The front campus from Knowles Building.

The Gymnasium.

The Georgia Tech YMCA.

Our latest... the Bradley Building.
Alma Mater

Oh, sons of Tech, arise, behold!
The banner as it reigns supreme,
For from on high the White and Gold
Waves in its triumphant gleam.
The spirit of the cheering throng
Resounds with joy revealing
A brotherhood in praise and song,
In memory of the days gone by.
Oh, Scion of the Southland,
In our hearts you shall forever fly.

We cherish thoughts so dear for thee,
Oh, Alma Mater, in our prayer,
We plead for you in victory,
And in the victory we share!
But when the battle seems in vain
Our spirit never falters,
We're ever one in joy or pain,
And our union is a lasting bond.
Oh! may we be united
Till the victory of life is won.
We
With deepest gratitude for all that he has given, we the Class of 1952 and the staff of the Blue Print respectfully dedicate this the forty-fifth volume of our yearbook to LLOYD WALTER CHAPIN, our Dean of Faculties. In his twenty-nine years of faithful service to Georgia Tech, he has exemplified the traits of a true gentleman, an outstanding educator, an efficient administrator, and a loyal friend.

Dean Chapin joined the Tech faculty in 1923 as an instructor in the Department of English and successively rose to the positions of Assistant Professor, Associate Professor and Professor of English. In 1941 he became the school Registrar and Director of Admissions. In 1948 President Van Leer reorganized the administrative set-up of the Institute and appointed Dean Chapin to the position of Dean of Faculties with the executive and administrative responsibility for all instructional activities, including the Engineering College, the General College, the Graduate Division, the Cooperative Division, and the Army, Navy, and Air R. O. T. C.

Dean Chapin is a member of Kappa Alpha fraternity, Omicron Delta Kappa, Phi Kappa Phi, the Kiwanis Club, the American Society for Engineering Education, the American Association of University Professors, and the American Association of Collegiate Registrars. He also served as president of the Southern Association of College and University Registrars and as secretary of the Commission on Institutions of Higher Education of the Southern Association of Colleges and Secondary Schools.
WE'LL REMEMBER . . . our professors who gave freely of their time and talents and whose guiding influence will be felt in our lives and work for years to come . . .

*WE'LL REMEMBER . . . those men behind the scenes who helped to build and maintain the high standards that support the reputation of the Georgia Tech of today.
FACULTY and ADMINISTRATION

In This Division . . .

- ADMINISTRATION . . . PAGE 12
- THE SCHOOLS . . . PAGE 20
- THE DEPARTMENTS . . PAGE 32
The front campus as seen from North Avenue.
COLONEL BLAKE RAGSDALE VAN LEER
THE PRESIDENT

THE GEORGIA INSTITUTE OF TECHNOLOGY, as the outstanding engineering school of the South, is indeed fortunate in having Col. Blake Ragsdale Van Leer as its president and the guiding force in the continuing advancement of Tech to preserve its position of leadership.

Acclaim for our progress should rightfully be directed to President Van Leer, whose tireless and capable direction has achieved the great strides of recent years.

We salute our President for his able administration of the affairs of this institution. His direction of every phase of the activities of our Alma Mater has been wise and efficient.
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.
VICE PRESIDENT

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.

EXECUTIVE DEAN

Phil Blasier Narmore, as Executive Dean, is responsible for enforcing the regulations of the school. He has performed this difficult task with the quietness and firmness characteristic of a true leader. His energetic and tireless work has figured prominently in the improvement and expansion of Georgia Tech.

DEAN OF STUDENTS

One of the most indispensable members of the administration from the standpoint of students and faculty is George C. Griffin, Dean of Students. Thousands of students pass through his office for advice and assistance and his friendly, helpful attitude has won him the admiration of all those who have come in contact with him.
DEAN OF FACULTIES

In his position of Dean of Faculties, Dean Chapin has shown remarkable ability in handling the academic affairs of the Institute which are his responsibility. His warm sincerity and executive ability have earned for him the admiration of students and faculty alike.

LLOYD W. CHAPIN
Dean of Faculties

DEAN OF THE GENERAL COLLEGE

As Dean of the General College, Dr. Hefner has very capably carried out his duties of the non-degree granting departments. His fairness and friendliness have won for him the high regard of all who come in contact with him.

RALPH A. HEFNER
Dean of the General College

DEAN OF THE ENGINEERING COLLEGE

The administration of the Engineering College comes naturally to Dr. Mason who formerly directed the School of Chemical Engineering. In his four years as Dean of Engineering, he has proven his real ability as an administrator, and his friendly manner is known to all.

JESSE W. MASON
Dean of the Engineering College
OFFICE OF THE PRESIDENT
BLAKE RAGSDALE VAN LEER, M.E., Sc.D. . . . . . . . President
MARION LUTHER BRITAIN, A.B., LL.D. . . . . . . . President Emeritus
MRS. WILLIAM E. HOTCHKISS, III . . . . . . . Receptionist
ELIZABETH G. KOENIG . . . . . . . Secretary

OFFICE OF THE VICE PRESIDENT
CHERRY L. EMERSON, B.S. in M.E. and E.E. . . . . . Vice President
FRANCES S. KRELLSTEIN . . . . . . . Administrative Assistant

OFFICE OF THE EXECUTIVE DEAN
PHIL BLASIER NARMORE, B.S., Ph.D. . . . . . . . Executive Dean
HELEN M. PATTERSON . . . . . . . Secretary

OFFICE OF THE DEAN OF STUDENTS
GEORGE C. GRIFFIN, B.S. . . . . . . . Dean of Students
FRED W. AJAX, B.A., A.M. . . . . . . . Associate Dean
JOHN J. PERSHING, A.B., M.Ed., Ed.D. . . . . . Associate Dean
T. BENJAMIN MASSEY, A.B., M.S. . . . . . . . Associate Dean
WILHELMINA DOUGHERTY . . . . . . . Administrative Assistant
ESTHER LEVIELLE . . . . . . . Secretary
MARY ELLEN WEBB . . . . . . . Secretary
BETTY JUNE WHITE . . . . . . . Secretary

OFFICE OF THE DEAN OF FACULTIES
LLOYD WALTER CHAPIN, M.A. . . . . . . . Dean of Faculties
MARY ELEAZAR BROWN . . . . . . . Administrative Assistant

OFFICE OF THE DEAN OF THE GENERAL COLLEGE
RALPH A. HEPNER, Ph.D. . . . . . . . Dean
ELOISE PENN . . . . . . . Secretary

OFFICE OF THE DEAN OF THE ENGINEERING COLLEGE
JESSE W. MASON, Ph.D. . . . . . . . Dean
MRS. FRANCES NORTON . . . . . . . Secretary

OFFICE OF THE GRADUATE DIVISION
RAY L. SWEIGERT, Ph.D. . . . . . . . Dean
GLENN WILLIAM GILMAN, M.S. . . . . . . . Administrative Assistant
LUCILE N. MANGET . . . . . . . Secretary
MARY E. PEiks . . . . . . . Secretary

OFFICE OF THE COOPERATIVE DIVISION
JAMES G. WOHLFORD, B.S., M.S. . . . . . . . Director
JOHN L. CAIN, B.S. . . . . . . . Assistant Director
MARY WARING GREEN, A.B. . . . . . . . Administrative Assistant
CAROLINE LINDSAY FORD, A.B. . . . . . . . Secretary
...ADMINISTRATION...

THE ENGINEERING EXTENSION DIVISION

Office of the Director

ROGER SHEPPARD HOWELL, B.S. in M.E., M.S. . . . . Director
MRS. BLANCHE B. TURNER . . . . Registrar
BHESIA C. SHARP, B.S. . . . . Financial Secretary
MARTHA G. BELL, A.B. . . . . Secretary to Director

Engineering Evening School

MILTON R. McCLURE, B.S. . . . . Director
ROBERT E. ESKEW, B.I.E. . . . . Assistant Director
MRS. EVA BURKE . . . . Secretary to Director

Short Courses and Conferences

CHARLES H. TAYLOR, B.B. . . . . Director (on leave)
ROBERT E. ESKEW, B.I.E. . . . . Acting Director
DELORES BARRIER . . . . Secretary to Director

Industrial Education

THOMAS H. QUIGLEY, A.B., B.S. . . . . Professor, Head of the Dept.
JAMES FAYETTE CANNON . . . . Assistant Professor
MRS. RUBY JACOBS . . . . Secretary
MRS. ELIZABETH SEVERANCE, B.S. . . . . Secretary

Institute of Public Safety

WILLIAM N. COX, B.E., M.M.E. . . . . Administrative Head

Southern Technical Institute

LAWRENCE V. JOHNSON, B.S., M.S. . . . . Director
LOY Y. BRYANT, A.B., M.A. . . . . Registrar
GEORGE L. CARROLL, A.B. . . . . Dean of Basic Studies
GEORGE L. CRAWFORD, B.S., M.S. . . . . Dean of Technical Division
CYRUS V. MAHON, A.B. . . . . Dean of Students
MINNE N. MAVITY . . . . Administrative Assistant
DORIS H. SMITH . . . . Financial Secretary
MARY PRICE . . . . Placement Secretary and Receptionist
DORIS WESTBROOK NYLAND . . . . Secretary, Veterans Affairs
AILEEN DEMPSEY . . . . Secretary to Supt. of Bldgs. and Grnds.
MARY DEANE RAINBY . . . . Clerk

BUILDINGS AND GROUNDS

JAMES ROBERT JENKINS, B.B., L.I.M. . . . . Superintendent
WALTER H. TRIPOD . . . . Material Specialist
EULENE KERSEY . . . . Secretary

DEPARTMENT OF HEALTH

LESLEY MORRIS, B.S., M.D. . . . . Director of Health
SPRTSWOOD STODDARD, B.S., M.D. . . . . School Physician
LAMONT HENRY, B.S., M.D. . . . . Visiting Consultant
MAX BLOMBERG, B.S., M.D. . . . . Associate School Physician
FRANK GRUBER . . . . Intern
JULIAN YOUMANS . . . . Intern
MRS. MARGIE MITCHELL, R.N. . . . . Head Nurse
MISS CAROLYN CLAIR, R.N. . . . . Nurse
MRS. JANICE WILLIAMS, R.N. . . . . Nurse
CHARLES C. CRAWFORD . . . . Medical Technician
ALBERT M. TINSLEY . . . . X-Ray and Physiotherapy Technician
MRS. VIRGINIA BARTHOLOMEW . . . . Secretary

JAMES R. JENKINS
Superintendent,
Buildings and Grounds

LESLEY MORRIS
Director of Health
The School of Aeronautical Engineering was established in 1930 through a gift of $300,000 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 on the campus and a hangar on the nearby Marietta Air Base, is well equipped for offering laboratory work to augment and lend interest to the theoretical courses. Most of this equipment is also suitable for research projects. Both study and research are facilitated by the accessibility of the special library reference collection maintained in the center of the plant.

DONNELL W. DUTTON, B.S., M.E.; M.S., A.E., Prof.
Director of School

ALAN Y. POPE, M.S., A.E., Prof. (on leave)

GEORGE K. WILLIAMS, E.E., M.E.E., Prof.

ARNOLD L. DUFOUR, Ph.D., Associate Prof.

RICHARD G. FLEDDERMAN, Ph.D., Associate Prof.

E. J. BRICKER, B.S., M.E.; M.S., A.E., Associate Prof.

WALTER CASTLES, JR., B.S., A.E., Associate Prof.

HURLBUT W. S. LAVIER, B.S., M.E.; M.S., A.E., Associate Prof.

JOHN J. HARPER, B.S., M.E.; M.S., A.E., Associate Prof.

GUS RICHMOND, M.S., A.E., Associate Prof. (on leave)

MRS. Verna B. Daniel, Library Clerk

WILLIAM C. SLOCUM, Model Maker

MRS. HAZEL E. Morris, Clerk

SARA ROBISON, Secretary

SARAH Q. SLAUGHTER, Secretary

LEFT TO RIGHT, FIRST ROW: Bricker, LaVier, Williams, . . . SECOND ROW: Fledderman, Harper, Dutton.
The School of Architecture was established as a separate degree-granting department in 1908. In 1934 architecture was made a five-year course leading to the degree of Bachelor of Architecture. The primary aim of the School of Architecture is to provide a broad and thorough preparation for future architects through the course designated Architectural Design. Architectural Engineering is offered as a second option for those who may wish to engage in the practice of architecture or allied fields as specialists in construction.
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.

LANE MITCHELL, Ph.D. .... Professor
Director of School

HARRISON W. STRALEY, III, Ph.D. .... Associate Professor
ALFRED T. NAVARRE, B.S., M.A. .... Associate Professor
CHARLES F. WYSONG, B.S. .... Assistant Professor
WILLIAM C. HANSARD, B.S. .... Assistant Professor
THOMAS MACKROVITCH .... Technician
MIRIAM C. PREHODA .... Secretary
CHEMICAL ENGINEERING

The first degree in Chemical Engineering was awarded in 1903. Since then over nine hundred more have been conferred. On the graduate level, courses are offered leading to the degrees of Master of Science and Doctor of Philosophy.

The School of Chemical Engineering provides excellent training for the four hundred undergraduates in that field and offers many courses required by the curricula of other schools. 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.

PAUL WEBER, Ph.D. . . . . . . . . . . . . . . Professor
Director of School

J. M. DALLAVALLE, Ph.D. . . . . . . . . . . . . Professor

W. M. NEWTON, Ph.D. . . . . . . . . . . . . . Professor

R. J. RAUDEBAUGH, Ph.D. . . . . . . . . . . Professor

W. T. ZIEGLER, Ph.D. . . . . . . . . . . . . . Professor

H. C. LEWIS, Ph.D. . . . . . . . . . . . . . . . Associate Professor

NATHAN SUGARMAN, Ph.D. . . . . . . . . . . Associate Professor

H. V. GRUBB, Ph.D. . . . . . . . . . . . . . . . Assistant Professor

R. N. MILLER, Ph.D. . . . . . . . . . . . . . . . Assistant Professor

C. A. MAYES . . . . . . . . . . . . . . . . . . . Mechanic

MRS. E. K. BROWNING . . . . . . . . . . . . . Secretary
CHEMISTRY

The School of Chemistry at Georgia Tech instructs all freshmen in the basic course in general chemistry and in addition serves several Schools of Engineering by offering more advanced courses and laboratories required by their courses of study.

The school offers a curriculum leading to the Bachelor of Science in Chemistry and graduate courses leading to the Master of Science degree. It is on the accredited list of the American Chemical Society, and many of its graduates have continued in graduate work and now hold the Ph.D. degree.

PAUL K. CALAWAY, B.A., M.S., Ph.D. Professor
HARRY L. EDWARDS, B.A., M.S., Ph.D. Professor
WILLIAM M. SPICER, B.S., Ph.D. Professor
WILLIAM S. TAYLOR, A.B., Ph.D. Professor
WYATT C. WHITLEY, B.S., M.S., Ph.D. Professor
BENJAMIN B. WROTH, A.B., Ph.D. Professor
WILLIAM H. EBERHARDT, A.B., Ph.D. Associate Professor
LOYD D. FRASHER, B.A., Ph.D. Associate Professor
ERLING GROVENSTEIN, B.S., Ph.D. Associate Professor
JACK S. HINE, B.S., Ph.D. Associate Professor
R. FRED SESSIONS, A.B., M.S., Ph.D. Associate Professor
JAMES A. STANFIELD, B.S., M.S., Ph.D. Associate Professor
ALLAN C. TOPP, B.S., M.S., Ph.D. Associate Professor
WALTER H. BURROWS, A.B., M.S. Assistant Professor
JAMES K. GLADDEN, B.S., M.S. Assistant Professor
NORMAN H. HORTON, B.S., M.S. Assistant Professor
JAMES A. KNIGHT, JR., B.S., M.S., Ph.D. Assistant Professor
JAMES T. W. ROSS, B.S., M.S. Assistant Professor
HARRY K. GRANT Machinist
MRS. NELLE M. THIBADEAU Laboratory Stores
MARY NELLE FLEMING Secretary
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.
INDUSTRIAL ENGINEERING

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.

Industrial Engineering coordinates men, materials, machines and methods to solve problems of conversion, transformation and fabrication of raw materials into products of industry. In addition to having interests and abilities along this line, an industrial engineer must possess the personality and character necessary to work with and direct others in the operation of manufacturing enterprises.

To meet the need of industry for this new type of engineer, the School of Industrial Engineering was formed. The first degree of Bachelor of Industrial Engineering was awarded in 1946. Now the enrollment of the school is over five hundred.

FRANK F. GROSECLOSE, B.S., M.S. . . . . . . . Professor
Director of School

JOHN M. AVENT, M.E., A.E., M.A. . . . Professor (on leave)

WILLIAM N. COX, JR., B.S., M.M.E . . . . . Professor

DONALD B. WILCOX, B.S., M.S. . . . . . . . Professor

ROBERT M. EASTMAN, A.B., M.S. . . . Associate Professor

ROBERT N. LEHRER, B.S., M.S., Ph.D. . . . Associate Professor

JOSEPH J. MODER, B.S., M.S., Ph.D. . . . Associate Professor

RAYMOND N. TROWBRIDGE, B.S., M.A. . . . Associate Professor

HARWELL L. BOYD, JR., B.S., M.S. . . Assistant Professor (on leave)

CHARLES W. BRENNAN, B.S., M.B.A. . . . Assistant Professor

W. DALE JONES, B.S., M.S. . . . . Assistant Professor (on leave)

WINFIELD A. BROOKS, B.S., M.S. . . . . Instructor

JAMES M. GALLEY, B.S. . . . . . . . Instructor

ROBERT E. PICKETT, B.S. . . . . . . . Instructor

JAMES E. SCOTT, B.S. . . . . . . . Instructor

JOSEPH A. TOLBERT, JR., B.S. . . . . . . . Instructor

JOHN B. DAY, B.S. . . . . . . . . Lecturer

LEFT TO RIGHT, FIRST ROW: Day, Wilcox, Groseclose, Cox, Lehrer . . .
SECOND ROW: Pickett, Eastman, Brooks, Galey . . . THIRD ROW: Brennan, Moder, Scott, Tolbert, Trowbridge.
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 version 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 from the original one, largely of vocational nature, to the present curriculum in which broad application of engineering 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. Courses of cultural and humanitarian aspects are included as a necessary part of a curriculum designed to provide the basis for future advancement of mechanical engineering graduates as professional engineers and as citizens.
The School of Physics at Georgia Tech offers training leading to either a bachelor's degree or a master's degree. The last few decades have seen a spectacular development of physics in the field of nuclear energy, and an ever-increasing complexity in industrial and military equipment. The changes call for the education of more physicists and for the education of engineers with more fundamental training in physics.

A thorough foundation of physics is particularly necessary for engineers who wish to specialize in development and research work. To meet these needs, the course of study in physics has been designed to give a thorough fundamental training with considerable emphasis placed on the industrial applications of physics. Flexibility in the undergraduate schedule makes it possible to obtain a bachelor's degree both in physics and in some specialized branch of engineering in five years.

JOSEPH H. HOWEY, Ph.D.         Professor  
Director of School  

EARL E. BORTELL, B.S., M.S.    Associate Professor  
VERNON CRAWFORD, Ph.D.        Associate Professor  
WALTER P. EWALT, B.S., M.S.    Associate Professor  
HAROLD M. HERRMAN, A.B., M.A.  Associate Professor  
EDWARD T. PROSSER, A.B., M.A.  Associate Professor  
J. ELMER RHODES, Ph.D.         Associate Professor  
L. DAVID WYLY, Ph.D.           Associate Professor  
CHARLES H. BRADEN, Ph.D.       Assistant Professor  
ANDREW E. McARTHUR, B.S., M.S. Assistant Professor  
MARTIN L. MEEKS, Ph.D.         Assistant Professor  
CHARLES W. TOPE, A.B., M.S.    Assistant Professor  
OSCAR B. WINK, B.S., M.S.      Assistant Professor  
AXEL MEYER, B.S.               Instructor  
BERRY PYRON, B.S.              Instructor  
ROBERT E. ANDERSON             Shop Mechanic  
CHARLES H. BRADEN, Ph.D.       Assistant Professor  

MRS. ALICE MCSLOY               Secretary
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 numerous 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 three options leading to the degree of Bachelor of Science in Textile Engineering. The student may choose Textile Engineering, Textile Chemistry and Dyeing, or Textile Manufacturing as his field of specialization. Courses are also offered leading to the degree of Master of Science in Textiles.

It is the purpose of the School to continue serving the expanding textile industry and giving each student the advantages of the best training possible to fit him for a place of leadership in community and industry.

Herbert A. Dickert, A.B., M.A. . . . . . . Professor
Charles A. Jones, B.S. . . . . . . . . . . Professor
James L. Taylor, Ph.D. . . . . . . . . . . Professor
Ralph L. Hill, B.S., M.S. . . . . . . . . . . Associate Professor
Gerald B. Fletcher, B.S. . . . . . . . . . . Associate Professor
Walter C. Carter, Ph.D. . . . . . . . . . . Assistant Professor
J. W. McCarty, B.S., M.S. . . . . . . . . . . Assistant Professor
Richard L. Hearn, B.S. . . . . . . . . . . Instructor
James MacDonald, Jr., B.S. . . . . . . . . . . Instructor
J. R. Brandon, B.C.S. . . . . . . . . . . Supervisor of Weaving
D. E. Philpott . . . . . . . . . . Supervisor of Knitting
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.

William B. Johns, Jr.
Head of Department

Bryan L. Brown, In Charge of Drawing
Frank Bogle
Francis C. Bragg
Francis M. Hill
Roy K. Jacobs
Joseph C. Durden, Jr.
Ismael L. Ellis
Mark P. Harris
Knowles H. Henley
Jakob Mandelker
William B. Ratterree
Frank M. Rowan
Harry C. Savage, Jr.
James H. Armstrong
James H. Whitfield
William B. Clement
J. P. Edgerly
William J. Larson
Vivian Thomas Nash

LEFT TO RIGHT, FIRST ROW: Larson, Clement, Johns, Savage, Mandelker, Brown.
SECOND ROW: Ellis, Hill, Durden, Jacobs, Armstrong, Bogle.
THIRD ROW: Whitfield, Harris, Ratterree, Bragg, Edgerly.
The English Department is one of the largest and oldest departments on the campus. Its twenty-six members have taught at Georgia Tech a total of more than two hundred years, and in college for a total of more than four 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.
The Department of Mathematics provides instruction in the subject that is the basic foundation of an engineering education. Two years of mathematics is required by every school of engineering and each quarter nearly two thousand students schedule courses in this department. In addition to the basic there are offered many excellent advanced courses that are offered at a few other schools in the South. With a thorough grounding in algebra, trigonometry, analytic geometry, calculus and differential equations, the engineering student will be able to do a better job in his professional subjects as well as in his work after graduation.

The problem of finding teaching personnel has been solved to a great degree by selecting specially able undergraduate and graduate students. These men have proved quite conclusively that the training they received was of a high caliber by their excellent performance.

HERMAN K. FULMER, B.S., M.A. Professor
ALSON H. BAILEY, Ph.D. Professor
WALTER REYNOLDS, B.S., M.S. Professor
DAVID M. SMITH, Ph.D. Professor
JOHN C. CURRIE, Ph.D. Associate Professor
CHANDLER H. HOLTON, B.A., M.A. Associate Professor
CLARKE W. HOOK, A.B., M.A. Associate Professor
IRWIN E. PERLIN, Ph.D. Associate Professor
MARVIN B. SLEDD, A.B., M.S. Associate Professor
AUSTIN L. STARRETT, A.B., A.M. Associate Professor
JAMES C. BROOKS, B.S., M.A. Assistant Professor
LEONARD R. DANIEL, B.S. Assistant Professor
ARTHUR E. FULTON, B.S., M.S. Assistant Professor
JAMES R. GARRETT, Ph.D. Assistant Professor
W. VINCENT NEBBIUS, B.S., M.S. Assistant Professor
C. ROBERT SWENSON, B.S., M.A. Assistant Professor
JOHN R. VAIL, B.S., M.A. Assistant Professor
JAMES H. WAHAB, Ph.D. Assistant Professor
RALPH A. WILLOUGHBY, Ph.D. Assistant Professor
GUY A. YORK, A.B., M.A. Assistant Professor
LUTHER A. BEALE, B.S. Instructor
FRANK BECKUM, B.S. Instructor
HOWARD L. DURHAM, B.S. Instructor
COLBERT T. PURVIS, B.S., M.S. Instructor

LEFT TO RIGHT, FIRST ROW: Hook, Currie, Reynolds, Fulmer, Smith, Perlin. . . .
SECOND ROW: Holton, Nebris, Bailey, Vail, Garrett, Purvis. . . . THIRD ROW:
Fulton, Beckum, York, Martin, Swenson. . . . FOURTH ROW: Beale, Brooks,
Durham, Willoughby, Sledd, Starrett.
MODERN LANGUAGES

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.

In addition to conventional methods, the instruction of the department is supplemented by regular work in its sound room. This laboratory, with a collection of recordings and containing instruction tables equipped with headphones, enables the department to make available to its students the most recent oral-aural methods of foreign language instruction.

ROBERT M. ERVIN, A.B., M.A. 
Professor
Head of Department
JOSEPH A. CAMPOAMOR, A.B., M.A., LL.B. 
Associate Professor
GEORGE F. WALKER, B.S., A.B., M.A. 
Associate Professor
JAMES D. WRIGHT, A.B., M.A., Ph.D. 
Associate Professor
FLAVIO E. BENDIX, A.B. 
Special Lecturer
JOHN P. COCHRAN 
Secretary

SOCIAL SCIENCES

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, B.A., M.S. 
Assistant Professor
GEORGE HENDRICKS, A.B., A.M. 
Assistant Professor
RICHARD H. LEACH, Ph.D. 
Assistant Professor
L. MALCOLM MCAFEE, A.B., B.D., M.A. 
Assistant Professor
ROBERT SCHARF, Ph.D. 
Assistant Professor
PAUL T. EATON, Ph.D. 
Lecturer
IMOGENE R. FRAZIER 
Secretary
FREDERIC R. LANOUX, M.Ed. 
Associate Professor

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

Strength of body and mind are closely correlated. To condition the body of the student during the years of study, the Department of Physical Training presents two years of courses leading to well-rounded muscular development.

ROY M. MUNDORFF, B.S.  Professor
Arthur M. Coleman  Professor
Lyde B. Wels, M.Ed.  Associate Professor
Frederic E. Lanoile, M.Ed.  Associate Professor
Norris C. Dean, B.S.  Assistant Professor
John C. Hyder, B.S.  Assistant Professor
Julian H. Pittard, B.S.  Assistant Professor
Warren E. Neiger, B.S.  Instructor
James H. McAuley, B.S.  Instructor
Tommy Plaxico, B.S.  Instructor

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.

Hugh A. Wyckoff, M.S.  Professor
Robert S. Ingols, Ph.D.  Associate Professor
Albert E. Cannon, M.S.  Associate Professor
Harold 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
Albert S. Glickman, B.A., M.A.  Assistant Professor
Edward H. Loveland, B.S.  Instructor
James M. Richards, B.S., M.S.  Instructor
Sidney Q. Janus, Ph.D.  Lecturer
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
Professor of Air Science and Tactics
Commandant

JASPER G. KNOLL, Major, USAF
DONALD E. DANO, Captain, USAF
CURTIS B. GODWIN, Captain, USAF
FOREST O. MCCLURE, Jr., Captain, USAF
ROBERT L. MITCHELL, Captain, USAF
GEORGE R. SHIVELY, Captain, USAF
ODE E. LAWRENCE, 1st Lt., USAF
KENNETH K. WILCOX, 1st Lt., USAF
WILLIS D. FRIESTEDT, M/Sgt.
ARCHIE E. HALCOMBE, T/Sgt.
HUBERT B. HINTON, M/Sgt.
GENE N. METCALF, M/Sgt.
LEVI P. MULLINS, M/Sgt.
GERALD H. PARKER, T/Sgt.
WOODROW SPREADLIN, T/Sgt.
EDWARD J. URBASCHAK, M/Sgt.

Ass't. PAS&T
Ass't. PAS&T
Ass't. PAS&T
Ass't. PAS&T
Ass't. PAS&T
Ass't. PAS&T
Ass't. PAS&T
Sergeant Major
Instructor
Instructor
Instructor
Instructor
Supply Sergeant
Ass't. Sergeant Major
Instructor
Instructor

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 Department, 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.
NAVAL R. O. T. C.

During World War II, graduates of the Georgia Tech NROTC formed a vital part of the officer structure of the Navy. Many of them entered the Navy as Ensigns and ended the war as Commanders, commanding destroyers and submarines. Legislation has been enacted which will provide a greater number of officers trained by civilian institutions for the Regular Navy and Naval Reserve than in the prewar program.

The NROTC is composed of three types of students: Regular, Contract, and Naval Science.

Hugh J. Martin, Captain, U. S. Navy . . Professor of Naval Science
Commandant
James L. Edwards, Commander, U. S. Navy . . Executive Officer
James P. Prowell, Lt. Col., USMC . . . . Assistant PNS
McMillan H. Johnson, Lt. Cmdr., USNR . . Assistant PNS
Jonus W. Purcell, Lt. Cmdr., USN . . . . Assistant PNS
Leslie W. Bolon, Lt. Cmdr., USNR . . . . Assistant PNS
William D. Taylor, Lt., USNR . . . . Assistant PNS
Jesse B. Cobb, Lt., USN . . . . Assistant PNS
John H. Boelens, Lt., USN . . . . Assistant PNS
George W. Ducharme . . . . Chief Quartermaster, USN
Hazen C. Fish . . . . Chief Gunner's Mate, USN
William F. Meyers, Jr. . . Chief Firecontrolman, USN
William M. Knight . . . . Electronics Technician 1st Class, USN
Guy D. Mullins . . . . Chief Yeoman, USN
Marion L. Hendrick . . . . Chief Storekeeper, USN
Charles C. Geiger . . . . Master Sergeant, USMC
Margaret L. Chone . . . . Secretary
Flora G. Comins . . . . Secretary

Left to right, first row: Taylor, Bolon, Purcell, Prowell, Martin, Plage, Johnson, Boelens, Cobb. . . . second row: Ducharme, Vick, Hendrick, Fish, Meyers, Knight.