THE forty-six editions of the Blue Print have been published with but one objective: to catch a year between its covers . . . and your '53 staff knew no better way to present its year than to use a design and layout that is typically Tech, the informal . . . we have tried, wherever possible, to use devices and pictures that will let every page loosen its tie, so to speak . . . to set the mood we open with some quick glimpses at a few of the things that are traditionally Georgia Tech . . .
## THE HILL

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As traditional as the Ramblin’ Reck on the cover or the Administration Building on the opening page, are the people and the ways of doing things that are unescapably Tech.

THE MECH DEPARTMENT

... typified here by Professor Johns, the Mech Department has long been the common ground for engineers, aeronautical through textile, to meet and complain in unison about how hard they work.

DR. SMITH

... no account of Tech could possibly be complete without mention of the grand old prof of the Math Department, Dr. Smith.
THE BRADLEY BUILDING

the one and only
DEAN GRIFFIN

... despite the barrages of good-natured abuse thrown his way. Dean Griffin always manages to be the Dean of, by, and for the students.

THE WHISTLE . . . its faithful screech at 5 'til has roused many an engineer from peaceful slumber.

THE BRADLEY BUILDING

SIDeways

... Tech's mascot, though long departed to Canine Heaven, lives on in spirit.

A COFFEE BREAK AT THE "ROBBERY"

... SIDEWAYS...
NO STUDENT CARS PERMITTED

. . . death unto those who fail to heed the small print at the bottom of the sign.

T'S FOR TWO

. . . the newest thing in haircuts.
APPLE AND MRS. JIM
... from 8:00 class to 6:00 lab, you'll always find Jim and his wife at their stand by the gym.

THE RATS
... traditionally, freshmen must stand and wave their caps during the "Ramblin' Reck."

GEORGE P. BURDELL
... the symbol of all long suffering Tech students is George P., who, according to best authority, has been continuously enrolled since 1885!
and last but not least among TECH'S TRADITIONS is the new:
new buildings and new ideas

THE LIBRARY
... now under construction, the new ultra-modern library will be completed sometime this year.

THE ARCHITECTURE BUILDING
... Tech's newest and finest.
THE COEDS

Fall, 1952, marked the beginning of the Era of the Coed. The first brave souls to set foot on the Hill were Elizabeth and Diane. During the winter quarter the coed population doubled—to four—with the registration of Pat and Fran. Hardest hit by the change was the Army (left) which had no SOP to cover the emergency. Reaction elsewhere varied from blase (about 10) to favorable (the rest).
In being hailed again and again as the greatest handler of men in football today and in being named among the top coaches of the year, Bobby Dodd has received acclaim this season for talents that we here at Tech have appreciated for years. Indeed, it has taken more than good luck to pilot the Jackets through two successive undefeated seasons; it has taken a coach who combines the qualities of football skill and a sincere understanding of the men who play; it has taken Coach Dodd.

As some small recognition for the honor that he has brought to himself, to his teams and to Georgia Tech, the 1953 Blue Print staff proudly and sincerely dedicates this the 46th edition to Coach Robert Lee Dodd.
This year for the first time, we have put the administration, faculty and classes under one breaker. . . for, after all, prof's, students and everything else that is part of THE HILL are like one . . . as inseparable, for example, as Dean Griffin and his hat . . .
COL. BLAKE R. VAN LEER

THE PRESIDENT
The fact that Georgia Tech has always enjoyed a position of prominence and respect among engineering schools is no mere accident: it is the work of leaders like Colonel Blake Ragsdale Van Leer, under whose guiding influence Tech continues to prosper and progress.

The school year 1952-53 alone saw the opening of the new Architecture Building and work proceeding rapidly on the new Library Building, to mention only a few of the material signs of progress.

Acclaim for these achievements and credit for the spirit of co-operation that has been fostered in every phase of the activities of the school are rightfully directed to our President and our friend, Colonel Van Leer.
It would be impossible to give too much praise to the influence, both executive and spiritual, of Dr. Marion Luther Brittain, our President Emeritus. One of the greatest living southern educators, Dr. Brittain for more than two decades guided the efforts of Georgia Tech on its climb to prominence, and he will be long remembered for the part that he played in our expansion.
Georgia Tech is indeed fortunate in having a man of the caliber of Cherry Logan Emerson as its Vice President. A concrete witness to his outstanding ability and personality is the rapid expansion which has taken place on the Tech campus during the past year. No member of the administration has a more difficult job, and no one could carry out the responsibilities of this office more ably than Cherry Emerson.
ADMINISTRATION

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WILLIAM L. CARMICHAEL
Registrar

20
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James E. Garrett .......... Head, Photographic and Reproduction Services
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Mrs. Lasie Jo Nims .......... Secretary
Mrs. Evelyn Tucker .......... Secretary

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Spotswood Stobard, B.S., M.D. .......... School Physician
Lamont Henry, B.S., M.D. .......... Visiting Consultant
Max Blumberg, B.S., M.D. .......... Inspecting Officer
Charles Hegan .......... Intern
Frank Watkins .......... Intern
Mrs. Margaret Mitchell, R.N. .......... Head Nurse
Miss Carolyn Clark, R.N. .......... Nurse
Mrs. Barbara Fields, R.N. .......... Nurse
Miss Patricia Mann, R.N. .......... Part Time Nurse
Charles C. Crawford .......... Medical Technician
Albert M. Tinney .......... X-Ray and Physiotherapy Technician
Mrs. Ruth Roloff .......... Secretary

BUILDINGS AND GROUNDS

James Robert Jenkins, LL.B., LLM. .......... Superintendent
Walter H. Tripod .......... Materials Specialist
Mrs. Kay Jaynes .......... Secretary

Swann Hall, School of Industrial Management

The Civil Engineering Building

The Georgia Tech Infirmary
The School of Aeronautical Engineering was established in 1930 through a gift from the Daniel Guggenheim Fund for the Promotion of Aeronautics. The purpose of this award was to establish opportunities at the Georgia Institute of Technology for study and research of the highest order in the field of aeronautics.

The recent progress in the fields of jet propulsion, rocket power, and supersonic flight makes the course in aeronautical engineering especially significant. In addition to the undergraduate curriculum, advanced work is offered for those desiring graduate study at the master's level, and plans are in the making for offering the doctorate. Opportunities are also afforded for research.

The physical plant, housed in two buildings, is well equipped for offering laboratory work to augment and lend interest to the theoretical courses. In addition to classrooms and offices, these buildings include a 9-ft. wind tunnel, a 2½-ft. wind tunnel, a supersonic tunnel, a structures laboratory, a model and machine shop, a library, a seminar room, a lecture hall, and a large drafting room.

Enrollment for the 1952-53 year approximates two hundred and fifteen students (fifty per cent of whom are freshmen) with about thirty-five scheduled to receive aeronautical degrees at the June 1953 commencement.
The School of Architecture was established as a separate degree granting department in 1908. The primary aim of the school is to provide a broad and thorough preparation in the design professions of architecture, city planning, and industrial design.

At the graduate level the school offers to qualified students a two year program in city planning and a one year Masters program in architecture.

**School of Architecture**

**Professors**
- Harold Bush-Brown, A.B., M.Arch.
- George W. Ramsey, B.S.
- Vernon M. Shipley, Jr., B.S., B.Arch.
- Robert C. Pollard, A.I., M.R.P.
- Harold N. Cooledge, Jr., B.S., B.Arch.
- Rufus E. Greene, B.Arch.
- Wesley U. Moran, Jr., B.S.
- Theodore A. Tenen, B.S., B.Arch.
- Leo J. Zuber, A.B., M.A.
- Boris W. Boguslavsky, B.S., M.S., D.Sc.
- John M. Heffernan, B.S., B.Arch., B.Arch.
- Vernon M. Shipley, Jr., B.S., M.Arch.
- Harold N. Cooledge, Jr., B.S., B.Arch.
- Robert C. Pollard, A.I., M.R.P.
- George W. Ramsey, B.S.
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- Robert C. Pollard, A.I., M.R.P.
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- Rufus E. Greene, B.Arch.
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- Harold N. Cooledge, Jr., B.S., B.Arch.
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- George W. Ramsey, B.S.
- Rufus E. Greene, B.Arch.
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- Boris W. Boguslavsky, B.S., M.S., D.Sc.
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- George W. Ramsey, B.S.
- Rufus E. Greene, B.Arch.
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- Boris W. Boguslavsky, B.S., M.S., D.Sc.
- Vernon M. Shipley, Jr., B.S., M.Arch.
- Harold N. Cooledge, Jr., B.S., B.Arch.
- Robert C. Pollard, A.I., M.R.P.
- George W. Ramsey, B.S.
In 1923 the School of Ceramic Engineering was organized at Georgia Tech, because ceramic and mineral industries had grown to such a degree in the South that a laboratory was needed to which the industries could turn for aid. Tech was selected because of its location and prominence in engineering education.

Ceramic Engineering has to do with the processing and uses of non-metallic minerals in the manufacture of such products as brick, tile, glass, cement, etc.

The course of instruction covers a period of four years and leads to the degree of Bachelor of Ceramic Engineering. It is so arranged that upon graduation a student has the foundation that should enable him to succeed in production, research, administration and sales of any of the ceramic industries.

**School of Ceramic Engineering**

**LANCE MITCHELL, Ph.D.**

*Professor*

*Director of School*

**HARRISON W. STRALEY, III, Ph.D.**

*Professor of Geology*

**ALFRED T. NAVARRE, M.A.**

*Assistant Professor of Geology*

**MRS. MIRIAM C. POLKOHRA**

*Secretary*

**THOMAS MACKROVITCH**

*Technician*

MITCHELL

LEFT TO RIGHT: Straley, Hansard, Mitchell, Navarre.
The first undergraduate degree in Chemical Engineering was awarded in 1903. Some 60 undergraduate degrees will probably be awarded in June, 1953.

The first Ph.D. degree conferred by Georgia Tech was in Chemical Engineering in 1950. There are a total of 22 graduate students enrolled at present, 16 of whom are pursuing doctoral programs.

The undergraduate curriculum of the School of Chemical Engineering is accredited by the Engineers' Council for Professional Development and provides excellent training for the men in that field.

Chemical engineers develop and operate chemical and manufacturing processes in which materials undergo chemical change to make them usable. The need of industry for trained men in this field will always be great and Georgia Tech graduates will continue in key positions in this highly technical phase of production. The success of these graduates in their profession attests the high standards of the School of Chemical Engineering.
Chemistry has been in the basic curriculum of Georgia Tech since the establishment of the institution in 1888. It is required of almost all freshmen and more advanced courses are required in the curricula of several other departments.

Besides the Bachelor of Science, the School of Chemistry offers the Master of Science and the Doctor of Philosophy degrees.

The undergraduate curriculum in chemistry contains a number of electives and is therefore attractive to those students who expect to change into other fields such as law or medicine.

The Doctor of Philosophy, the most advanced earned degree, can be obtained in the fields of organic, physical, inorganic, or analytical chemistry.

**School of Chemistry**

P. K. Calaway, Ph.D.  Professor

H. L. Edwards, Ph.D.  Professor

W. M. Speiser, Ph.D.  Professor

W. S. Taylor, Ph.D.  Professor

W. C. Whitley, Ph.D.  Professor

R. B. Wroth, Ph.D.  Professor

W. H. Eberhardt, Ph.D.  Associate Professor

L. D. Frashier, Ph.D.  Associate Professor

J. K. Gladden, Ph.D.  Associate Professor

E. Grovenstein, Ph.D.  Associate Professor

J. Hine, Ph.D.  Associate Professor

R. F. Sessions, Ph.D.  Associate Professor

J. A. Stanfield, Ph.D.  Associate Professor

A. C. Topp, Ph.D.  Associate Professor

W. H. Burrows, M.S.  Assistant Professor

N. H. Horton, M.S.  Assistant Professor

J. A. Knight, Ph.D.  Assistant Professor

J. T. W. Ross, M.S.  Assistant Professor

H. K. Grant  Machinist

Mrs. N. M. Thibodeau  Laboratory Stores

Mans. M. M. Fleming  Secretary

**CALAWAY**

LEFT TO RIGHT, FIRST ROW: Whitley, Taylor, Calaway, Knight, Burrows... SECOND ROW: Sessions, Speiser, Horton, Wroth, Eberhardt... THIRD ROW: Grovenstein, Frashier, Edwards, Topp... FOURTH ROW: Hine, Ross, Gladden.
Civil Engineering is the oldest of the engineering professions. The civil engineer coordinates the resources of nature, men, and machines toward the goal of better living for mankind. He works in the broad fields of surveying and mapping, sanitation, transportation, hydraulics, structures, mining, irrigation and reclamation.

It is the civil engineer who designs and builds highways, railways, airports, structures of all types and sizes, dams, sewerage and water supply systems, harbors, bridges, docks, tunnels, aqueducts, reclamation systems for swamps and wastelands, river system developments, and irrigation projects.

The Civil Engineering Building, completed in 1938, contains modern classrooms, laboratories and drafting rooms.
The curriculum of the School of Electrical Engineering is planned to give a comprehensive training in the fundamental sciences. It provides for adequate training in the scientific and applied aspects of important branches of engineering other than electrical.

The electrical power engineering option has to do with the theoretical and practical phases of power generation, distribution and utilization. It deals with the principles of alternators, transformers, motors, converters and the transmission and distribution of electric power.

Students desiring to specialize in radio, electronics and telephony may choose the communications and electronics option. This option offers theory and laboratory courses in radio, electronics, telephony, wave filters, transmission lines, antennas and radiation.

school of ELECTRICAL ENGINEERING

WILLIAM A. EDSON, Sc.D. ... Professor
Edward R. Weston, M.S. ... Professor
MARTIAL A. HONNELL, M.S., E.E. ... Professor
FRANK O. NOTTINGHAM, Ph.D. ... Professor
DOMINIC P. SAVANT, M.S., E.E. ... Professor
Benjamin J. Basker, Sc.D. ... Professor
Howard L. McKinley, M.S., E.E. ... Associate Professor
Edward E. Perkins, M.S. ... Associate Professor
Ashford W. Stalnaker, E.E. ... Associate Professor
David L. Finn, Ph.D. ... Associate Professor

WESTON

William T. Clary, M.S. ... Assistant Professor
Marie R. Donaldson, M.S. ... Assistant Professor (on leave)
Daniel C. Fiebrich, M.S., E.E. ... Assistant Professor
Donald W. Fraser, M.S. ... Assistant Professor (on leave)
William E. Jones, Jr., M.S. ... Assistant Professor (on leave)
David O. Gunson, M.S. ... Instructor
ARTHUR HAGEDORN, B.S., in E.E. ... Instructor
THOMAS M. WHITE, M.S. ... Instructor
John G. Cole, M.S. ... Instructor
John M. Wallace, Jr., B.E.E. ... Instructor
Margery M. Street ... Secretary
ELMIRA M. MARTIN ... Clerk

The increasing magnitude and complexity of modern industrial plants has demanded the development of a new branch of engineering now widely recognized as Industrial Engineering. The field of the industrial engineer is that of the process and production expert engaged in planning, organizing, improving, managing, and operating various processes for producing manufactured products of all kinds.

To meet the need of industry for this new kind of engineer, the School of Industrial Engineering was formed. The first degree was awarded in 1946. The enrollment of the School is now over 300.

During 1952, additional space was made available to the School which will permit the development and extension of much needed laboratory facilities.
The objective of the School of Industrial Management is to train students for such positions in industry as are not regarded as highly technical such as is the case with engineering schools. Those aspects of management in industry are stressed which have to do with management of capital, management of finances and accounting, employment, training and management of personnel, making the best utilization of already known markets, and discovering new markets. Particular emphasis is placed upon the personal development of the individual personalities of the students with the view of realizing the kind of leadership that is exemplified in the life and work of successful persons. While a knowledge of the subject-matter of the courses offered is not minimized, it is not stressed so as to overshadow the importance of the individual student and the broadening of his individual vision of the part he is to play in the future as an industrial leader.
The School of Mechanical Engineering was the only degree-granting department of Georgia Tech from the opening of the Institute in 1888 until 1896. The course of study has changed through the years to the present curriculum in which broad application of fundamental theory is emphasized.

Mechanical Engineering embraces the science and art of the generation, transmission, and utilization of heat and mechanical energy as well as the production of tools, machines and their products.

There are no optional courses in mechanical engineering but electives are provided whereby a student may have some choice of subjects most suited to his individual desires. The curriculum is designed to provide the basis for future advancement of mechanical engineering graduates as professional engineers and as citizens.
In the last few decades, physicists have emerged from their laboratories to participate more directly in the work of the world. The pace of technical progress has become so fast that industry is ready for the next scientific discovery before it has been made, and physicists are wanted to work side-by-side with engineers in developing practical applications. This, and the increasing complexity of industrial and military equipment calls for the education of more physicists, and for the education of engineers with more fundamental training in physics.

The School of Physics meets the need for training in physics by offering basic service courses to all sophomores and by offering advanced work leading to either a bachelor’s or master’s degree in physics. The curriculum for a degree includes advanced general courses with a liberal choice of electives. A student may thus prepare either for the newer and more direct participation in industry, or for a scientific career of the more traditional type.
Opportunities for trained people in the textile industry are unusually
diverse and numerous. Few industries today offer as many chances for
leadership and success to young people who prepare themselves for
responsible jobs. There are positions available in practically all
branches of the industry. Designers, salesmen, chemists, engineers,
laboratory technicians, overseers, inspectors and specialists in machine
operation and efficiency, personnel problems, testing, time studies,
merchandising, and product development are but a few of the numer-
ous trained men needed by the textile industry.

In order to provide the textile and related industries with prospects
for supervisory, administrative and executive positions, the School of
Textile Engineering offers courses leading to the degrees of Bachelor
of Textile Engineering and Bachelor of Science in Textiles. The work
leading to these degrees may be taken in one of three options, viz.,
Textile Engineering, Textile Chemistry and Dyeing, and Textile Man-
ufacturing. Each of these may be taken as a regular four-year course,
or in accordance with the five-year co-operative plan.

Graduate courses are also provided leading to the degree of Master
of Science in Textiles and M.S. in Textile Engineering.

The purpose of the A. French Textile School of the Georgia Insti-
tute of Technology is to give to each and every student entering the
school the advantage of the best training and advice possible in the
textile field.

### School of Textile Engineering

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herman A. Dickert, A.B, M.A</td>
<td>Professor</td>
</tr>
<tr>
<td>Charles A. Jones, B.S.</td>
<td>Professor</td>
</tr>
<tr>
<td>James L. Taylor, Ph.D.</td>
<td>Professor</td>
</tr>
<tr>
<td>Ralph L. Hill, B.S., M.S.</td>
<td>Professor</td>
</tr>
<tr>
<td>Gerald B. Fletcher, B.S.</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>J. W. McCarty, B.S., M.S.</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Richard L. Hearn, B.S.</td>
<td>Instructor</td>
</tr>
<tr>
<td>James Macdonald, Jr., B.S.</td>
<td>Instructor</td>
</tr>
<tr>
<td>D. E. Philpott</td>
<td>Supervisor</td>
</tr>
</tbody>
</table>

**Left to right, first row:** Philpott, Dickert, Fletcher, McCarty...
**Second row:** Jones, Hill, MacDonald, Taylor, Hearn.
Regardless of his field, no engineer has received proper training without adequate knowledge of certain basic subjects—service courses, as they are called. This division offers such courses in two fields—Engineering Drawing and Mechanics—with the purpose of providing students of the Georgia Institute of Technology with sufficient knowledge of these subjects to perform the services required of an engineer.

Engineering Drawing, fortified by descriptive geometry, is designed to give students a basic skill in making and understanding drawings, and putting their ideas into graphical representation. Mechanics concerns forces and their effects in producing and changing motion and in altering shapes of bodies. This is the foundation for the design and construction of machinery, structures and bridges.
The English Department is one of the largest and oldest departments on the campus. Its twenty-one members have taught at Georgia Tech a total of more than two hundred years. The department teaches required courses to all freshmen, all sophomores, and eighty per cent of the juniors, in addition to offering elective courses for a large number of upper classmen.

It is especially interested in campus organizations and supplies faculty advisers to such organizations as the Debate Club, The Technique, the Y.M.C.A., the Blue Print, and ODK. But its chief aim is to see that every Tech student speaks well, writes correctly, thinks clearly, and reads widely.

Andrew J. Walker, Ph.D., Professor
Head of Department

Edwin H. Folk, A.B., M.A., Professor
Glenn W. Rainey, A.B., M.A., Professor
H. C. Brown, A.B., M.A., Professor
Henry W. Adams, A.B., M.A., Associate Professor
David B. Gomez, III, A.B., M.A., Associate Professor
Edward Foster, A.B., M.A., Associate Professor
W. Richard Metcalfe, A.B., M.A., Associate Professor
Tom F. Almon, B.S., M.A., Assistant Professor
Milton Chaimkin, B.S., M.A., Assistant Professor
James E. Haman, A.B., M.A., Assistant Professor
A. Frank Hamrick, A.B., M.A., Assistant Professor
Alton A. Horrobin, A.B., M.A., Assistant Professor
Samuel C. Ketchin, A.B., M.A., Assistant Professor
William R. Mullen, Ph.D., Assistant Professor
Karl M. Murphy, Ph.D., Assistant Professor
Ralph R. Spillman, A.B., M.A., Assistant Professor
Edward Stone, Ph.D., Assistant Professor
Joseph Whitt, Ph.D., Assistant Professor
John P. O'Neill, B.S., M.A., Instructor
Gerald C. Weales, A.B., M.A., Instructor
Mrs. Mary Nell Ivey, A.B., Drama Director
Miss Helen Auclair, Secretary

LEFT TO RIGHT, FIRST ROW: Corner, Spillman, Walker, Hamen, Folk, Adams.
SECOND ROW: Almon, O'Neill, Whitt, Weales, Hamrick, Murphy.
THIRD ROW: Foster, Hobgood, Ketchin, Chaimkin, Mullen, Rainey, Stone, Brown, Metcalfe.
The Department of Mathematics provides instruction for every student who enters Georgia Tech. Thus, in the fall quarter of the current year 2340 students were registered in this subject. All schools of engineering require two full years of mathematics and several require other courses. In addition, the department offers a series of graduate and semi-graduate courses. It also offers the M.S. Degree in Applied Mathematics.

H. K. Fulmer, M.A. ........................................ Professor
A. H. Bailey, Ph.D. ........................................ Professor
C. W. Hook, M.A. ........................................ Professor
I. P. Perlin, Ph.D. ........................................ Professor
Walter Reynolds, M.S. ..................................... Professor
D. M. Smith, Ph.D. ........................................ Professor
J. C. Currie, Ph.D. ........................................ Associate Professor

G. H. Holton, M.A. ........................................ Associate Professor
M. B. Sledd, M.S. ........................................ Associate Professor
A. L. Starrett, A.M. ........................................ Associate Professor
J. C. Brooks, M.A. ........................................ Assistant Professor
M. H. M. Esser, Ph.D. .................................... Assistant Professor
W. B. Evans, Ph.D. ........................................ Assistant Professor (On military leave)
A. E. Fulton, M.S. ........................................ Assistant Professor
J. R. Garrett, Ph.D. ........................................ Assistant Professor
W. A. Martin, M.A. ........................................ Assistant Professor
G. K. Overholtzer, Ph.D. ................................. Assistant Professor
C. R. Swenson, M.A. ...................................... Assistant Professor
J. R. Vail, M.A. ........................................... Assistant Professor
J. H. Wahab, Ph.D. ....................................... Assistant Professor
R. A. Willoughby, Ph.D. ................................. Assistant Professor
G. A. York, M.A. ........................................ Assistant Professor
W. R. Carnes, B. of A.E. ................................. Instructor (On military leave)
C. T. Purvis, M.S. ........................................ Instructor (On leave)
Faye Barry ................................................. Secretary
The Department of Modern Languages seeks first to give the student sufficient mastery of a foreign language to enable him to read and understand with reasonable facility the scientific and technical literature of that language. Further, it seeks to inform the student, through the medium of the foreign language, of the civilization and literature of the countries where that language is spoken.

JAMES DIXON WRIGHT, A.B., M.A., PH.D. . . . . . . Professor
Head of Department

ROBERT M. ERVIN, A.B., M.A . . . . . . . Professor

JOSEPH A. CAMPOAMOR, A.B., M.A., LL.B. . . Associate Professor

GEORGE F. WALKER, B.S., A.B., M.A . . . . . Associate Professor

K. REED THOMPSON . . . . . . . Secretary

The Department of Social Sciences serves the college as an integral part of its program of general education. To be a fully educated citizen the engineer must have a broad background of general training in fields not specifically technical. Among these are courses in government, history, sociology, current affairs, and applied economics. The election of these courses tends to broaden the view of the prospective engineer and to help him understand the far-reaching problems of our complex modern society.

GLENN N. SISK, PH.D. . . . . . . . . . . . . . Professor
Head of Department

EDWARD A. GASTON, M.S. . . . . . . . . Assistant Professor

GEORGE HENDRICKS, M.A. . . . . . . . Assistant Professor

RICHARD H. LEACH, PH.D. . . . . . . . Assistant Professor

MALCOLM MCAFEE, B.D., M.A. . . . . . . Assistant Professor

ROBERT SCHAFER, PH.D. . . . . . . . Assistant Professor

WILLIAM E. WIGHT, M.A. . . . . . . . Lecturer

MRS. IMOGENE R. FRAZIER . . . . . . . Secretary

LEFT TO RIGHT: Campoamor, Walker, Ervin, Wright.

LEFT TO RIGHT: Leach, Scharf, Wright, Sisk, McAfee, Hendricks, Gaston.
PHYSICAL TRAINING

Strength of body and mind are closely correlated. The Department of Physical Training presents a two year course with two primary objectives: (1) Keeping the student physically fit while a student in our institution, and (2) Giving the student such instruction and motivation in "carry over" sports that he will continue to pursue some of these activities after he leaves Georgia Tech.

ARTHUR M. COLEMAN, M.A.  Professor
Head of Department
LYLE R. WELSER, M. Ed.  Professor
FRANCIS R. LANOUÉ, M.Ed.  Associate Professor
NORMAN C. DEAN, B.S.  Associate Professor
JOHN C. HYDER, B.S.  Assistant Professor
JULIAN H. PETTARD, B.S.  Assistant Professor
TOMMY PLAXICO, B.S.  Assistant Professor
JAMES H. McALVEY, B.S.  Assistant Professor
JOHN T. FOSTER, B.A.  Assistant Professor
MRS. FOREST HARRIS  Secretary

PUBLIC HEALTH & BIOLOGY

Students of engineering, chemistry, management, and indeed all who intend to assume positions of responsibility in industry, are vitally concerned with problems of health and sanitation, both industrial and environmental. The Department of Public Health and Biology provides courses in industrial and environmental sanitation, water and food sanitation and the modern methods and techniques used by industrial and governmental agencies in the solution of the problems of the public health.

H. A. WYCKOFF, M.S.  Professor
Head of Department
R. S. INGOLS, Ph.D.  Professor
A. E. CANNON, M.S.  Associate Professor
H. E. MILLER, M.S.  Associate Professor

PSYCHOLOGY

The Department of Psychology was established at Tech as a service unit in 1945. The philosophy of the department has been to stress the importance of the human factor in all phases of engineering. An attempt has been made to make students sensitive to the whole man, his attitudes, his feelings, his fears and his desire for recognition and security.

JOSEPH E. MOORE, Ph.D.  Professor
Head of Department
JOHN A. BARLOW, Ph.D.  Instructor
RAYFORD T. SAUCER, M.A.  Instructor
LILLIAN BRIDGES  Secretary
The Federal Government maintains, at the Georgia Institute of Technology, a Senior Division of the Air Reserve Officers' Training Corps. General objectives of the course of instruction are to produce junior officers possessing the qualities and attributes essential to their progressive and continued development in the Officers' Reserve Corps of the United States Air Force and in the Regular Air Force. Training in military leadership is emphasized.

JAMES F. THOMPSON, Jr., Colonel, USAF

WILLIE D. FRIESTEDT, M/Sgt.

RUBERL C. YEAGER, M/Sgt.

GENE N. METCALF, M/Sgt.

EDWARD J. URBASCHAK, M/Sgt.

STANLEY L. WARREN, M/Sgt.

ARCHIE E. HALCOMB, T/Sgt.

GERALD H. PARKER, T/Sgt.

WOODROW SPRADLIN, T/Sgt.

LEROY W. WOLFF, T/Sgt.

WILLIAM C. TOWNSEND, T/Sgt.

Professor of Air Science and Tactics

MILLAIN R. BULLINGTON, Major, USAF

JASPER G. KNOLL, Major, USAF

DONALD E. DANO, Captain, USAF

CURTIS R. GODWIN, Captain, USAF

FOREST O. McCLURE, Captain, USAF

ROBERT L. MITCHELL, Captain, USAF

JAMES M. SHERMAN, Captain, USAF

KENNETH K. WILCOX, Captain, USAF

ASSISTANT, P. 4

ASSISTANT, P. 4

ASSISTANT, P. 4

ASSISTANT, P. 4

ASSISTANT, P. 4

ASSISTANT, P. 4

ASSISTANT, SUPPLY SGT.

SERGEANT MAJOR

SENIOR CLERK

INSTRUCTOR

INSTRUCTOR

INSTRUCTOR

INSTRUCTOR

INSTRUCTOR

ASSISTANT, CLERK

INSTRUCTOR

INSTRUCTOR

INSTRUCTOR

ASSISTANT, SUPPLY SGT.

The Federal Government maintains at the Georgia Institute of Technology, a Senior Division of the Army Reserve Officers’ Training Corps, consisting of six units: Antiaircraft Artillery, Infantry, Chemical Corps, Corps of Engineers, Ordnance Corps, and Signal Corps. General objectives of the course of instruction are to produce junior officers possessing qualities and attributes essential to their progressive and continued development in the Officers' Reserve Corps of the Army of the United States and in the Regular Army. Training in military leadership is emphasized, with instruction being given in subjects common to all branches of the Army and in tactics and technique of the several branches.

The complete course of instruction of the Senior Division ROTC program comprises four years, with approximately 130 hours of instruction in each of the two years of the basic course, and 160 hours of instruction in each year of the advanced course with the addition of a summer camp.
CAPT. STOKES

The Naval Reserve Officers Training Corps Unit at the Georgia Institute of Technology is one of the fifty-two units at colleges and universities throughout the United States. Its purpose is to provide both regular and reserve officers for the U. S. Navy and Marine Corps. Courses are offered leading to a commission as Ensign, Line or Supply Corps in the Navy and Naval Reserve, and Second Lieutenant in the Marine Corps and Marine Corps Reserve. A portion of the students attend Georgia Institute of Technology under the Navy scholarship program in which most of their expenses are paid by the Navy. The number who may enroll is limited by a quota established by the Bureau of Naval Personnel each year.

The Naval Reserve Officers Training Corps Unit at the Georgia Institute of Technology is one of the fifty-two units at colleges and universities throughout the United States. Its purpose is to provide both regular and reserve officers for the U. S. Navy and Marine Corps. Courses are offered leading to a commission as Ensign, Line or Supply Corps in the Navy and Naval Reserve, and Second Lieutenant in the Marine Corps and Marine Corps Reserve. A portion of the students attend Georgia Institute of Technology under the Navy scholarship program in which most of their expenses are paid by the Navy. The number who may enroll is limited by a quota established by the Bureau of Naval Personnel each year.

NAVAL R.O.T.C.

PHILLIP G. STOKES, Captain, U. S. Navy
Professor of Naval Science, Commandant

JAMES P. PROWELL, Lt. Col., U. S. Marine Corps
Associate Professor

McMILLAN H. JOHNSON, LCDR, USNR
Assistant Professor

JAMES E. RAYNS, LCDR (SC), USN
Assistant Professor

RICHARD A. BRENNEMAN, Major, USMC
Assistant Professor

JOHN H. BOELENS, LT, USN
Assistant Professor

Jesse R. COBB, LT, USN
Assistant Professor

THOMAS W. BROWN, LT, USN
Assistant Professor

WILLIAM H. ROGERS, LT, USN
Assistant Professor

WARD P. RIGGINS, LTJG, USN
Assistant Professor

GEORGE W. DUCHARME, OMC, USN
Instructor

GEORGE A. BORK, LTC, USN
Instructor

VERNON HAND, GME, USN
Instructor

GUY D. MULLINS, YNC, USNR (F-6)
Instructor

MARION L. HENDRICK, SKC, USN
Instructor

WILLIAM L. VICK, M/Sgt., USMC
Instructor

WILLIAM M. KNIGHT, ETT, USN
Instructor

MARGARET L. CRONE
Secretary

WILLIAM H. ROGERS, LT, USN
Assistant Professor

MRS. LOIS M. JACKSON
Secretary

LEFT TO RIGHT, FIRST ROW: Brenneman, Prowell, Stokes, Johnson
SECOND ROW: Brown, Rogers, Riggins, Cobb, Boelens
THIRD ROW: Knight, Mullins, Hendrick, Hand, Bork
FOURTH ROW: Vick, DuCharme, Meyers

THE NAVAL ARMORY
GRADUATE STUDENTS

OFFICERS OF THE GRADUATE CLUB

JOHN JAMGOCHIAN . . . . . . . President
ROBERT K. WOLFE . . . . . . . Vice President
HENRY C. CRADDOCK, JR . . . . . . Treasurer
CHARLES M. WHITE . . . . . . . Secretary

Awni, Abnan H. . . . . . . . Bagdad, Iraq
Bankston, Preston T. . . . . . Tarrant City, Ala.
Bayley, Lloyd R., Jr. . . . . . Odhela, Cal.
Bernstein, David . . . . . . . Omaha, Nebr.
Branden, Sherman W., Jr. . . Racine, Wis.
Brennan, B. E. F., Jr. . . . . . Birmingham, Ala.
Bayley, Lloyd R., Jr. . . . . . Odhela, Cal.
Bernstein, David . . . . . . . Omaha, Nebr.
Branden, Sherman W., Jr. . . Racine, Wis.
Brennan, B. E. F., Jr. . . . . . Birmingham, Ala.
Bayley, Lloyd R., Jr. . . . . . Odhela, Cal.
Bernstein, David . . . . . . . Omaha, Nebr.
Branden, Sherman W., Jr. . . Racine, Wis.
Brennan, B. E. F., Jr. . . . . . Birmingham, Ala.
Bayley, Lloyd R., Jr. . . . . . Odhela, Cal.
Bernstein, David . . . . . . . Omaha, Nebr.
HEARN, RICHARD L. 	 Atlanta, Ga. 
Textile Engineering

HOLLOWAY, BENJAMIN G. 	 Atlanta, Ga. 
Textile Engineering

HOLMES, EDWARD G. 	 Houston, Tex. 
Electrical Engineering

HOLT, A. ROLAND 	 Columbus, Ga. 
Civil Engineering

HUMPHREY, ROBERT E. 	 Kansas City, Mo. 
Electrical Engineering

JAMOCHIAN, JOHN, JR. 	 Richmond, Va. 
Electrical Engineering

KENNEDY, CLARK M. 	 Atlanta, Ga. 
Civil Engineering

KENNEDY, CLAY W. 	 Greenville, S. C. 
Textile Engineering

LA PRAD, QUENTIN G. 	 Sandusky, Ohio 
Electrical Engineering

LEVINE, ZELVIN 	 Savannah, Ga. 
Chemical Engineering

LIND, CHARLES L. 	 Rochester, N. Y. 
Industrial Management

LIND, WARREN E. 	 Rochester, N. Y. 
Industrial Engineering

LIVINGSTON, JACK L. 	 Montgomery, Ala. 
Electrical Engineering

MABRY, AUBON L. 	 New Orleans, La. 
Civil Engineering

McGEE, HENRY A., JR. 	 Atlanta, Ga. 
Chemical Engineering

McKee, LOGAN A., JR. 	 Kirkwood, Mo. 
City Planning

MEADWELL, HENRY E., JR. 	 Atlanta, Ga. 
Electrical Engineering

MENDONSA, ARTHUR A. 	 Atlanta, Ga. 
City Planning

METFENHEIMER, CLAIR B. 	 Palm Beach, Fla. 
Industrial Engineering

MONTGOMERY, JAMES N. 	 Atlanta, Ga. 
Electrical Engineering

MOORE, ROY L., JR. 	 Thomson, Ga. 
Textile Engineering

MURASKAS, WILLIAM A. 	 Schenectady, N. Y. 
Textile Engineering

MUSSELWEIGHT, THOMAS W. 	 Atp, Tex. 
Mechanical Engineering

MORGAN, DALE L. 	 Fort Thomas, Ky. 
Electrical Engineering

OWENS, EMMET D. 	 Washington, D. C. 
Textile Engineering

PANKER, GARIN S. 	 Harrisonburg, Va. 
Aeronautical Engineering

POULOS, NICK E. 	 Atlanta, Ga. 
Ceramic Engineering

PUCKETT, CHARLES D. 	 Los Angeles, Cal. 
Physics

REINTS, DAVID M. 	 Aplington, Iowa 
Electrical Engineering

SAWYER, JAMES E. 	 Brookhaven, Ga. 
Civil Engineering

SHEHAYIB, KAMAL S. 	 Cairo, Egypt 
Architecture
| Graduate students W. C. Cheng and W. G. Trawick in physical chemistry lab |
|--------------------------|--------------------------|
| **Graduate students**    | **Field**                |
| Slover, Vasel R., Jr.    | Mechanical Engineering  |
| Smith, Joseph L., Jr.    | Mechanical Engineering  |
| Standish, Frederick D., H. | Grosse Point, Mich.  |
| Steiner, Gilbert L., Jr. | Mechanical Engineering  |
| Syn, Wai M.              | Singapore, Malaya        |
| Taft, George H.          | Electrical Engineering   |
| Thomas, Cyrus H.         | Chemistry                |
| Thomas, Robert J.        | Daytona Beach, Fla.      |
| Usher, Donald W.         | College Park, Md.        |
| Vasconez, Pedro          | Industrial Management    |
| Volkell, Francis E.      | Wichita, Kan.            |
| Voegeli, Francis E.      | Electrical Engineering   |
| Vora, Paul               | London, England          |
| Wells, James R.          | Uvalda, Ga.              |
| Wesek, William F.        | Akron, Ohio              |
| White, Charles M.        | West Point, Ga.          |
| Wylie, Leonard M.        | Atlanta, Ga.             |
| Yu, Tsi S.               | Shanghai, China          |

- Mechanical Engineering
- Electrical Engineering
- Industrial Engineering
- Architecture
- Chemical Engineering
- Mechanical Engineering
- Aeronautical Engineering
- Chemical Engineering
- Chemical Engineering