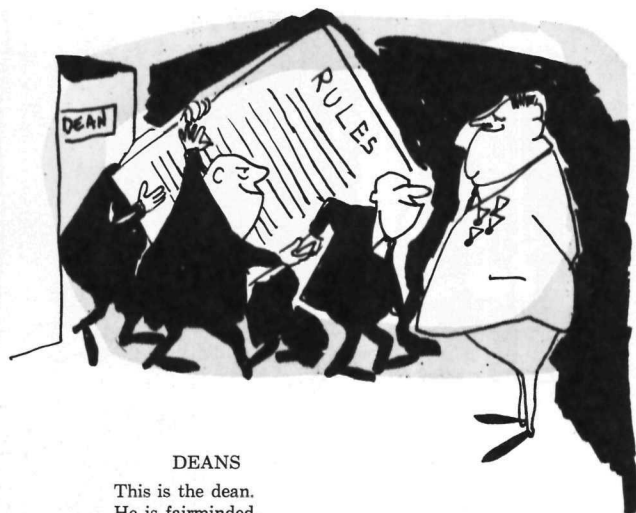
DRINKING

This is a Tech man.
He drinks.
He drinks coffee, tea, or milk.
He used to drink his whiskey clear.
Damned intemperance!
Now he is temperant.
The WCTU is happy.
The deans are happy.
They have been in the communion wine.
Joy, joy, joy!



FRATERNITIES

This is a frat man.
He is a social worker.
He collects for the poor.
Charity, charity, charity.
Frats build school spirit.
Frats build school spirit.
Frats build displays.
Frats build Ramblin' 'Recks.
The school charges them to park their wrecks.
Bureaucracy!
Frat men love their frats.
They also love their frats' parties.
Get thee to a convent — frat man!



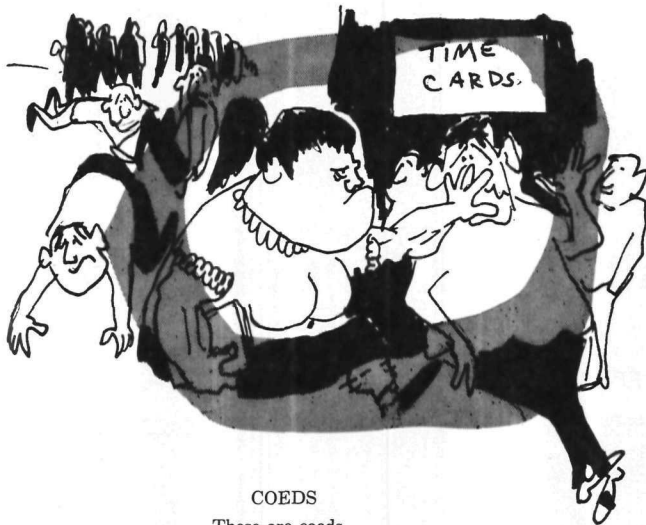
DEANS

This is the dean.
He is fairminded.
Watch him play fair.
Play, play, play.
He is a straight shooter.
He shoots straight at you and me.
Bang, bang, bang.
He is a good scout.
He is aces.
Cheer, cheer, cheer.
We feel sorry for the dean.
He missed his calling.
He would have made a first-rate den mother.



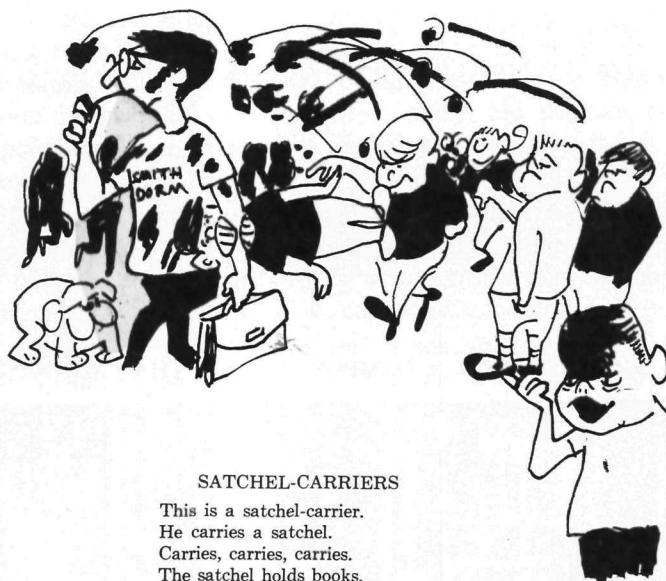
B & G

This means Buildings and Grounds.
We have B & G men at Tech.
They work on the buildings and the grounds.
They work hard.
They work very, very, very hard.
They do their best.
They do good type jobs.
They clean rooms and halls.
They mow the lawns.
They keep the campus tidy and clean.
They even work some freshmen's math.
Something should be done for them.
They should be allowed to work in the afternoons, too.



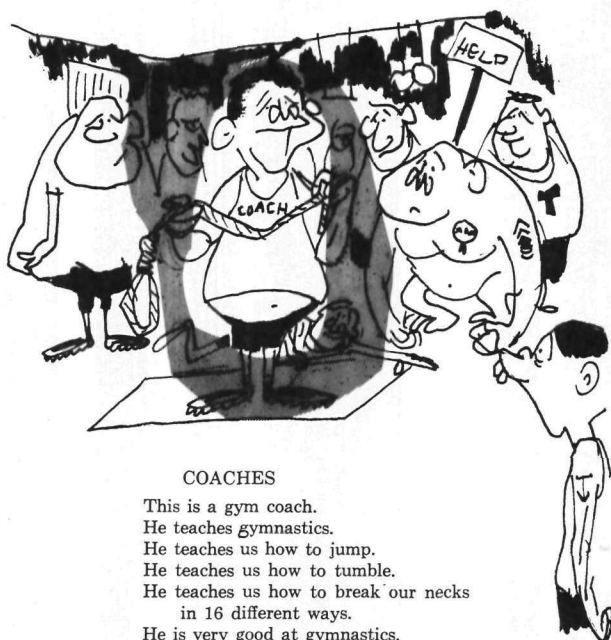
COEDS

These are coeds.
They live on the hill.
They are in the minority.
They love it.
Coeds are easy to tell.
They don't shave on Thursdays.
Shave, shave, shave.
You should be nice to coeds.
You should not be gruff.
You should not be rude.
They will stomp you if you are.
They are smart.
They must be smart.
They are nothing else.



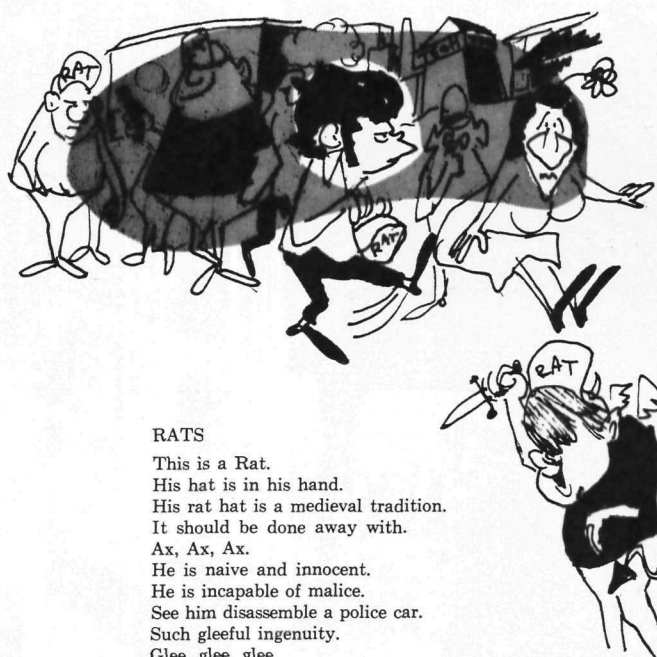
SATCHEL-CARRIERS

This is a satchel-carrier.
He carries a satchel.
Carries, carries, carries.
The satchel holds books.
The satchel is heavy.
But the satchel-carrier doesn't mind.
The satchel has a handle.
Maybe even two handles.
Books don't even have one handle.
We like the satchel-carrier.
He is a good influence on us.
Good, good, good!
So are our mothers.



COACHES

This is a gym coach.
He teaches gymnastics.
He teaches us how to jump.
He teaches us how to tumble.
He teaches us how to break our necks
in 16 different ways.
He is very good at gymnastics.
He thinks we should be too.
What a mistake!
He shows us how to do the stunts.
He says they are very simple.
He is very interested in them.
It figures.



RATS

This is a Rat.
His hat is in his hand.
His rat hat is a medieval tradition.
It should be done away with.
Ax, Ax, Ax.
He is naive and innocent.
He is incapable of malice.
See him disassemble a police car.
Such gleeful ingenuity.
Glee, glee, glee.
Rat caps make him conform.
So do dorm counsellors.
Rat caps are bad.
So are dorm counsellors.

Professor Glenn Rainey returns to the pages of the Alumnus to talk about one of the great problems of today's college student . . .

The great challenge is to develop true

LEADERSHIP ON A CAMPUS IS MORE THAN WINNING OFFICE THROUGH A STUDENT ELECTION.



LEADERSHIP

TO TALK OF LEADERSHIP on the modern college campus is to come to grips at once with a whole set of problems and of issues that are not so much unprecedented as they are desperately urgent. If ever in the past, in defining leadership, we could be content to equate it with personal popularity, with success in attaining desirable offices, with scholastic or extra-scholastic achievement, with *recognition* and with *honors*—we cannot be content to do so now. Our needs for true leadership are so pressing that *success* and enviable position serve too often only to underscore the poverty of leadership in a person so spot-lighted. Our need is not for *leaders* but for men and women fit to take the lead—for generously motivated leaders ready to move ahead of us in the direction in which we dare not fail to go.

Our colleges exist in a world in which problems nearly insuperable are overshadowed by others yet more grave:

First in gravity, one supposes, is the question of survival—not just of our way of life, not just of our country, not just of modern civilized society, but of intelligent life in our solar system, and perhaps of life itself. It is perfectly plain that unless men can invent ways to live together and to cabin in the forces of incalculable destruction, we face the wiping out of those god-like investments of consciousness and creativity which we have enjoyed for only a few seconds on our planet and which, so far as we can now know, are unique in space and time.

Second, we have the problem of winning a victory over Communist aggression and pretension as they threaten free institutions wherever such institutions survive—a victory which must be somehow effected without reconciling ourselves to the malignant counter-balance of fascist totalitarianism.

Third, we have the problem of working out the transitions in our own economy from one abundance to another without those anguishes, distortions, and paralyses which deprive us of the fruits of our genius. In the whole economic history of man, no operation has ever been attempted that is more delicate or more difficult than our effort to strike a wholesome balance between free economic enterprise on the one hand and governmental safeguards and complements on the other—safeguards and complements purposed not to hamper or destroy free enterprise but to sustain a climate in which our scientific, engineering, productive and distributive forces may thrive vigorously.

Fourth, we have the problem of working out constructively and humanely our internal problems of race, region, class, and religion—with the eyes of continents of skeptical spectators focussed upon us. A billion souls in the *middle world* watch while we struggle to revise old patterns of bigotry and discrimination in the image of our own incomparable ideal.

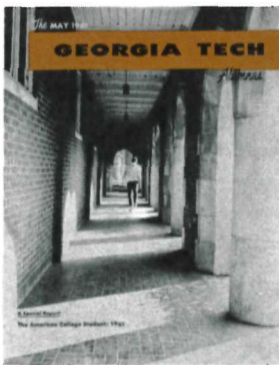
Fifth, and finally only in the present context, we have a problem of molding human beings worthy of the heritage of leisure and of gracious living which is now easily within the reach of all mankind if we can but discipline ourselves.

Against the backdrop of our needs and problems, if one should argue that it all boils down to a moral and a spiritual crisis, the answer is that indeed it does, and that it is just this crisis which confronts every home, every church, and every school. For the responsible agents of any institution of education to assume that they are completely performing their function when they turn out highly trained specialists—whom, to be sure, we must have in full supply—is to play a weary game of self-delusion and betrayal. The more effectively trained the specialist is, the more powerful an instrument or weapon he is in the hands of whatever force manages to exploit him or to win his allegiance. In a free society it is of first importance that the specialist equip himself to play a worthy role in the public processes which must control the framework in which his talents are to be employed. If he cannot think and perform in the arena of first-class citizenship and statesmanship, he yields by forfeit to more broadly equipped contestants. In a free society no man of stature has the right to beg off from the responsibilities of citizenship and of leadership.

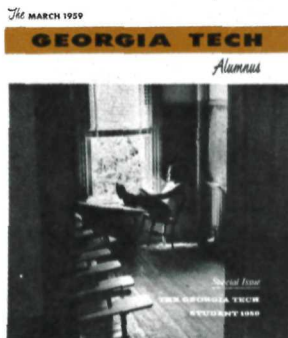
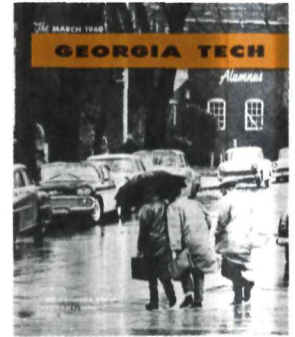
One needs to correct the delusion, if one harbors it, that leadership on the college campus is something reserved for a special few. A college is a place where leadership is nurtured and concentrated. Every college student is inescapably a leader—a good one or a bad one! College is not preparation for life: it is one of the vital, central sectors of life, and the climate of our colleges and the character of our students are measures of our national vitality and maturity. What goes on in our students augurs the future of our society.

It follows that we must call upon our students for a devotion and a commitment. We need a leadership of integrity, of imagination, and of creativity. We cannot afford the sleazy luxury of degenerate posturing and complacency. We need a college community that is alert and informed and concerned. We need daring and idealism at work. At this crossroads of the ages we cannot consent that our best young people barter off the high calling of man's fulfillment in exchange for the mere vulgarities of thrill and self-expression.

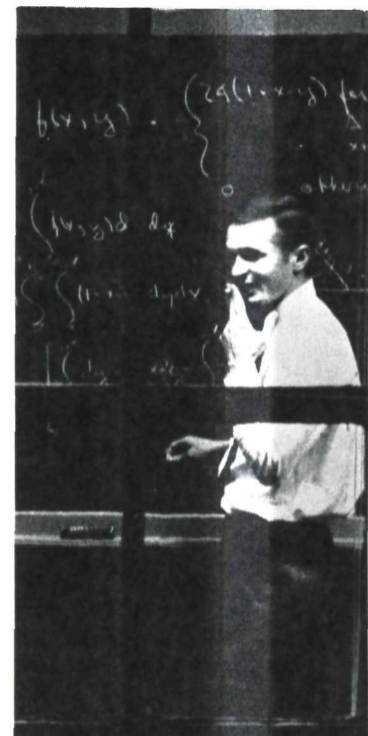
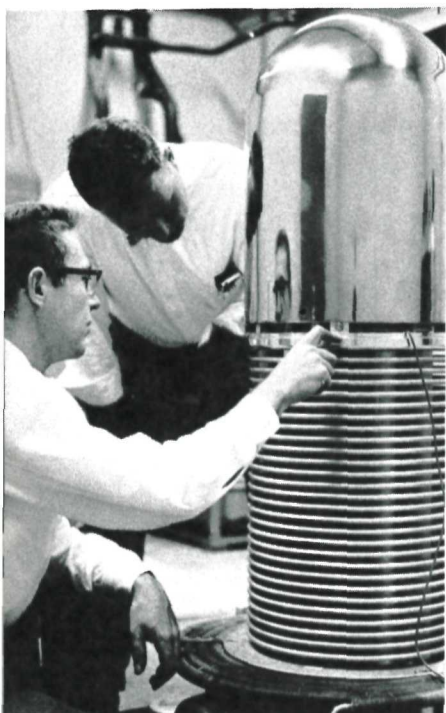
We cannot abandon our best young people to cheap exhibitionism, to self-indulgence or to irresponsible ambition. Least of all can we permit them to flounder into cynicism—that final atheism!

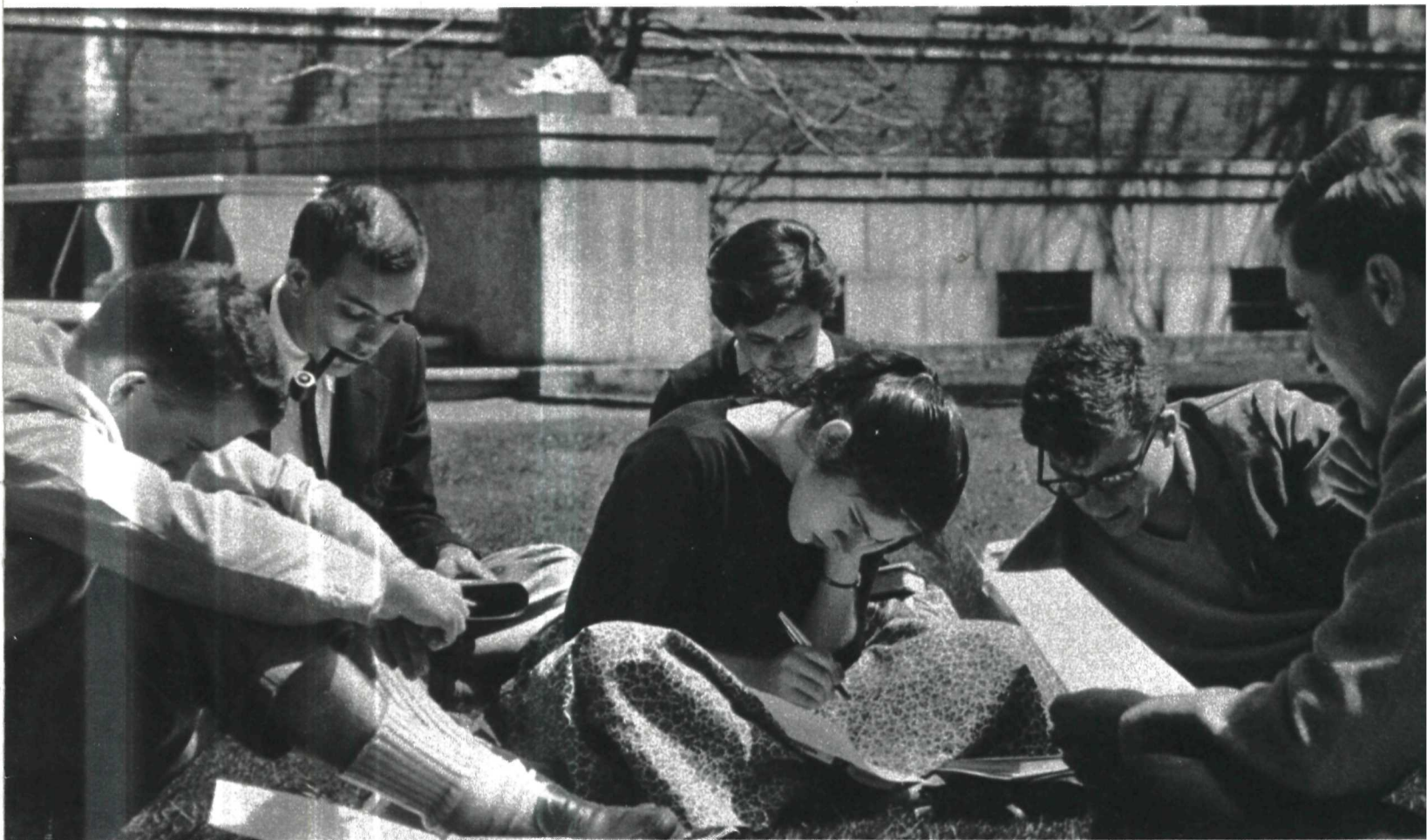


OVER THE PAST FOUR YEARS, this magazine has become the top winner in coverage of the college student in the national publications competition sponsored by the American Alumni Council. In 1957, *The Alumnus* took first place in the student category; in 1958 it came up with an honorable mention in this category; in 1959, it won both first place for student coverage and a special award for its issue on "The Georgia Tech Student: 1959"; and in 1960, another special award came



its way for its issue on "The Georgia Tech Student: 1960." It stands to reason then that we are more than a mite interested in the special 16-page supplement on "The College Student" which begins on the page opposite. This supplement is the fourth such project undertaken by a national group of alumni editors called Editorial Projects for Education, Inc., dubbed "Operation Moonshooter," by the editors. This year, this group has really taken aim at the moon by attempting to portray the college student on a national level. We like their approach. They did not attempt to label or libel the present generation. They just let the students speak for themselves (a method used by *The Alumnus* in its two issues on "The Tech Student"). We know that you will get a better idea of the college student by reading the provocative and varied statements of 16 students in this supplement.





SUSAN GREENBURG

*Times have changed.
Have America's college students?*

THE COLLEGE STUDENT,

they say, is a young person who will...

... use a car to get to a library two blocks away, knowing full well that the parking lot is three blocks on the other side.

... move heaven, earth, and the dean's office to enroll in a class already filled; then drop the course.

... complain bitterly about the quality of food served in the college dining halls—while putting down a third portion.

... declaim for four solid years that the girls at his institution or at the nearby college for women are unquestionably the least attractive females on the face of the earth; then marry one of them.

BUT there is a serious side. Today's students, many professors say, are more accomplished than the average of their predecessors. Perhaps this is because there is greater competition for college entrance, nowadays, and fewer doubtful candidates get in. Whatever the reason, the trend is important.

For civilization depends upon the transmission of knowledge to wave upon wave of young people—and on the way in which they receive it, master it, employ it, add to it. If the transmission process fails, we go back to the beginning and start over again. We are never more than a generation away from total ignorance.

Because for a time it provides the world's leaders, each generation has the power to change the course of history. The current wave is thus exactly as important as the one before it and the one that will come after it. Each is crucial in its own time.

WHAT will the present student generation do? What are its hopes, its dreams, its principles? Will it build on our past, or reject it? Is it, as is so often claimed, a generation of timid organization people, born to be commanded? A patient band of revolutionaries, waiting for a breach? Or something in between?

No one—not even the students themselves—can be sure, of course. One can only search for clues, as we do in the fourteen pages that follow. Here we look at, and listen to, college students of 1961—the people whom higher education is all about.



Scott Thompson



Barbara Nolan



Robert Schloredt



Arthur Wortman

*What are
today's students
like?*

*To help
find out, we
invite you to join*

A seminar

*Robert Thompson**Roy Muir**Ruth Vars**Galen Unger**Parker Palmer**Patricia Burgamy**Kenneth Weaver**David Gilmour**Martha Freeman**Dean Windgassen*

THE fourteen young men and women pictured above come from fourteen colleges and universities, big and little, located in all parts of the United States. Some of their alma maters are private, some are state or city-supported, some are related to a church. The students' studies range widely—from science and social studies to agriculture and engineering. Outside the classroom, their interests are similarly varied. Some are athletes (one is All-American quarterback), some are active in student government, others stick to their books.

To help prepare this report, we invited all fourteen, as articulate representatives of virtually every type of campus in America, to meet for a weekend of searching discussion. The topic: themselves. The objective: to ob-

tain some clues as to how the college student of the Sixties ticks.

The resulting talk—recorded by a stenographer and presented in essence on the following pages—is a revealing portrait of young people. Most revealing—and in a way most heartening—is the lack of unanimity which the students displayed on virtually every topic they discussed.

As the seminar neared its close, someone asked the group what conclusions they would reach about themselves. There was silence. Then one student spoke:

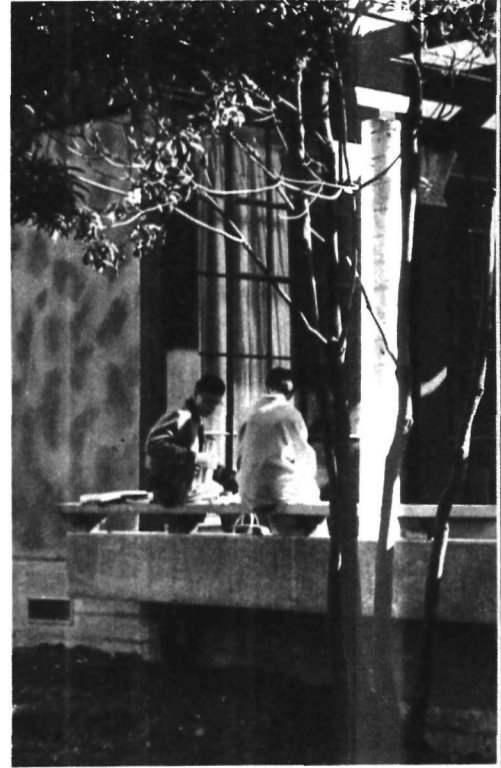
"We're all different," he said.

He was right. That was the only proper conclusion.

Labelers, and perhaps libelers, of this generation might take note.

of students from coast to coast

“Being a



ERICH HARTMANN, MAGNUM



SUSAN GREENBURG

student is a wonderful thing."



STUDENT YEARS are exciting years. They are exciting for the participants, many of whom are on their own for the first time in their lives—and exciting for the onlooking adult.

But for both generations, these are frequently painful years, as well. The students' competence, which is considerable, gets them in dutch with their elders as often as do their youthful blunders. That young people ignore the adults' soundest, most heart-felt warnings is bad enough; that they so often get away with it sometimes seems unforgivable.

Being both intelligent and well schooled, as well as unfettered by the inhibitions instilled by experience, they readily identify the errors of their elders—and they are not inclined to be lenient, of course. (The one unforgivable sin is the one you yourself have never committed.) But, lacking experience, they are apt to commit many of the same mistakes. The wise adult understands this: that only in this way will they gain experience and learn tolerance—neither of which can be conferred.

"They say the student is an animal in transition. You have to wait until you get your degree, they say; then you turn the big corner and there you are. But being a student is a vocation, just like being a lawyer or an editor or a business man. This is what we are and where we are."

"The college campus is an open market of ideas. I can walk around the campus, say what I please, and be a truly free person. This is our world for now. Let's face it—we'll never live in a more stimulating environment. Being a student is a wonderful and magnificent and free thing."

“You go to college to learn, of course.”



SUSAN GREENBURG

A STUDENT'S LIFE, contrary to the memories that alumni and alumnae may have of "carefree" days, is often described by its partakers as "the mill." "You just get in the old mill," said one student panelist, "and your head spins, and you're trying to get ready for this test and that test, and you are going along so fast that you don't have time to find yourself."

The mill, for the student, grinds night and day—in classrooms, in libraries, in dining halls, in dormitories, and in scores of enterprises, organized and unorganized, classed vaguely as "extracurricular activities." Which of the activities—or what combination of activities—contributes most to a student's education? Each student must concoct the recipe for himself. "You have to get used to living in the mill and finding yourself," said another panelist. "You'll *always* be in the mill—all through your life."



But learning comes in many ways."

SUSAN GREENBURG

"I'd like to bring up something I think is a fault in our colleges: the great emphasis on grades."

"I think grades interfere with the real learning process. I've talked with people who made an A on an exam—but next day they couldn't remember half the material. They just memorized to get a good grade."

"You go to college to learn, of course. But learning comes in many ways—not just from classrooms and books, but from personal relations with people: holding office in student government, and that sort of thing."

"It's a favorite academic cliché, that not all learning comes from books. I think it's dangerous. I believe the greatest part of learning does come from books—just plain books."

ERICH HARTMANN, MAGNUM



"It's important to know you can do a good job at something."

IT'S HARD to conceive of this unless you've been through it . . . but the one thing that's done the most for me in college is baseball. I'd always been the guy with potential who never came through. The coach worked on me; I got my control and really started going places. The confidence I gained carried over into my studies. I say extracurricular activities are worthwhile. It's important to know you can do a good job at something, *whatever* it is."

► "No! Maybe I'm too idealistic. But I think college is a place for the pursuit of knowledge. If we're here for knowledge, that's what we should concentrate on."

► "In your studies you can goof off for a while and still catch up. But in athletics, the results come right on the spot. There's no catching up, after the play is over. This carries over into your school work. I think almost everyone on our football team improved his grades last fall."

► "This is true for girls, too. The more you have to do, the more you seem to get done. You organize your time better."

► "I can't see learning for any other purpose than to better yourself and the world. Learning for itself is of no value, except as a hobby—and I don't think we're in school to join book clubs."

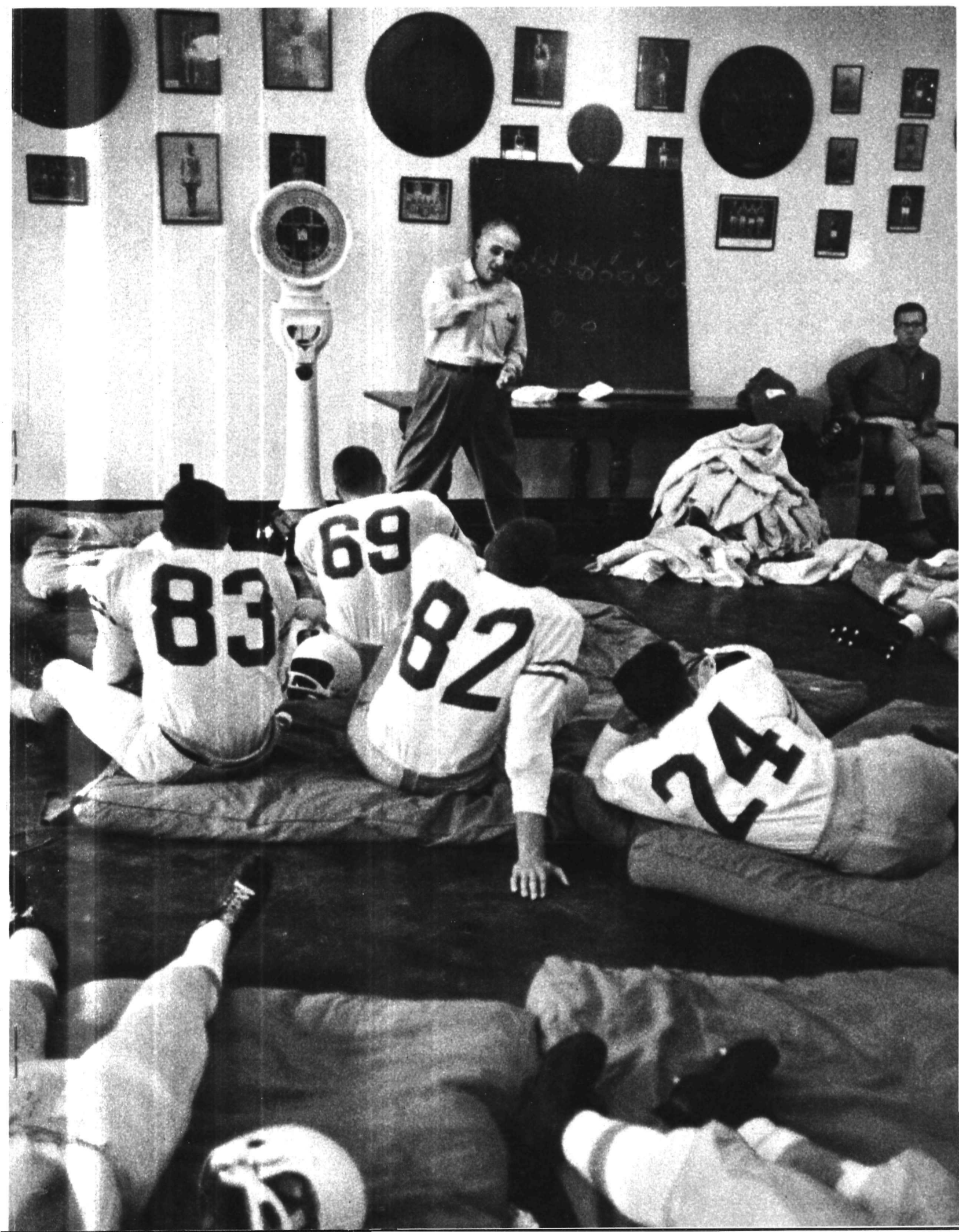
► "For some people, learning *is* an end in itself. It *can* be more than a hobby. I don't think we can afford to be too snobbish about what should and what shouldn't be an end in itself, and what can or what can't be a creative channel for different people."

*"The more you do, the more
you seem to get done.
You organize your time better."*



SUSAN GREENBURG

*"In athletics, the results come
right on the spot. There's
no catching up, after the play."*



“It seems to me you’re saying that

COLLEGE is where many students meet the first great test of their personal integrity. There, where one’s progress is measured at least partly by examinations and grades, the stress put upon one’s sense of honor is heavy. For some, honor gains strength in the process. For others, the temptation to cheat is irresistible, and honor breaks under the strain.

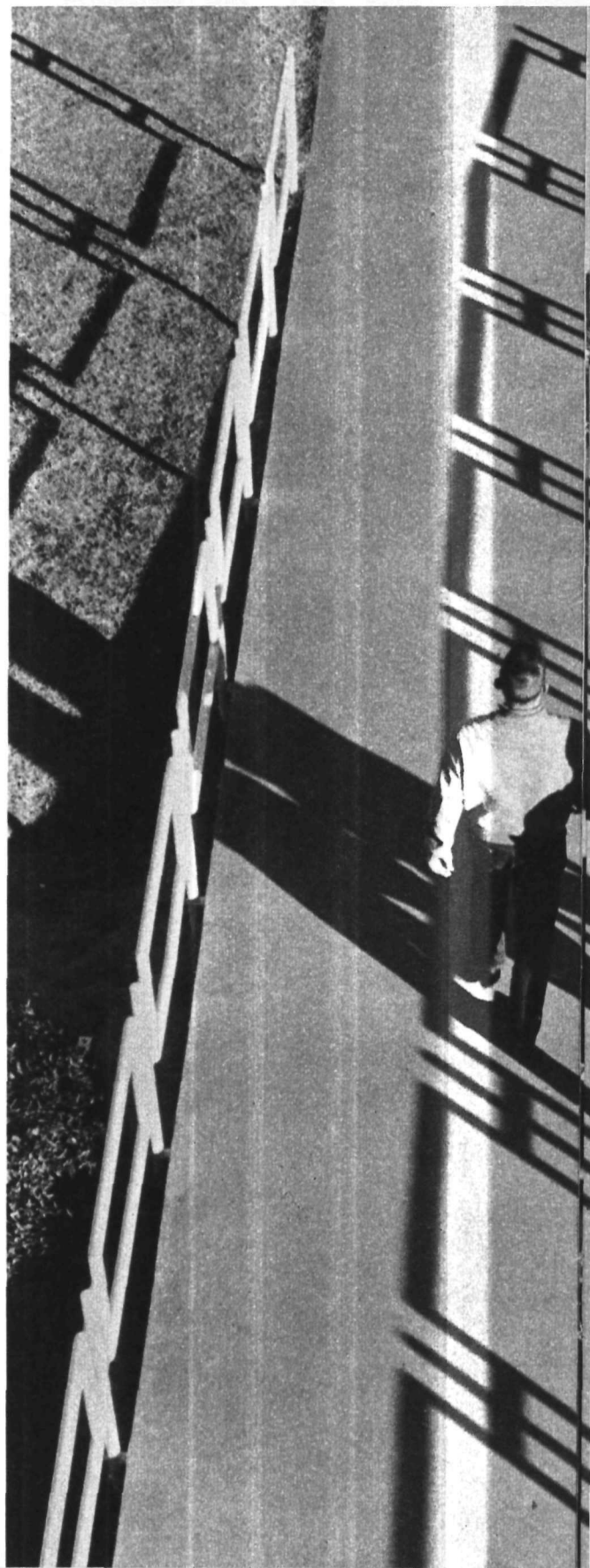
Some institutions proctor all tests and examinations. An instructor, eagle-eyed, sits in the room. Others have honor systems, placing upon the students themselves the responsibility to maintain integrity in the student community and to report all violators.

How well either system works varies greatly. “When you come right down to it,” said one member of our student panel, “honor must be inculcated in the years before college—in the home.”



ST. LOUIS POST-DISPATCH

*“Maybe you need a B in a test,
or you don’t get into
medical school. And the guy ahead
of you raises the average by
cheating. That makes a real problem.”*



honor works only when it's easy."



ERICH HARTMANN, MAGNUM

"I'm from a school with an honor system that works. But is the reason it works maybe because of the tremendous penalty that's connected with cheating, stealing, or lying? It's expulsion—and what goes along with that is that you can't get into another good school or even get a good job. It's about as bad a punishment as this country can give out, in my opinion. Does the honor system instill honor—or just fear?"

"At our school the honor system works even though the penalties aren't that stiff. It's part of the tradition. Most of the girls feel they're given the responsibility to be honorable, and they accept it."

"On our campus you can leave your books anywhere and they'll be there when you come back. You can even leave a tall, cold milkshake—I've done it—and when you come back two hours later, it will still be there. It won't be cold, but it will be there. You learn a respect for honor, a respect that will carry over into other fields for the rest of your life."

"I'd say the minority who are top students don't cheat, because they're after knowledge. And the great majority in the middle don't cheat, because they're afraid to. But the poor students, who cheat to get by . . . The funny thing is, they're not afraid at all. I guess they figure they've nothing to lose."

"Nobody is just honest or dishonest. I'm sure everyone here has been guilty of some sort of dishonest act in his lifetime. But everyone here would also say he's primarily honest. I know if I were really in the clutch I'd cheat. I admit it—and I don't necessarily consider myself dishonest because I would."

"It seems to me you're saying that honor works only when it's easy."

"Absolute honor is 150,000 miles out, at least. And we're down here, walking this earth with all our faults. You can look up at those clouds of honor up there and say, 'They're pretty, but I can't reach them.' Or you can shoot for the clouds. I think that's the approach I want to take. I don't think I can attain absolute honor, but I can try—and I'd like to leave this world with that on my batting record."

“It’s not how we feel about issues—

“**W**E ARE being criticized by other people all the time, and they’re stamping down on us. ‘You’re not doing anything,’ they say. I’ve noticed an attitude among students: Okay, just keep criticizing. But we’re going to come back and react. In some ways we’re going to be a little rebellious. We’re going to *show* you what we can really do.”

Today’s college students are perhaps the most thoroughly analyzed generation in our history. And they are acutely aware of what is being written about them. The word that rasps their nerves most sorely is “apathy.” This is a generation, say many critics, that plays it cool. It may be casually interested in many things, but it is excited by none.

Is the criticism deserved? Some college students and their professors think it is. Others blame the times—times without deprivation, times whose burning issues are too colossal, too impersonal, too remote—and say that the apparent student lassitude is simply society’s lassitude in microcosm.

The quotation that heads this column is from one of the members of our student panel. At the right is what some of the others think.

“Our student legislature fought most of the year about taking stands. The majority rationalized, saying it wasn’t our place; what good would it do? They were afraid people would check the college in future years and if they took an unpopular stand they wouldn’t get security clearance or wouldn’t get a job. I thought this was awful. But I see indications of an awakening of interest. It isn’t how we feel about issues, but whether we feel at all.”

“I’m sure it’s practically the same everywhere. We have 5,500 full-time students, but only fifteen or twenty of us went on the sit-downs.”

“I think there is a great deal of student opinion about public issues. It isn’t always rational, and maybe we don’t talk about it, but I think most of us have definite feelings about most things.”

“I’ve felt the apathy at my school. The university is a sort of isolated little world. Students don’t feel the big issues really concern them. The civil rights issue is close to home, but you’d have to chase a student down to get him to give his honest opinion.”

“We’re quick to criticize, slow to act.”

“Do you think that just because students in America don’t cause revolutions and riots and take active stands, this means . . .?”

“I’m not calling for revolution. I’m calling for interest, and I don’t care what side the student takes, as long as he takes a side.”

“But even when we went down to Woolworth’s carrying a picket sign, what were some of the motives behind it? Was it just to get a day away from classes?”

but whether we feel at all."



"I attended a discussion where Negro students presented their views. I have never seen a group of more dynamic or dedicated or informed students."

"But they had a personal reason."

"That's just it. The only thing I can think of, where students took a stand on our campus, was when it was decided that it wasn't proper to have a brewery sponsor the basketball team on television. This caused a lot of student discussion, but it's the only instance I can remember."

"Why is there this unwillingness to take stands?"

"I think one big reason is that it's easier not to. It's much easier for a person just to go along."

"I've sensed the feeling that unless it really burns within you, unless there is something where you can see just what you have done, you might as well just let the world roll on as it is rolling along. After all, people are going to act in the same old way, no matter what we try to do. Society is going to eventually come out in the same way, no matter what I, as an individual, try to do."

"A lot of us hang back, saying, 'Well, why have an idea now? It'll probably be different when I'm 45.'"

"And you ask yourself, Can I take time away from my studies? You ask yourself, Which is more important? Which is more urgent to me?"

"Another reason is fear of repercussions—fear of offending people. I went on some sit-downs and I didn't sit uneasy just because the manager of the store gave me a dirty scowl—but because my friends, my grandparents, were looking at me with an uneasy scowl."



*“We need a purpose other than
security and an \$18,000 job.”*



HERB WEITMAN

"Perhaps 'waiting' is the attitude of our age—in every generation."

"Then there comes the obvious question, With all this waiting, what are we waiting for? Are we waiting for some disaster that will make us do something? Or are we waiting for some 'national purpose' to come along, so we can jump on its bandwagon? So we are at a train station; what's coming?"

I GUESS one of the things that bother us is that there is no great issue we feel we can personally come to grips with."

The panel was discussing student purposes. "We need a purpose," one member said. "I mean a purpose other than a search for security, or getting that \$18,000-a-year job and being content for the rest of your life."

"Isn't that the typical college student's idea of his purpose?"

"Yes, but that's not a purpose. The generation of

the Thirties—let's say they had a purpose. Perhaps we'll get one, someday."

"They had to have a purpose. They were starving, almost."

"They were dying of starvation and we are dying of overweight. And yet we still should have a purpose—a real purpose, with some point to it other than selfish mediocrity. We do have a burning issue—just plain survival. You'd think that would be enough to make us react. We're not helpless. Let's do something."

Have students changed?

—Some professors' opinions

"OH, YES, indeed," a professor said recently, "I'd say students have changed greatly in the last ten years and—academically, at least—for the better. In fact, there's been such a change lately that we may have to revise our sophomore language course. What was new to students at that level three years ago is now old hat to most of them."

"But I have to say something negative, too," the professor went on. "I find students more neurotic, more insecure, than ever before. Most of them seem to have no goal. They're intellectually stimulated, but they don't know where they're going. I blame the world situation—the insecurity of everything today."

"I can't agree with people who see big changes in students," said another professor, at another school. "It seems to me they run about the same, year after year. We have the bright, hard-working ones, as we have always had, and we have the ones who are just coasting along, who don't know why they're in school—just as we've always had."

"They're certainly an odd mixture at that age—a combination of conservative and romantic," a third professor said. "They want the world to run in their way, without having any idea how the world actually

runs. They don't understand the complexity of things; everything looks black or white to them. They say, 'This is what *ought* to be done. Let's *do* it!'"

"If their parents could listen in on their children's bull sessions, I think they'd make an interesting discovery," said another faculty member. "The kids are talking and worrying about the same things their fathers and mothers used to talk and worry about when *they* were in college. The times have certainly changed, but the basic agony—the bittersweet agony of discovering its own truths, which every generation has to go through—is the same as it's always been."

"Don't worry about it. Don't try to spare the kids these pains, or tell them they'll see things differently when they're older. Let them work it out. This is the way we become educated—and maybe even civilized."

"I'd add only one thing," said a professor emeritus who estimates he has known 12,000 students over the years. "It never occurred to me to worry about students as a group or a class or a generation. I *have* worried about them as individuals. They're all different. By the way: when you learn that, you've made a pretty profound discovery."

"The College Student"

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The material on this and the preceding 15 pages is the product of a cooperative endeavor in which scores of schools, colleges, and universities are taking part. It was prepared under the direction of the group listed below, who form EDITORIAL PROJECTS FOR EDUCATION.

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Today's word for Tech research is also DEPARTMENTAL

Chemistry's Spicer: "Without departmental research support, we would be in bad shape in our very important graduate programs."

WHAT MAKES a university outstanding? Obviously, there is no simple answer to this question, but university and college administrators would probably agree unanimously that the foundations of a first-rate academic institution must ultimately rest upon the strength of its academic departments. In turn, the strength of any academic department is dependent upon the way in which each faculty member meets his responsibility to the institution.

The prime responsibilities of a faculty member at an academic institution come under these three categories: instruction of students, contributions to the general knowledge of a chosen discipline, and contributions to the operation and future planning of the institution. These responsibilities are often interrelated, and a contribution to one is frequently a contribution to one or both of the others.

Teaching and basic research—the more generally applied names of the first two responsibilities—are the first obligations of a member of a departmental faculty. Though often thought of separately, they need not be. To teach is to pass on to new generations the best of the collective knowledge of the past. But the knowledge of the past is different each year, and the professor who teaches the same things next year as he teaches this will fall behind and be of less and less value with passing years. The professor is rightfully expected to be an authority in his field. In order to remain an authority he must engage in research on the frontiers of this field. Conversely, the responsible teacher who is continually seeking to make a contribution to the basic understanding of his field will be interested in passing on to his students his new-found understanding.

Georgia Tech's academic departments all have similar basic research programs aimed at properly satisfying these responsibilities. One of its most active yet most typical departments is the School of Chemistry. Here's how Dr. Monroe Spicer, director of this school, describes its efforts in these areas:

"Our permanent faculty now consists of twenty-one Ph.D.'s. Their degrees were obtained from many of the

great universities: Cal Tech, M.I.T., Illinois (2), Duke, Michigan, Washington, Virginia (2), California, Tennessee, Harvard, Northwestern, Stanford (2), Kansas, Chicago, North Carolina, Ohio State, McGill (Canada), and Graz (Austria). Besides representing a broad educational background, this faculty has a broad subject matter interest ranging from biochemistry to theoretical chemistry.

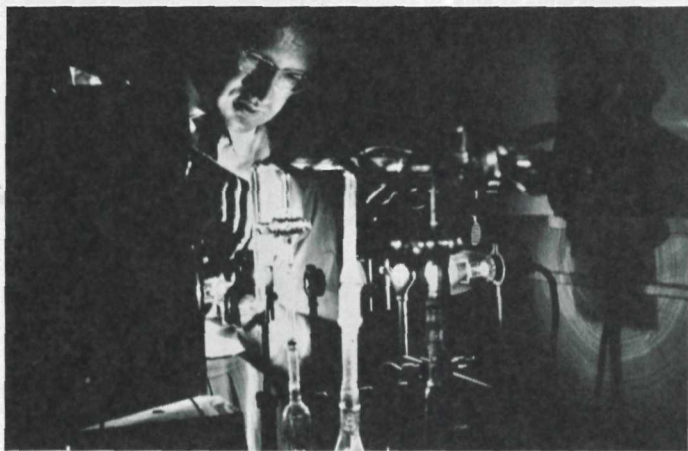
"At present the school is teaching 1931 undergraduates, 48 graduate students, and two post-doctorate students. Graduate students have come from such well known institutions as M.I.T., Minnesota, Illinois, N.Y.U., and, of course, Georgia Tech. But the real test of the reputation of a department in graduate work is whether it can attract post-doctorals, students who already have the highest earned degree. They continue merely because they are attracted to the work of a particularly outstanding professor.

"At present, our two post-doctoral students in chemistry are from the University of Pennsylvania and Washington State. In recent years, others have been from Harvard, Cal Tech, and the University of London.

"Faculty members in the department are expected to engage in research as part of their regular duties. Research is not separated from teaching. In the upper levels, the teaching consists of teaching the students how to do research. Since chemistry is a 'pure' science, the research done in the department is 'pure' or basic research. That is, it is directed towards the increase in the basic knowledge of chemistry. It is not programmatic, i.e., none of it is being done on problems suggested by outside agencies and directed towards a particular end result. (Tech, of course, is well equipped to handle programmatic, or sponsored research through its Engineering Experiment Station.)

"How is the basic research financed in the department if the research is of such a nature that it is unlikely that the results of the research will be of immediate practical use to either industry or government? Financial support

(Continued on page 30)



DEPARTMENTAL RESEARCH — continued

comes from three principle sources: the school through its regular budget, certain government agencies such as the National Science Foundation and the National Institutes of Health, and private foundations such as the American Chemical Society, the Sloan Foundation, and other foundations set up by industrial companies. Each of these sources recognize the importance of the contributions of basic research and all have made, particularly in the past few years, increasing amounts of funds available to the department and to individual faculty members.

"For example, our faculty members at the School of Chemistry have received the following grants during the last few months.

From the National Science Foundation:

- (1) \$29,900 to Dr. Jack Hine to investigate the "Polar Effects on Equilibria in Organic Chemistry."
- (2) \$29,700 to James R. Ray for a study of "Thermodynamic properties of Alkali and Alkaline Earth Nitrites and Nitrates."
- (3) \$30,000 to Dr. W. M. Spicer to help with the purchase of a Nuclear Magnetic Resonance Spectrometer.
- (4) \$95,400 to help with the construction of a third floor on the Chemistry Annex. This grant was made only because this space is to be used mainly for graduate research.

From the Petroleum Research Fund of the American Chemical Society:

\$21,555 to Dr. Robert A. Pierotti for an investigation of "The Interaction of Gases with Boron Nitride."

From the Atomic Energy Commission:

\$5,885 to Dr. Henry M. Neumann for a study of "Solvent Extraction of Halo-Complexes."

Other active research grants in the School of Chemistry:

From the Alfred P. Sloan Foundation, \$25,000 to Dr. William H. Eberhardt and \$22,000 to Dr. Jack Hine.

A \$45,000 grant from the National Institutes of Health, and a \$15,000 grant from the National Science Foundation to Dr. John Dyer.

A \$19,700 grant from the National Science Foundation to Dr. D. K. Carpenter.

A \$15,900 grant from the Petroleum Research Fund of the American Chemical Society to Dr. Erling Grovenstein.

A \$16,000 grant from the National Science Foundation to Dr. Herman A. Flaschka.

A \$10,800 grant from the National Science Foundation to Dr. Donald J. Royer.

"The aggregate total of the above grants, excluding the \$95,400 for building, amounts to the impressive sum of \$285,240. These funds came to the institution to support basic research in chemistry conducted within the department. (They are over and above the much larger sums that come to our Engineering Experiment Station to support sponsored programs.)

"It should be emphasized that this support is for the research being done by graduate students for their theses. It is research that we must be doing if we are to be a graduate department. If this outside support were to end, we would have one of two choices; we could try to support it with institutional funds or we could discontinue graduate work.

"Some might wonder if research of this kind is really of any importance. Is anyone on the outside interested in it? Normally, scientists submit the results of their research to the scientific journals of national and international circulation for publication. These journals, due to their limited financial support, must be very discriminating in deciding what they will publish. Each article is first submitted to several reviewers who are authorities in the given field and these reviewers decide whether the research is worth publication. If the reviews are favorable, if the editor is impressed, and if space is available, the article is published. During the last three years, the faculty members of Tech's School of Chemistry have published 21 such articles, usually with one or more graduate students as co-authors. Such publications as these establish the reputation of the institution among scientists in industry as well as in the academic world. Many of these papers have attracted a great deal of attention. For example, one faculty member (Dr. Hine) received over 200 requests for reprints of his papers last year alone. These came from most of the civilized countries of the world. Of course, this merely proves that our research is important enough to be published in scientific journals and to be of interest to other scientists. But is it really important? Why is basic research important? One very obvious reason is that it is the life blood of applied research. Basic research furnishes the new facts and laws on which applied research lives. It has often been pointed out, for example, that the cure for cancer will likely not be found by those who are seeking a cure for cancer. The cure will much more likely result from fundamental advances in physiology, chemistry, etc.

"Finally, we wish to reiterate that this particular research activity is not something separate from teaching. One of our reasons for engaging in research is to be able to give our students the very best instruction. We at Tech should not be satisfied with less than the best."

The May 1961 Georgia Tech

A digest of information about Georgia Tech and its alumni

Journal

The Institute

New deck to be added to East Stands

THROUGH AN OPTION PLAN, Georgia Tech is finally going ahead with the double-decking of the East Stands of Grant Field, it was announced in Atlanta in mid-May. The new double-deck which effectively adds over 4,000 good seats to the East Stands as well as replaces the old temporary stands with good seats, will be completed for the 1962 season.

Alumni in Georgia and immediate surrounding areas are being offered by mail the opportunity to purchase 10-year options at the following rates: \$250 per seat in the covered lower deck stands from the 25-yard lines to the 50; \$200 per seat in the upper deck from the 50-yard line to the 30-yard line south and in the covered sections from the 25-yard lines to the 12-yard lines both north and south. Options are also being offered Atlanta football fans. All option purchases are on a first-come, first-served basis.

The option purchaser must buy tickets in the new seats at the regular price in addition to purchasing the option.

Complete information on the plan is available to any Tech alumnus by writing Bob Eskew, business manager, Georgia Tech Athletic Association, 190 3rd Street, N.W., Atlanta.

New student leaders elected

SENIOR Joe McCutchen of Dalton, Georgia was elected president of the Georgia Tech student body in the annual elections held in March. Dick Frame was elected vice president in the first open election for that post. McCutchen is the son of alumnus Joe McCutchen, a former member of the board of trustees of the National Alumni Association.

New Chemical-Ceramic Building approved

CLAUDE PETTY, head of Tech's Physical Plant Department, recently disclosed that plans for the new Chemical-Ceramic Engineering Building have been approved by the Board of Regents. The new four-story building, designed by Atlanta architects Finch, Alexander, Barnes, Rothschild, and Paschal, will be located on Fourth Street between Atlantic Drive and Hemphill Street. It is expected to be completed for the fall quarter of 1963.

President finally gets an airplane

THE NEW Cessna 182 now being flown by President Harrison is a gift from an anonymous Tech alumnus. The airplane which arrived in Atlanta on March 3, was donated to help ease the president's extremely heavy travel schedule. Of course, President Harrison will do his own piloting.

Buckingham heads subcommittee staff

DR. WALTER BUCKINGHAM, Director of the School of Industrial Management and Professor of Economics at Tech, has been appointed staff director of the Holland Congressional Subcommittee on Unemployment and the Impact of Automation. Dr. Buckingham has previously served as consultant to the U. S. Senate-House Economics Committee. Congressman Elmer J. Holland, Chairman of the Subcommittee on Unemployment and Automation, stated, "The members of my Committee are more than pleased by Dr. Buckingham's acceptance of our offer to serve as our Staff Director."

"We feel very fortunate in having Dr. Buckingham join us, for he has made exhaustive studies on the subject of automation, and his book 'Automation—Its Impact on Business and People' is the latest publication on this problem now facing our people."

"Dr. Buckingham has had considerable experience in business as he is Secretary and Director of the National Executive Life Insurance Company; Director of Georgia Tech's Public Utility Executive Course,

1954-58; Consultant to Southern Bell Telephone and Telegraph Company, Duke Power Company and other firms.

"Dr. Buckingham has also served as an impartial arbitrator of labor-management disputes in steel, textile, automobile and paper industries and was former secretary of the Southern Economic Association."

The Holland Subcommittee started Public Hearings on the subject of Unemployment and the Impact of Automation in early March. One of its early witnesses was Tech English Professor Glenn Rainey.

Two professors contribute to Encyclopedia

TWO TECH professors are among the new contributors to the 1961 edition of the Encyclopedia Britannica. They are Edward Foster, associate professor of English, author of the article "Freeman, Mary Eleanor"; and Joseph P. Vidosic, professor of Mechanical Engineering, who wrote two articles, "Bearings and Lubrication."

NASA scientist speaks at Tech

MR. S. S. MANSON, Chief of the Materials and Structures Division of the Lewis Research Center of the National Aeronautics and Space Administration, was a visitor to the campus on March 7 and March 8.

He was the fourth top scientist or engineer brought to Tech through the Neely Visiting Professorship Fund, established by Mr. and Mrs. Frank H. Neely of Atlanta.

Mr. Manson is nationally known as an authority in the fields of materials and stresses, with emphasis on high temperature strain gages; dynamic measurements under engine operating conditions; thermal stress; creep and stress-rupture data correlation; and the development of general methods for analyzing stress in high temperature parts in the elastic, plastic, and creep range.

During his two-day stay at Tech, the Visiting Professor held various conferences with the instructional staff and graduate students in the Schools of Mechanical Engineering, Aeronautical Engineering, Civil Engineering, and Engineering Mechanics.

THE INSTITUTE—continued

Sigma Xi speaker on campus

DR. SANBORN C. BROWN, associate professor of physics at Massachusetts Institute of Technology, discussed plasma physics, the so-called "fourth state of matter" as a Sigma Xi national lecturer at Georgia Tech's Textile Auditorium Friday, March 17. Dr. Brown's lecture was sponsored by the Society of Sigma Xi Chapters at Georgia Tech and Emory University. Dr. Brown's lecture was one of 19 that he presented on this subject in the South during the month of March.

Commencement set for June 10

TECH'S 78th commencement will be held at the Fox Theater on Saturday morning, June 10. Robert T. Stevens, president of J. P. Stevens & Co., Inc. and former secretary of the Army under the Eisenhower regime, will be the commencement speaker. Baccalaureate Services will be held on June 9 at the Alexander Memorial Coliseum with the Reverend Robert E. Lee, pastor of The Lutheran Church of the Redeemer presenting the sermon.

Ceramic Engineering's Moody Honored

DR. WILLIS E. MOODY, associate professor of Ceramic Engineering, was recently installed as vice president of the American Ceramic Society's Ceramic Educational Council. Moody was honored during the Society's 63rd annual meeting held April 23-27 in Toronto, Ontario, Canada. Over 2,000 ceramic scientists, plant operators, and engineers attended the meeting of the international organization devoted to the advancement of research and production methods in the ceramic field.

Two Tech alumni named to award jury

TWO GEORGIA TECH alumni were among the five prominent U. S. and South American architects named to select the recipient of the 1961 R. S. Reynolds Award for distinguished achievement in architecture. The

two Tech graduates are Samuel T. Hurst, dean of Auburn University's School of Architecture and Fine Arts, and Hugh A. Stubbins, Jr. of Cambridge, Massachusetts, a Fellow of the American Institute of Architects. The award jury was announced by the AIA, which administers the \$25,000 annual award.

Tech men named to Tech-Georgia Drive

TWENTY-EIGHT Tech alumni have been named to head up the Joint Tech-Georgia campaign in major cities in the State outside the Atlanta area. Here is the listing for the 1961 campaign:

Charles Oxford, Albany; James A. Gantt, Americus; Newman Corker, Athens; J. Wm. Weltch, Augusta; Robert H. Higdon, Bainbridge; James T. Robeson, Brunswick; John Fountain, Carrollton; Fred F. Lester, Cartersville; Phil H. Brewster, Cedartown.

Also James A. Byars and George Morris, Columbus; Thomas Jones, Dalton; Alfred Eubanks, Dublin; Richard M. Dillard, Gainesville; John Hammond, Griffin; Arthur B. Edge, LaGrange; Leland Jackson, Macon; Richard Watkins, Marietta; Don Johnson, Milledgeville; W. C. Vereen, Jr., Moultrie; Karl Nixon, Newnan; Harold Clotfelter, Rome; Lee Mingledorff, Jr., Savannah; Charlie J. Mathews, Statesboro; Robert R. Jinright, Thomasville; Conner Thomson, Valdosta; Herbert Bradshaw, Jr., Waycross; and Joe Jennings, West Point.

The Clubs

ATLANTA, GEORGIA—The annual spring "Hall of Fame" meeting of the Greater Atlanta Georgia Tech Club was held on April 27, the night before the "T-Night" game. Coach Bobby Dodd was the featured speaker at the meeting and told the large crowd in attendance about Tech's spring practice and his thoughts on the coming season. Dean George Griffin inducted the

following former Tech athletes into the "Hall of Fame" in his inimitable fashion: Homer Whelchel (track) J. Frank Willett (tennis), Watts Gunn (golf), General K. J. "Wooch" Fielder (baseball and football), Lewis "Automobile" Clark (football), Leon Hardeman (football), and the late Mack Tharpe (football). Bob Tharpe accepted his late brother's certificate of membership from Dean Griffin. General Fielder, who flew in from Hawaii for the ceremonies, received a special hand from the crowd.

During the business meeting, reports were heard from committees including the "T-Night" ticket sales committee and the nominating committee. The following officers were elected to serve for the coming year: W. A. "Bill" Horne, president; Massey Clarkson, 1st vice president; Ewell Pope, 2nd vice president, and Allen Hardin, treasurer.

CHARLOTTE, NORTH CAROLINA—A record 178 alumni and wives turned out for the March 16 meeting of the Charlotte Club to hear Coach Bobby Dodd talk about football and basketball. Vice president Harold Couch presided in the absence of President John Hill who was out of the city on a special business trip. Couch introduced the new board of directors for the club which included Elmore Camp, John Hill, and Couch for 1961; Howard Duvall, James Teat, and Austin Thies for 1962; and Jim Buchanon, J. Ed Council, and W. G. Thomas for 1963.

Special guests were Gene McEver and Lowell Mason, friends of Coach Dodd; Roane Beard, and Jesse Berry of the Tech coaching staff. Bill Therrell introduced Coach Dodd.

Next meeting of the club will be the annual outing on May 13 at Lake James. The invitation was issued by Charles Witmar on behalf of the Mill Power Supply Company.

CHATTANOOGA, TENNESSEE—Over 150 Georgia Tech alumni and wives attended the

Faces in the News



Each year, Tech holds a special day for high school counselors on the campus. Here are some scenes of this year's event where the counselors can talk with their former students and Tech officials about college.

Chattanooga Club dinner dance on Saturday night, March 11. Bob Huffaker, '57, served as master of ceremonies for Lou Blanks, '38, who was in the hospital. Special guests of the club were Professor and Mrs. Robert E. Stiemke and Mr. and Mrs. Roane Beard from Atlanta; Coach and Mrs. Humpy Heywood of Baylor School, and Mr. and Mrs. Bob Sherman (Personnel Director for DuPont of Chattanooga).

Marvin A. Turner, '59, gave a report on the scholarship program. J. Frank Willett, '45, Vice President of the Georgia Tech National Alumni Association, introduced the two men from Atlanta.

COLUMBUS, OHIO—The Columbus, Ohio Georgia Tech Club had its first official visitor from the Georgia Tech campus on Friday night, February 24 when 23 alumni and wives heard from Executive Secretary Roane Beard. A question and answer period followed a talk on the Association and the Institution; campus slides and the 1960 football highlights were shown.

President William M. McGrew, '52, presided at the meeting. The next meeting is tentatively set for May 19.

GREENSBORO, NORTH CAROLINA—The Greensboro Georgia Tech Club held its annual ladies night dinner meeting on March 30. Cecil Adamson, '24, president of the club, presided. Beautiful camellias were provided for all the ladies by Mr. M. S. Hill, '11. Officers elected for the coming year were: A. J. "Gus" Merkle, III, president; Hal Strickland, vice president; and James H. Perry, secretary-treasurer.

Guest speaker was Roane Beard who talked on high spots of institutional and alumni activities and showed "The 1960 Football Highlights."

JACKSONVILLE, FLORIDA—The greater Jacksonville Georgia Tech Club had its Annual Meeting February 6. The meeting featured a talk by Bobby Dodd who reviewed the 1960 season and outlined prospects for the 1961 season. Coach Dodd was enthusiastically



Jacksonville Club President Verlander and a friend from the Georgia Tech campus.

cally received by the approximately 100 persons in attendance. The following officers were elected: W. Ashley Verlander, president; Warren Parker, vice president; Herb Coons, secretary; and Don Zell, treasurer.

NASHVILLE, TENNESSEE—Over 50 alumni and wives attended the Nashville Georgia Tech Club's social meeting following the Tech-Vanderbilt basketball game on March 4. Coach Whack Hyder and Bob Eskew were guests of the club.

The only business item was the election of the officers and board for the new year. They include George T. Hicks, president; S. E. Dyer, Jr., vice president; Wallace B. Rogers, secretary; and Warren C. Wynn, treasurer.

Board of Directors: (serving until 1962) John Charles Wheeler, and George A. Volkert; (serving until 1963) Herbert L. Waters, and Marion W. Swint.

NEW YORK, NEW YORK—The spring meeting of the New York Club was held April 13 with Coach Allie Sherman of the New York Football Giants as featured speaker. Secretary Bill Stein, new president of the New York Touchdown Club, introduced the speaker. Tech's Dorothy Crosland, director of libraries, was on hand to brief the club members of its special project, "Operations Library."

ST. LOUIS, MISSOURI—The football film, "Highlights of 1960," was shown to the members and guests attending the March 14 meeting of the St. Louis Club. The club members also enjoyed a tour of the White-Rogers Plant and elected a new slate of officers including Harry J. Abeln, president; John B. Powers, vice president; Melville M. Zemek, secretary; and Carol Freedenthal, treasurer.

TAMPA, FLORIDA—George Barron presided over a unique meeting of the Florida West Coast Georgia Tech Club on February 23. Feature of the program was a tribute to Florida's football coach, Ray Graves. Graves was presented a silver cigar box inscribed from the Tech Club and then ribbed unmercifully by the record crowd. Also on hand was ex-Tech back, Pepper Rodgers, now backfield coach for Graves. Needless to say, Graves and Rodgers held their own during the ribbing session.

WINSTON-SALEM, NORTH CAROLINA—The Winston-Salem Alumni Club held its annual business meeting on March 3, and the following officers were elected for this year: Robert G. Schultz, president; Maxwell F. Stowers, Jr., vice president; Robert S. Chafee, secretary; and Donald L. Champion, treasurer.

Jim Hartnett, the Club's past president, challenged the Auburn Alumni to a game in any sport of their choosing. The annual picnic this summer will include this game.

RICHMOND, VIRGINIA—The Richmond Georgia Tech Club held its winter meeting on Monday night, February 20.

News of the Alumni by Classes

'95 *Gaston C. Raoul*, of Lookout Mountain, Tennessee, died September 4, 1960. His widow died unexpectedly the following week.

'96 *J. Felton Gibbons* died November 26, 1960. He built and operated the Norton Company's Bauxite Plant at Bauxite, Arkansas until his retirement in 1946. He had been with the company since 1913. Mr. Gibbons is survived by his widow, who lives at Bauxite, Arkansas.

'99 *Word Leigh*, ME, died January 20, 1961. No further information was available at this writing.

'01 *Wayne James Holman, Sr.*, EE, died February 16, 1961 after a brief illness. He was owner of the Troy Laundry in Paris, Tennessee. Earlier in his career he was connected with utilities companies in Tennessee. Mr. Holman is survived by two sons, Wayne J. Holman, Jr., '28, and William G. Holman, '34.

'07 *Edwin H. Underwood*, CE, of Miami, Florida, died March 4. He is survived by his widow; son, Edwin H. Underwood, Jr., '41 and brother, Joel C. Underwood, '14, of Atlanta.

'11 *W. Pope Barney*, Arch, recently retired from active architectural practice in Philadelphia and is now living on his mountain farm in East Sandwich, New Hampshire. He has just been honored by being made a Life Fellow of the International Institute of Arts & Letters for his contribution to creative art.

James Echard, Arch, has returned to the United States from England where he lived for several years after retiring. His home address is 333 Cumberland Avenue, Asheville, North Carolina.

William L. Heinz died September 27, 1960. His widow lives at 842 Kilbourne Road, Columbia, South Carolina.

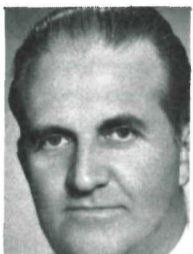
'14 *Paul O. Turner*, president and owner of Turner Realty Company in Atlanta, died March 12 of cancer. He is survived by his widow.

Don M. Forester, CE, retired from the United States Bureau of Reclamation on December 31, 1960, after 29 years of professional engineering service in heavy construction (Hoover Dam, Imperial Dam and Desilting Works, Shadepill Dam) and in planning and developing land and water resources of the arid west. He is a life member (Fellow) of the American Society of Civil Engineers and for the past many years has been listed in the several editions of Who's Who In Engineering and Who's Who

Faces in the News



R. W. Beall, '18, retired as supervising engineer in the Atlanta office of Southern Bell after 38 years of service with the company. He joined Western Electric in 1922 as an engineer, and in 1924 went to Southern Bell in a similar capacity. He was promoted to his final position in 1948.



J. Cleve Allen, '31, has been nominated for the 39th "All Star" Honor Roll April issue of *The Insurance Salesman*, leading journal in the life insurance field. Allen is Miami general agent for the Atlanta-based Piedmont Southern Life Insurance Co. He entered the insurance business nine years ago.



Capt. Ivan Monk, '34, USN (R), has joined De Laval Steam Turbine Co., Trenton, N. J. as manager of the service and repair department. At the time of his recent retirement from the Navy, Capt. Monk was director of the machinery div. Bureau of Ships.



George E. Bevis, '37, represented The Georgia Institute of Technology at the February 23 installation of the University of Minnesota's new chancellor, Meredith Wilson. Bevis, a mechanical engineering graduate of Tech, is executive vice president of the G. H. Tennant Company of Minneapolis, Minnesota.



Robert Westbrook, '41, has been appointed head of the support division, Livermore Mechanical Engineering Department of the University of California's Lawrence Radiation Laboratory in Livermore, California. Westbrook joined the Radiation Laboratory in 1953.



C. Malcom Gailey, '43, A.I.A., was the structural engineer on the Red Bud Coliseum in Gordon County, Georgia, which was selected by the American Institute of Steel Construction as one of the 12 buildings in the country to receive its architectural award of excellence for 1960.

NEWS BY CLASSES — continued

In the West. Last year he presented, as a gift, his personal technical library to Tech's Price Gilbert Library. He now resides in the Denver, Colorado, metropolitan area and is practicing as an engineering consultant on the planning and developing land and water resources.

'16 Milton A. Sullivan, ME, of Enka, North Carolina, died December 12, 1960 in a Columbus, Ohio hospital after an illness of several weeks. He was a research engineer with American Enka prior to his retirement two years ago. Mr. Sullivan is survived by his widow who lives at One Hillcrest, Enka, North Carolina.

'17 Jameson Calvin Jones, ME, president of the Corinth Machinery Company, Corinth, Mississippi, died of a heart attack March 16, 1961. He joined the company in 1919 as a shipping clerk and had served as credit and collection manager, secretary-treasurer, vice president and had been president since 1950. Mr. Jones had been very active in Boy Scout, Rotary and YMCA work.

'19 Henry Rankin Dunwoody died February 13, 1961 at the Veterans Hospital in Columbia, South Carolina. He joined DuPont in 1925 and was transferred to the Savannah River Plant in 1952. At the time of his retirement in 1959 he was foreman of the service department. His widow's address is South Pittsburgh Municipal Hospital, South Pittsburgh, Tennessee.

'20 Edwin R. Merry, Arch, died January 11, 1961. His widow lives at 173 Cleveland Park Drive, Spartanburg, S. C.

'24 Robert B. MacIntyre died February 28 in a Macon, Georgia hospital. His home was 175 Peachtree Circle, Atlanta. He was in the Canadian Army during World War I. Mr. MacIntyre is survived by a brother, David W. MacIntyre, of Atlanta.

'25 Charles W. Anderson, of College Park, Georgia, died January 20, 1961.

J. W. DuBose has been named a vice president of the First National Bank of Atlanta. Prior to this appointment he was manager of the bank's Brookwood Office in Atlanta.

'26 Hugh C. Harris, EE, died July 11, 1960.

Moultrie H. Lanier died December 27, 1960. His widow's address is P. O. Box 1279, Richmond, Virginia.

'28 Harry E. Blakely, CE, died April 1 in an Atlanta hospital. He was office engineer with the U. S. Bureau of Public Roads. His widow lives at 5144 Timber Trail, N.E., Atlanta, Georgia.

Julian Hoke Harris, Arch, was awarded the Ivan Allen trophy at the annual awards

dinner of the Georgia Chapter, American Institute of Architects in March. This trophy is presented each year to the architect who made the greatest contribution to his community. Mr. Harris is associate professor of architecture at Georgia Tech.

'29 James C. Cook, CE, has been appointed general agent with the Southern Railway System with headquarters in Birmingham, Alabama. He had been in charge of industrial development activities in Alabama and Mississippi.

Bob Shelley has been elected president of the Atlanta Retail Merchants Association.

'30 T. D. Dunn, Jr., president of the Glenwood National Bank, died March 31 in an Atlanta hospital. He had been ill for several weeks. Mr. Dunn was active in real estate development in DeKalb County. Some of the projects he helped develop include the Glenwood-Candler Shopping District, Glenco Shopping District and Dunaire residential and commercial real estate. His widow lives at 830 W. Ponce de Leon Avenue, Decatur, Georgia.

H. Griffith Edwards, Arch., has just had a revised edition of his book, *Specifications*, published by D. Van Nostrand Company of New York. The book, originally published in 1953, has been an accepted text for teaching specification writing at many schools of architecture and technical institutes throughout the states. In the new edition of the book the text and tables have been revised, up-dated, and supplemented; and two completely new chapters have been added, one covering "Asphalt Paving" and another entitled "Lawns and Planting." The author is a part time Associate Professor at the School of Architecture of Georgia Tech and a member of the Atlanta firm of Edwards and Portman, Architects.

William L. Quinlen, Jr., Com., has been elected president of Shelby United Neighbors, a local civic organization which serves the Memphis area in many capacities. Mr. Quinlen is president of Choctow, Inc. He lives at 4151 Tuckahoe Road, Memphis, Tennessee.

'32 Daniel M. Lewis, Jr., ME, died unexpectedly March 2 of a heart attack. His widow lives at 832 Washington Street, Tallahassee, Florida.

'33 William L. Avrett, ChE, has joined Socony Mobil Oil Company, New Canaan, Connecticut, as Industrial Hygiene Toxicologist.

C. Eagle Southern, Com, died of a heart attack in December, 1960 in Nashville, Tennessee.

Dr. Fred Stilson Perkerson, ChE, died March 10 of a heart attack. He was head of the research department at Cone Mills, Greensboro, North Carolina. Earlier in his career, he had been head of the research department at Callaway Mills. After World War II, he worked for a number of years in Germany in scientific research in conjunction with the rehabilitation of factories and plants while employed by the U. S. Govern-

ment Department of State. He is survived by his widow and two daughters.

'34 *Braxton Blalock, Jr.*, GS, vice president of Blalock Machinery and Equipment Company, Inc. in Atlanta, has been named senior vice president of Associated Equipment Distributors, a national trade association of the construction equipment industry.

Ian M. Davidson, CE, has been promoted to brigadier general in the Army Reserve. He is assistant division commander of the Reserve's 81st Division in Atlanta. Mr. Davidson is division engineering manager with American Mutual Liability Insurance Company in Atlanta.

L. W. Robert, III has been appointed administrative assistant to the manager of the national sales department of the Coca-Cola Company. He was formerly national sales coordinator for Food Chains. He will remain in the Atlanta office.

W. M. Teem, Com., retired president of American Finishing Company and Zell Manufacturing Company in Atlanta, has announced his partnership in the Tower Travel Service in Atlanta.

'35 *Henry D. Geigerman, Jr.*, ChE, of Atlanta, has been appointed to a three year term on an advisory education committee of the Life Underwriting Council. He is associated with the Harold T. Dillon Company, general agency of National Life Insurance Company of Vermont.

'36 *Richard Aeck*, Arch, has been elected a fellow of the American Institute of Architects for his contributions and achievements in architectural design. His works have been included in exhibitions at the Museum of Modern Art, the Smithsonian Institute and National Gallery of Art in Washington, D. C. Mr. Aeck's structures include the Georgia Tech Alexander Memorial Coliseum.

Chauncey W. Huth, ME, is chief of operations analysis office of Marshall Space Flight Center, Huntsville, Alabama.

'37 *Colonel Richard A. Beard, Jr.*, GS, has joined the Atlanta Real Estate Board's "Million Dollar Round Table" for 1960. Colonel Beard, USMC (ret.) is with Ward Wright Realty Company in Atlanta.

'39 *Dillard Munford*, ME, has been elected national vice president of Young Presidents' Organization. Mr. Munford is president of The Munford Company Inc. and Munford Do-It-Yourself Stores, Inc. with headquarters in Atlanta.

'40 *Charles W. Carnes*, USA, has been promoted to lieutenant colonel. He is stationed with the ROTC unit at Georgia Tech.

Colonel Gordon B. Cauble, USA, ME, has been assigned as commander of Headquarters, U. S. Army Signal Brigade in Heidelberg, Germany.

More News on page 36



*reetings to students and
alumni everywhere. We share
your interest in the advancement
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W. J. McAlpin, President, '27

W. J. McAlpin, Jr., Vice-President, '57

F. P. DeKoning, Secretary, '48



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Faces in the News



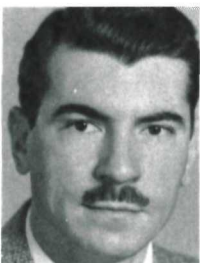
Dan C. Kyker, '46, has been appointed manager of materials for the General Electric Company's outdoor lighting department in Hendersonville, N. C. In the newly created post, Kyker will be responsible for the department's purchasing, shipping, and receiving operations.



James C. Sheehan, '45, has been named a product line manager at Mine Safety Appliances Company in Pittsburgh. He will coordinate development and sales of the firm's line of gas masks for a wide variety of applications. Sheehan has been associated with MSA as a sales engineer.



G. R. L. Shephard, '47, MS, has been named assistant division head of Humble Oil & Refining Company's manufacturing research and development div. at Baytown, Texas. He is responsible for research on fuels. Shephard joined Humble in 1947.



Arnall T. Connell, '53, assistant professor of the Ohio State University School of Architecture and Landscape Architecture, has received the \$3,000 Arnold W. Brunner Scholarship Award from the New York chapter of the American Institute of Architects. He will use the grant for research.



Robert S. Schenck, '53, has been appointed sales manager of Electronic Devices, Inc. of New Rochelle, N. Y. Before joining EDI, Schenck was associated with National Semiconductor Corp. as district sales manager and with Thermosen, Inc. as sales manager.



G. B. Rosenberger, '54, has been appointed as an advisory engineer with the IBM federal systems division command center engineering laboratory, Kingston, N. Y. He joined IBM in 1954 as a technical engineer in early SAGE computer development and has been a staff engineer since 1958.

NEWS BY CLASSES — continued

'42 **Donald S. Ross, Ch.E.**, died January 6, 1961. He was with the research and development department of Continental Can Company in Chicago. Mr. Ross is survived by his widow and two children, who live at 9611 Castello, Melrose Park, Illinois.

'43 **Harold W. Harrison, EE**, has been elected president of Menlo Park Engineering by the company's board of directors. He lives at 11790 Larnel Place, Los Altos, California.

William W. Stein, Ph.E., has been elected president of the Touchdown Club of New York. He is past president of the Westchester Sports Forum and an Eastern Intercollegiate and Westchester County football official. Bill is a pension consultant with Mutual of New York. He lives at the Yorktown House, Scarsdale, New York.

'45 **Tom C. Campbell** has been named vice president of Davidson-Kennedy Company in Atlanta. He also will serve as president of Manufacturers Products Company, a wholly-owned subsidiary of Davidson-Kennedy.

'48 **Gordon H. Lewis, ME**, has been named Manufacturing Division Product Manager with DuPont in Wilmington, Delaware. He lives at 616 Foulkstone Road in Wilmington.

H. Ed Lindsey, Jr., IM, owner and president of the MWL Tool & Supply Company in Midland, Michigan, has announced the company's purchase of 50% of the Diamond Oil Well Drilling Company. Mr. Lindsey will serve as president and manager of both companies with headquarters in Midland.

Engaged: **George W. Mathews, Jr., IM**, to Miss Jane Kerr. The wedding will take place May 13. George is with the Columbus Iron Works in Columbus, Georgia.

Born to: **Mr. and Mrs. F. L. Penn, IM**, a daughter, Sharon Ree, February 25. Hugh is with Revere Copper and Brass, Inc. They live at 1121 McConnel Drive, Decatur.

'49 **James C. Huckaby, EE**, has been appointed manager of customer engineering for Eastern Louisiana, Mississippi, Alabama and Western Florida with IBM. He will work out of New Orleans.

Jim Nolan, IE, has been named head football coach at Lanier High School in Macon, Georgia. While in Tech, Jim earned 11 Varsity letters and served as captain of both the basketball and track teams.

Born to: **Mr. and Mrs. Gerald A. O'Shea, IE**, a daughter, Kathleen Marie, December 5. Mr. O'Shea is a supervisor in the Light Vehicle Production Product & Service Engineering Section at Ford Motor Company. They live at 6153 Amboy Road, Dearborn, Michigan.

'51 **Gerald Geller, IE**, has been named chief of the Management Systems Branch in the Control Office of the Army Ballistic Missile Agency at Redstone Arsenal in Huntsville, Alabama.

'52 Married: **Oliver W. Reeves, EE**, to Miss Helen V. Krofft, February 17. Mr. Reeves is attending Graduate School at the University of Colorado. They live at 1090 - 11th Street, Apartment 12, Boulder.

'53 **Adrian D. Bolch, Jr., ME**, has been promoted to mechanical engineer in the Manufacturing Technical Division at Humble Oil in Baytown, Texas. He lives at 2227 Sheridan Street, Houston, Texas.

Engaged: **Martin Clark, EE**, to Miss Julia Mitchell. The wedding will take place in late spring. They will live in Burlington, North Carolina where Mr. Clark is with the Bell Telephone Labs.

Engaged: **Thomas Ralph Grimes, ME**, to Miss Carol Macon. The wedding is scheduled for April 22. Mr. Grimes is with the Coca-Cola Company in Atlanta.

Born to: **Mr. and Mrs. Thomas J. Hallyburton, IM**, a daughter, Stacey Elizabeth, December 22. Mr. Hallyburton is with the American Bridge Division of U. S. Steel Corporation. His mailing address is P. O. Box 1107, Harrisburg, Pa.

Harold C. McKenzie, Jr., IE, has become a member of the firm of Troutman, Sams, Schroder & Lockerman, with offices in the William Oliver Building in Atlanta.

Howard R. Siggelko, ME, is the new superintendent of the Union Bag-Camp Paper Company's box plant in Spartanburg, South Carolina.

'54 **J. M. Fisher, Jr., CE**, has joined the Duke Power Company in Charlotte, North Carolina as an industrial development engineer.

Born to: **Mr. and Mrs. John Hunsinger, IE**, a daughter, March 28. Johnny is with Chemstrand in Pensacola. They live at 730 Copley Drive.

Married: **Glenn F. Kirk, Jr., ME**, to Miss Alberta Moss, December 31. Mr. Kirk is a plant engineer with Western Electric. They live at 132-35 Sanford Avenue, Apartment 3-J, Flushing 55, New York.

John G. Moss, Ch.E., has joined Texaco as a chemical engineer. He lives at 3220 Fifth Street, Port Arthur, Texas.

Married: **George M. Poole, Jr., IM**, to Miss Gretna Peacock, March 18. George is owner of the George Poole Insurance Agency in Atlanta.

'55 Married: **A. F. (Bob) Blair, Jr., Arch**, to Miss Susan Annette Blanchard, July 16, 1960. They live at 2011 Esplanade Avenue, New Orleans 16, Louisiana.

Engaged: **James Chamblee Meredith, Ch.E.**, to Miss Sylvia Lacey. The wedding will take place June 17. Mr. Meredith is with the U. S. Public Health Service in Dallas, Texas.

George P. Reynolds, Ch.E., has been promoted to chemical engineer in the distillation and finishing section of Process Technical Division at Humble Oil's Baytown, Texas refinery.

'56 **E. H. Howell, Jr.**, has been appointed superintendent of the Texas Warehouse of U. S. Steel's Tennessee Coal and

Iron Division.

Born to: *Mr. and Mrs. H. Gary Satterwhite*, IE, a daughter, Kelly Ann, March 21. They live at 564 Frary Street, Alcoa, Tennessee.

Married: *Harry L. Tucker*, ME, to Miss Eugenia Richardson, February 10. Mr. Tucker is attending the Emory University School of Medicine in Atlanta.

'57 Born to: *Mr. and Mrs. Robert A. Browne*, IM, a son, James Wade, July 20, 1960. Mr. Browne is a technical representative, Photo Products Department, with DuPont. They live at 3258 El Morro Drive, Jacksonville 11, Florida.

Born to: *Mr. and Mrs. Theodore L. Edwards*, IM, a daughter, Mary Elizabeth, March 17. Mr. Edwards is manager of the Weodee Manufacturing Company. They live at 516 Waller Street, Roanoke, Alabama.

Philip W. Frick, Math, is a senior programmer in the Customer Services Department, Computer Department, Philco Corporation. His home address is 3128 Hedge-row Drive, Dallas 35, Texas.

Engaged: *Steven Harrison Fuller, Jr.*, CerE, to Miss Virginia Stone. Mr. Fuller is a sales representative in the Detroit, Michigan area for the Glasrock Products Corporation.

Engaged: *Lt. Joseph Leslie Jennings, Jr.*, USMCR, TE, to Miss Anne Martin. The wedding will take place June 10.

Married: *William Clinton Mann*, Arch, to Miss Carolyn Becknell, April 2.

Born to: *Mr. and Mrs. Edward L. McGaughy*, Ch.E, a son, David Daniel, January 6. Mr. McGaughy is technical assistant to the mill superintendent at International Paper Company's Moss Point (Mississippi) Mill. His home address is Route 2, Grand Bay, Alabama.

Born to: *Mr. and Mrs. Robert R. Propp*, EE, a son, Robert, Jr., February 19. Mr. Propp recently completed a tour of duty with the Army and is now with Bell Telephone Labs in Burlington, North Carolina.

Engaged: *W. Howard Rogers*, Ch.E, to

Miss Claire Seaman. The wedding will take place June 24. Mr. Rogers is with the Georgia Power Company in Brunswick, Georgia. His address is 1103 Ocean Boulevard, St. Simons, Georgia.

Engaged: *Lt. Joseph Ware Rumble*, USN, IM, to Miss Julia Skelton. The wedding will take place this summer. Lt. Rumble is stationed at San Diego, California.

Robert John Shornhorst, Jr., IE, died unexpectedly February 21 in a Jacksonville, Florida hospital. He was vice president of Automated Metals Company in Ocala, Florida. He is survived by his widow and one son.

Married: *Henry Boardman Stewart, III*, IE, to Miss Lillian Campbell. The wedding took place in March. Mr. Stewart is attending Graduate School at Vanderbilt University.

'58 *Lt. Roy E. Brown*, USA, IE, recently completed the officer orientation course at the Armor School, Fort Knox, Kentucky.

Lt. Samuel H. S. Fleming, USN, is assigned to the USS Southerland (DDR-743) with home port in San Diego, California. He completed his tour of duty in June and will return to DuPont in New Jersey. His current address is 3933 Promontory Street, San Diego 9, California.

Engaged: *Lt. Edward Patrick Kadingo*, USNR, IE, to Miss Carolyn Bloodworth. The wedding will take place June 24. Lt. Kadingo is serving aboard the USS Woodson in New Orleans, Louisiana.

Engaged: *E. Cody Laird, Jr.*, ME, to Miss Joanne Herbert. The wedding will take place May 13. Mr. Laird is with Draper Owens Company in Atlanta.

Married: *Wilbur Franklin Lowe, Jr.*, Ch.E, to Miss Judith Andrea Yancey, April 22. Mr. Lowe is with Procter and Gamble Company in Cincinnati, Ohio.

Engaged: *Baxter Smith Raine, III*, IM, to Miss Suzanne Gammel. The wedding will take place in August. Mr. Raine is with Adams-Cates Company in Atlanta.

Engaged: *M. C. Schaff, CE*, to Miss Darlene Struve. The wedding will take place in June. Mr. Schaff is with Magnolia Mobile Homes Manufacturing Company in Scotts-bluff, Nebraska.

Married: *Marvin Edward Wallace*, Physics, to Miss Joan Coggen, April 15. Mr. Wallace is with the Sperry Microwave Electronics Company in Clearwater, Florida.

Engaged: *Hugh Pattison Whitehead, Jr.*, IM, to Miss Tucinda Goodrum. Mr. Whitehead is with Westinghouse in Athens, Georgia.

'59 *Robert L. Barnes*, IM, is now associated with Pacific Mutual Life Insurance Company, Emory Jenks Agency, Atlanta, Georgia.

Born to: *Mr. and Mrs. Max M. Brown-ing*, IM, a daughter, Angela, February 7. They live on Country Club Road, Dublin, Georgia.

Engaged: *David Guy Herr*, EE, to Miss Kathleen Luke. The wedding will take place in June. Mr. Herr is attending graduate school at Georgia Tech.

Engaged: *Hilton Keady Johnson*, IM, to Miss Nancy Garner. The wedding will take place in May. Mr. Johnson is with the Jervis B. Webb Company of Georgia.

Married: *Henry W. Riviere* to Miss Rebecca Maude Farran, March 11. They live at 6242 North Broad Street, Philadelphia 41, Pennsylvania.

Walter H. Sager, IM, has been appointed overseer, synthetic roving and spinning departments at McCormick Mill, McCormick, South Carolina.

Owen Schweers, ME, has been promoted to Shift Foreman with Union Bag Camp's box plant in Spartanburg, S. C.

Lt. Gerald E. Speck, USA, Ch.E, is stationed with the U. S. Army's Berlin Command. He is a helicopter pilot with the command's aviation section. Prior to this assignment he was with the 4th Armored Division at Goeppengen, Germany.

Bruce E. Warnock, IM, has been pro-

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NEWS BY CLASSES — continued

moted to senior credit analyst for the National Bank of Cleveland. He has been with the bank since 1959. Mr. Warnock lives at 15031 Madison Avenue, Lakewood 7, Ohio.

'60 Engaged: *Ensign Walter D. Cain, Jr.*, USNR, IM, to Miss Beth Gunnin. The wedding will take place in July. Ensign Cain is presently undergoing advanced flight training in Pensacola. His mailing address is BOQ 1451, Room 235, NAAS, Whiting Field, Milton, Florida.

Married: *Henry Clay Halliday, Jr.*, IM, to Miss Judith Farkas, April 22. Mr. Halliday is with the Aetna Casualty and Surety Company in Atlanta.

Max W. Harral, CP, is Planning Director for Ware County and the City of Waycross. His address is 201 State Street, Room 221, Waycross, Georgia.

Engaged: *Robert Brooks Harris, IM*, to Miss Linda Nichols. The wedding will take place June 16. Mr. Harris is with Gulf Oil Corporation in Atlanta.

Born to: *Mr. and Mrs. Charles E. Hill, III*, IM, a son, Andrew Charles, January 18. Mr. Hill is with DuPont's May Plant. They live at 705 Kirkwood Circle, Camden, South Carolina.

Married: *Lt. Harvard V. Hopkins, Jr.*, USMC, CE, to Miss Harriett Jo Hurt, September 2, 1960. Lt. Hopkins graduated from Marine Base School in March and is now attending Combat Engineer Course at Camp Lejeune, North Carolina.

Married: *Lt. Robert R. Jackson, USA, ME*, to Miss Patricia Lorraine Bragg, March 11. They live in Huntsville, Alabama where Lt. Jackson is stationed at Redstone Arsenal.

Born to: *Mr. and Mrs. Robert E. Johnson, IM*, a son, Robert E. Johnson, Jr., February 20. Mr. Johnson is with Reynolds Metals in the Production Control Department of the Alloys Plant at Listerhill, Alabama.

Married: *Ralph Ewing Lawrence, IE* to Miss Virginia Carroll Tyson, November 19, 1960.

Engaged: *Charles Turner Lewis, Jr.*, Ch.E, to Miss Marian Foster. The wedding will take place June 10. Mr. Lewis is attending Graduate School at Georgia Tech.

Married: *Lt. Thomas Wayne Mewbourne, USAF, IM*, to Miss Faye Smith, April 1. They live at March Air Force Base, California.

Lawrence Wood Robert, IV, IE, has been promoted to Lt., J.G., and is stationed with the U. S. Navy aboard the S.S. Decatur, DD-936, Fleet Post Office, New York, New York. He will enter Harvard Business School upon completion of his Navy duty in the summer of 1962.

'61 Engaged: *Lt. Allen S. Becker, USAF, Ch.E.*, to Miss Lynne Kaye. The wedding will take place June 25. Lt. Becker is stationed at Keesler Air Force Base, Biloxi, Mississippi.

Married: *Robert Lee Cannon, Jr.*, ME, to Miss Lynnette Ard, March 25. Mr. Cannon recently completed a tour of duty with

the Air Force and is now with Carrier-Atlanta Corporation in Atlanta.

Engaged: *Thomas Harold Espy, Jr.*, CE, to Miss Eugenia Marks. The wedding will take place June 24. Mr. Espy is with the Alabama Highway Department in Montgomery, Alabama.

Born to: *Lt. and Mrs. Peter W. Gissing, USAF, IE*, a daughter, Deborah Karen, March 19, 1961. Lt. Gissing is stationed at Moody AFB, Valdosta, Georgia.

Pvt. Fred T. Gillespie, USA, IM, recently completed eight weeks of military police training at the Provost Marshal General's School at Fort Gordon, Georgia.

Born to: *Mr. and Mrs. E. George Hudson, Jr.*, IM, a son, Wayne Thomas, February 13. Mr. Hudson is a trainee with the Bell Telephone Company. They live at 11201 Lynlyn Drive, Wilmington 3, Delaware.

Engaged: *William Carl Lineberger, EE*, to Miss Aileen Jeffries. The wedding will take place in August. Mr. Lineberger will enter Graduate School at Georgia Tech in the fall.

Engaged: *Walter Scott Martin, EE*, to Miss Hannah Sutter. The wedding will take place June 3. Mr. Martin is with the C & S Bank of Atlanta.

Edmund Augustine Stawarz, Ch.E., has joined the staff of the project engineering division of Esso Research & Engineering Company, affiliate of Standard Oil Company. He lives at 100 Franklin Street, Apartment 6B8, Franklin Village, Morristown, New Jersey.

HONORARY

Mills B. Lane, Jr., president of the C & S Bank, has received the "Salesman of the Year Award" of the Atlanta Sales Executive Club.

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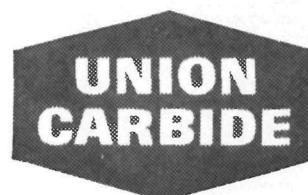
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