Published by the students of the
GEORGIA SCHOOL OF TECHNOLOGY
THROUGH the Guggenheim Foundation the Aeronautics Department was founded at the Georgia School of Technology. This 1931 Blue Print is dedicated to the memory of Daniel Guggenheim, who founded the Guggenheim Foundation for the advancement of Aeronautics.
FOREWORD

THIS BOOK has one object in view—that of preserving, for the years to come, an authentic record of the campus life during the school year of 1930 and 1931. Should the reader be able to open this volume in the later years of his life, and relive the scenes and incidents presented here, our efforts will not have been in vain.

CONTENTS

Book I — College
Book II — Classes
Book III — Activities
Book IV — Athletics
Book V — Fraternities
Book VI — Evening School
Book VII — Features
THEME

With the addition of the Aeronautics Department, the Board of Editors of this publication thought the allegorical presentation of aviation, and a modern treatment of the material contained in this volume, would best set forth the activities of this school year as they occurred.

The art work is something distinctly different—ranging from single-line pen and ink sketches, to wash drawings done in crayon. The attempt has been made to make this book as direct and true as it could possibly be made. We want this volume to be light and airy, rather than stiff and formal.

Each part of the volume which is called a Book is complete in itself, and is intended to give that effect to the reader.
With the passing of time views are blurred and memories are dimmed. It is difficult to call to mind those scenes, and those men who were so familiar during college days.
ADMINISTRATION
THE founders of the GEORGIA SCHOOL OF TECHNOLOGY hoped and believed that the men, trained here, would be leaders in developing the resources of the State and Nation. In reviewing the work of our Alumni, we find that those limits have been extended beyond our own country, and that the sons of GEORGIA TECH are in foreign lands as well. We have pardonable pride in their achievements, and are certain that we shall not be disappointed in the men of the CLASS of 1931.

M. L. Brittain

President.
ONE of the first things the student, upon entering Georgia Tech, learns is that Dean Field fulfills his post as a fair, square man; from whom the student may be assured of a fair deal during his four years of work.

To meet the requirements as Dean of Men requires a man who thoroughly understands students, their trials and their problems—Georgia Tech has found this man in Dean Field. On his shoulders rests the harmony between the students and the faculty.

THROUGH the discerning management of Mr. Houston, as Treasurer, the school has been placed on an efficient and economical basis. The care of fees, upkeep of buildings and dormitories, dining hall, payments of salaries, and many other duties come under Mr. Houston’s jurisdiction. This office is accountable for the administration, upkeep, and financing of this institution.
ENTRUSTED to the Registrar is the investigation of prospective students of Georgia Tech, and the keeping of the records of their courses and grades after the students have been accepted, and begin their lives as Georgia Tech students.

Through the efforts of Mr. Caldwell, a system of maintaining these files of records has been incorporated which has been used as standard practices by the American Association of Collegiate Registrars, of which Mr. Caldwell is a member.

ARTHUR VAN HENRY
Cer.E., Ph.D.
Head of the Department of Ceramic Engineering

With a rapidly growing reputation the Department of Ceramic Engineering has become the recognized leader of this field in the South. By establishing this department in 1924 Georgia Tech showed the progressive spirit for which this institution is noted.

Under Dr. Henry the course in Ceramic Engineering takes up the study of the principles of ceramic materials along with a practical knowledge of manufacturing and designing of ceramic products; supplemented by research, laboratory work, and tours to the different factories producing tile, pottery, and other kindred substances.

HAROLD BUSH-BROWN
M.Arch.
Head of the Department of Architecture

The Department of Architecture has as its objective the training of men in the principles of design and construction. For twenty-two years this department has earnestly endeavored to teach the professional side of its work as well as the essentials of a liberal education. The four-year course has become, under Professor Bush-Brown and his associates, one which ranks as the finest course in Architecture in the South.

The courses offered are those which are of the most interesting type in the field of Architecture. The degree of Bachelor of Science in Architecture is one of which a student may be justly proud.

GILBERT HILLHOUSE BOOGS
Ph.D.
Head of the Department of Chemistry

The degree conferred by this department is that of Bachelor of Science in Engineering Chemistry. Because of the basic work required by other branches of engineering, in the subject of Chemistry, this department is one of great importance at Georgia Tech.

With the guidance of Dr. Boggs, the department has grown to be one of the best equipped. To aid him he has had an able corps of associates who are making the degree from this department one with a national reputation.
THE student who graduates with the degree of Bachelor of Science in Civil Engineering finds many fields open to him, among them: Construction, Highway Engineering, Railroad Engineering, and any other number of allied fields.

Dr. Snow as head of this department and his associates make this course one of the most practical offered, for the student upon receiving his degree finds his course one he is ready to use. The department has kept apace with the times by broadening its scope of subjects belonging to the Civil Engineering field.

THE methods of studying business in its various forms have been changed from the old methods of apprenticeship, to the studying of the types of business fields, in our colleges and universities. The School of Commerce has the aim of showing to the students of this branch of Science the various business fields; such as, sales management, finance, accounting, advertising, merchandising, and journalism.

Dean Noel and the members of the faculty of the School of Commerce, know the practical side of business as well as the theory, and combine these in such a way as to afford the graduate a well rounded knowledge of business organization in all its forms.

In the modern age oftentimes referred to as the machine age, there is very little wonder that a larger and larger percentage of students are taking degrees in Electrical Engineering. Modern science demands a knowledge of electricity and electrical appliances. Not only does this course teach the student to control electricity, but wish it is included a study of Construction Materials, Steam Engineering, and Mechanics.

Under the guidance of Professor Fitzgerald, laboratory courses are given so that the theory may be applied under careful observation. Tests are made that are beneficial to the finished Engineer.
WITH the advent of the combustion engine the very fabric of Commerce was changed. With this change it was no more than natural for youth of the day to respond to its gigantic possibilities. Professor King has rounded out a well co-ordinated Department which equips the student with a competent knowledge of mechanics and how they may be applied to mechanical modern world.

The student has the option of diverting his studies toward Automotive Engineering, Power Plant Engineering, Industrial Engineering, or Regular Mechanical Engineering. All of these lead to a degree of Bachelor of Science in Mechanical Engineering.

THE Summer School performs a two-fold purpose; first, it helps the prospective Freshman make up the required work for entrance, and second, it enables men to make up work and to take a full time schedule at all times.

Dr. Morton is a wizard at the art of applying the necessary medicine to sick schedules in his Summer infirmary. Much of the success of this part of Tech is due to his efforts.

WITH the trend of modern day business to move production to the source of supply the Southern States are increasing their number of spindles. The A. French Textile School, with the perfection of fabrics and methods in the Textile industry, also advances and the Textile Engineer is given a thorough course not only in the dealing with the use of cotton for rough cloth, but as it is used in Rayon, and other special fabrics as they are perfected. Practical work on modern machinery equips the graduate to take his place in the Textile world with a knowledge of its actual workings.

Professor Busby offers a four year course leading to a Bachelor of Science degree, and a special two-year certificate course.

WHEN the Guggenheim Foundation founded the new Department of Aeronautical Engineering at Georgia Tech, it placed this institution in an enviable position, as an engineering school. The requirements for entrance to this department are two years of Mechanical Engineering, then followed by an exhaustive study of aero-dynamics, and the principles of design and mechanics of aviation.

The degree which is gained by the students of this branch of Science is Bachelor of Science in Aeronautical Engineering. This is one of the most attractive courses offered at Georgia Tech.
OFFICERS OF ADMINISTRATION

Marion Luther Brittain, A.B., LL.D. ........................................ President
William Vernon Skiles, B.S., A.M., Sc.D. .................................. Dean
Hugh Harris Caldwell, A.B. .................................................... Registrar and Secretary
Frank King Houston, C.P.A. .................................................. Secretary and Treasurer
Arthur Hammond Armstrong, B.A., M.A. ................................. Superintendent of Dormitories
Harold Jones ............................................................................ Commandant, U. S. N., Commandant
Olin H. Longino ......................................................................... Major, Coast Artillery Corps, U. S. A., Commandant
Henry M. McGhee, M.D. .......................................................... Surgeon
Allan Benton Morton, M.A., Sc.D. ............................................ Dean of the Summer School
Roger Sheppard Howell, B.S. in M.E., M.Sc. ............................... Director of the Evening School of Applied Science
Floyd Field, A.B., A.M. ................................................................ Dean of Men
George McIntosh Sparks, M.A. .................................................. Director of the Evening School of Commerce
Harriet Perry Sparks ................................................................. Secretary to the President
Mrs. William Reid Taylor ......................................................... Secretary to the Committee

Board of Trustees

John W. Grant, Chairman
L. W. Robert, Jr., Chairman Executive Committee
N. P. Pratt
E. B. Hodgson
George H. Carswell
G. M. Stout
S. H. Shirley
James B. Nevin, Ex-Officio
L. G. Hardman, Gov. of Ga., Ex-Officio

M. L. Brittain, A.B., LL.D. ......................................................... President

Architecture

Harold Bush-Brown, M.Arch., M.S. in Arch. .................................... President
J. H. Galley, M.S. in Arch. .......................................................... Dean of the College of Architecture
Richard T. Morena, B. Arch. ..................................................... Director of the Evening School of Architecture
George E. R. Hodgson .............................................................. Director of the Evening School of Engineering
J. C. Pearson, M. Arch. ............................................................. Director of the Evening School of Business Administration
M. L. Robb .................................................................................. Student Assistant
H. G. Law .................................................................................... Student Assistant

Aeronautics

Montgomery Knight, B.S. in E.E. .............................................. President
Thomas C. Moore, B.S. in M.E. ................................................ Director of the Evening School of Aeronautics
Hugh A. Wyckoff, B.S. .............................................................. Director of the Evening School of Aeronautics
B.S., Missouri Wesleyan; M.S., University of Chicago; Sigma Xi; Theta Chi Delta
Emory G. Lowr, A.B. ............................................................... Director of the Evening School of Aeronautics
Missouri Wesleyan College

Biology and Bacteriology

H. S. Emerson, B.S. ................................................................. President
Thomas C. Moore, B.S. .............................................................. Director of the Evening School of Biology
H. S. Emerson, B.S. ................................................................. Director of the Evening School of Bacteriology

Chemistry

Gilbert H. Boggs, Ph.D., B.S., University of Georgia; B.S., University of Pennsylvania; Phi Beta Kappa; Phi Kappa Phi; Sigma Xi; Member of Georgia Academy of Science
J. H. Galley, M.S. in Arch. .......................................................... Dean of the College of Chemistry
Richard T. Morena, B. Arch. ..................................................... Director of the Evening School of Chemistry
Louis F. Wray, M.D. ................................................................. Director of the Evening School of Chemistry

Ceramics

Arthur Van Havy, B.S., Cer.E., M.S., University of Georgia; Sigma Xi; Theta Chi Delta; B.A., Georgia Tech; M.S., University of Illinois
James P. Breen, B.S. ................................................................. Director of the Evening School of Ceramics

Graduate Student Instructor

W. B. Livermore
Graduate Student Instructor

Charles L. Harmon
Graduate Student Instructor

Ralph Hill
Graduate Student Instructor
Civil Engineering

F. G. Snow, C.E., S.C.D.
C.E., Ohio State University; S.C.D., University of Georgia; A. I. E. E.; A. C. E., A. M. A. E.; Pi Kappa Alpha; Tau Beta Pi; Square and Compass.

Jack Morgan Smith, M.S. in C.E.
University of Wisconsin; Iowa State College; M.S. in C.E.; Georgia Tech.

RALPH P. BLACK, M.S.
University of the South; Graduate Work, Columbia; M.S., Georgia Tech; Delta Tau Delta.

J. H. Lucas, B.S.
B.S. in C.E., M.S. in GE., Georgia School of Technology; Square and Compass.

Kenneth Thrash, B.S.
M.S. in C.E., Georgia Tech.

Commercial

THOMAS W. NOEL, M.B.A., C.P.A.
A.B., Grand Island College; M.B.A., New York University; Alpha Kappa Psi; Tau Beta Pi; Square and Compass.

FRANK B. WENN, B.C.S.
B.S.C., New York University; Kansas State University; Delta Tau Delta; Delta Mu Delta; Delta Sigma Phi; Alpha Delta Sigma.

HUBERT JOHN W. JEFFERIES, B.S.
B.S., University of Tennessee; M.B.A., Northwestern University; Theta Chi; Dean of Men.

EARL S. GARDNER, M.B.A., C.P.A.
A.B., A.M., Vanderbilt University.

LYTTEN B. PERKINS, B.S., M.A.
B.S., Clemson College; M.A., University of North Carolina.

History and Economics

ARTHUR H. ARMSTRONG, M.A.
A.B., Yale University; M.A., Columbia University; Beta Theta Pi; Pi Delta Epsilon.

R. E. C kale, A.B.
A.B., Emory University; Sigma Chi.

J. W. WALLACE, A.B.
A.B., University of Richmond; M.A., University of Virginia.

EARL S. GARDNER, M.A.
B.A., University of Pennsylvania; M.A., Emory University.

ROBERT EVANS SHEPPARD, M.B.A.
A.B., M.A., Vanderbilt University.

LUTYEN B. PERKINS, B.S., M.A.
B.S., Clemson College; M.A., University of North Carolina.

Experimental Engineering

HOWARD W. MASON, M.S. in M.E.
University of Idaho; Tau Beta Pi; Pi Lambda Delta.

R. S. HOWELL, M.S. in M.E.
Georgia School of Technology; Pi Kappa Phi. A. D. P. H. CUMMINGS, B.S. in Eng.

Georgia School of Technology; Scabbard and Blade; Pi Lambda Delta.

R. A. TROTTER, B.S. in M.E.
M.S. in M.E., University of Wisconsin. T. F. DECAPITO Student Assistant D. R. MCMILLIAN Student Assistant

Geology and Metallurgy

COUNT D. GIBSON, Ph.D., M.S., M.S. in C.E.
Emory University; Delta Tau Delta.

Industrial Education

THOMAS H. QUIGLEY, A.B., B.S.
A.B., Willamette University; A.B., Harvard University; Theta Chi; Dean of Men.

RAY G. SAWYER, B.S. in Educ.
John Milikin University.

Machine Design

C. E. COOLIDGE, Ph.B.
B.B., Yale; Tau Beta Pi; Delta Sigma Phi; Scabbard and Blade.

W. B. JOHNS, Jr., B.S. in Eng.
Georgia School of Technology; Pi Kappa Phi; Square and Compass.

H. H. LEACH, B.S. in Eng.
Georgia School of Technology.

HOMER D. WHEELOCK, B.S. in M.E.
Georgia School of Technology; Pi Kappa Phi; Square and Compass.

James McCay, B.S.
B.S., M.E. in Eng.

J. P. KENNEDY, Jr., B.S. in M.E.
Georgia Tech.

PHIL R. NAMORHE, B.S. in Eng.
Georgia Tech; Beta Theta Pi; Pi Delta Epsilon.

FRANCIS M. HILL, B.S. in Gen. Eng.
Georgia Tech.

S. T. BOROM Student Assistant R. D. MOHL Student Assistant H. G. SACK Student Assistant GORDON CAMPBELL Student Assistant

Mathematics

FLOYD FIELD, A.M.
A.B., Willamette University; A.B., Harvard University; Theta Chi; Delta Mu.

W. VERNON SMILES, S.D.
R.S., University of Chicago; S.D., A.M., Harvard University; Beta Theta Pi; Phi Kappa Psi; Phi Beta Kappa; Member Georgia Academy of Science.

A. B. MORTON, S.D.
Brown University; University of Georgia; Phi Kappa Phi; Member Georgia Academy of Science.

DAVID M. SMITH, Ph.D.
B.A., M.A., Vanderbilt University; Ph.D., University of Chicago; Delta Mu Delta; Sigma Epilson; Phi Kappa Psi.

COOPERATIVE ENGINEERING

JAMES E. McDaniel, M.A.
A.B., Erskine College; M.A., Columbia University; Graduate Work, Harvard U.; University of Berlin; Delta Theta Pi; Phi Kappa Phi.


Electrical Engineering

THOMAS W. FITZGERALD, M.S., M.E., E.E.
Diploma, Marshall College; B.S., M.E., E.E., M.S., Emory; West Virginia University; University of Arizona; High Tension Club; American Association of University Professors; Phi Kappa Phi; Tau Beta Pi; Ga. Academy of Science.

THOMAS G. SHERRILL, B.S. in E.E., E.E.
Georgia Tech; Phi Kappa Phi; American Physics Society; Philosophical Society of Washington.

D. P. SAVANT, E.E., M.S. in E.E.
E.E., Rose Polytechnic Institute; M.S. in E.E., Harvard University; Phi Kappa Phi.

JAMES L. ELLE, M.S. in E.E.
Georgia School of Technology; Pi Kappa Phi.

H. B. DELING, M.S. in E.E.
University of West Virginia; Phi Sigma Kappa; M.S. in E.E.; Georgia Tech.

ASHFORD W. STALNAKER, M.S.
Vanderbilt University; A.B., A.M., Vanderbilt University.

ROBERT EVANS SHEPPARD, M.B.A.
A.B., M.A., Vanderbilt University.

LUTYEN B. PERKINS, B.S., M.A.
B.S., Clemson College; M.A., University of North Carolina.

English Department

W. C. PERRY, D.Lit.
A.B., A.M., D.Litt., Davidson College; Kappa Alpha; Phi Kappa Phi; Phi Beta Kappa.

FRANK R. READ, Ph.D.
University of Virginia; Phi Sigma Sigma; Phi Beta Kappa; Phi Kappa Phi.

LOTT W. CHAPIN, M.A.
Emory University; Kappa Alpha; M.A., Harvard.

EDWIN H. FISH, JR., A.M.
A.B., A.M., University of South Carolina; A.M., Princeton University.

Taylor W. L. J. Brown, M.A.
Southern Methodist University; University of North Carolina. A. J. WALKER, A.B., Emory University; Sigma Chi.

HAL C. BROWN, M.A.
H. M. WALDREMA, M.A.
B.A., University of Richmond; M.A., University of Virginia.

E. R. TAYE Student Assistant

Count D. Gibson, Ph.D., M.S., M.S. in C.E.
Emory University; Delta Tau Delta.

FACULTY
A.B., Ursinus; A.M., University of Chicago; Phi Kappa Phi.
Roy M. Munden, B.S., Pennsylvania State College; Graduate Work, University of Pennsylvania; Phi Gamma Delta.
Herman K. Fulmer, M.A.
B.S., University of Mississippi; M.A., Columbia University.
James E. Stengel, A.B.
Princeton University; Phi Beta Kappa.

WALTER REYNOLDS, JR., B.S., Ursinnus; A.M., University of Chicago; Emory University; Duke University.

RAIFORD O. M. HARRELSON, B.S., Ohio State University; M.Sc., University of Illinois; Harvard.

H. A. Thompson, Foreman of Smith Shop
William Van Houten, Foreman of Foundry
J. H. Henika, Foreman of the Wood Shop
H. H. Norman, Instructor in Wood Shop
J. R. Ackerman, Student Assistant

Modern Language
J. B. Crenshaw, Ph.D.
A.M., Randolph-Macon; Ph.D., Johns Hopkins University; Phi Gamma Delta; Phi Kappa Phi.
George H. McRae, LL.D.
A.B., W. & L. University; Docteur des Lettres, University de Grenoble; Phi Kappa Phi.
J. A. Campion, LL.B.
A.B., M.A., University of Illinois; A.B., Burger, Spain; L.L.B., LaSalle University.

Robert M. Ervin, A.B.
A.B., Center College; University of Toulouse; Phi Kappa Tau; Phi Delta Kappa.
G. M. Wise, A.B.
University of Michigan.
W. H. Bowen, A.M.
A.B., Wesleyan University; A.M., Harvard University; Phi Sigma Iota.
Ruben W. Holland, A.B.
A.B., Emory University; Phi Beta Kappa; Phi Sigma Iota.

Mechanical Engineering
R. S. King, M.E., Sc.D.
M.E., Ohio State University; M.S., University of Minnesota; Sc.D., University of Georgia; Sigma Xi; Phi Kappa Phi.
Wm. V. Donkin, B.S., M.E.
University of Illinois.
Ray M. Matson, B.S. in Eng.
Georgia School of Technology.
Roy L. Swedberg, B.S. in M.E.
University of Illinois.
Newton C. Erbaugh, B.E. in M.E.
Tulane University.
O. M. Harrelson, B.S. in E.E.
Clemson College.

A. A. Coman
Industrial Arts in M.E., Ohio State University; A.S.M.E.
E. F. Martinelli
Foreman of the Machine Shop
John Topham
Instructor, Machine Shop

H. S. Brown, M.E.
Auburn University.

C. A. Jones, B.S. in T.E.
Georgia Tech.

Ralph L. Hill
Assistant Professor
D. E. Philpott
Instructor
J. R. Brandon
Instructor
W. L. Carmichael
Instructor
A. S. Cohen
Instructor
James H. Asbury
Student Assistant

Textile Engineering

T. H. Plummer, M.E.
Auburn University.

C. A. Jones, B.S. in T.E.
Georgia Tech.

Ralph L. Hill
Assistant Professor
D. E. Philpott
Instructor
J. R. Brandon
Instructor
W. L. Carmichael
Instructor
A. S. Cohen
Instructor
James H. Asbury
Student Assistant

Military

Major O. H. Longino
Commandant, Professor M. S. of T.

Major Paul H. French
C. A. C.

Captain John W. Nicholson
Infantry.

Captain Philip R. Taliaferro
C. A. C.

Henry W. Robinson
Captain

John J. Downing
Captain

Harry E. Storms
Captain

Arthur Kay Chambers
Captain C. A. C.

Newton H. Stickland
Captain, Ordnance

FACULTY

ALBERT G. WING
Captain

LLOYD W. GIBBONS
First Lieutenant

THOMAS T. JONES
Master Sergeant

DICK B. WEHR
Master Sergeant

W. H. GODBE
Technical Sergeant

JOSEPH HUBSKA
Sergeant

HERBERT L. ELLIS
Sergeant

Navy

Harold Jones, Commander
U. S. N. Commandant, P. M. S. of T.

William F. Jennings
Lieutenant

George B. Ashee
Lieutenant Commander

Samuel P. Conley
Lieutenant

Allen E. Ashbrook
Lieutenant

Charles M. Furlow, Jr.
Lieutenant, U. S. Navy

Eugene Anheir
Chief Yeoman

E. H. Kinney
Chief Boatswain's Mate

Henry R. Chambers
Chief Gunner's Mate

Thomas A. Howard
Chief Storekeeper