

Commencement

CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA

June 7, 1929, 4:30 o'clock



PROCESSIONAL MARCH—

March from "Aida" *Verdi*
The Institute Orchestra

Invocation

HYMN—"America" *Smith*

Chaplain's Address

THE REV. RAYMOND CUMMINGS BROOKS, D. D.

SONG—"The Bells of St. Mary's" *Adams*
The Institute Glee Club

Address

"THE SCIENTIST AND THE ENGINEER AS CITIZENS"
FRANK BALDWIN JEWETT, Ph.D., Sc.D.

Presentation of Candidates for Degrees

DEAN FREDERIC W. HINRICHS, JR., M.A.

WILLIAM NOBLE LACEY, Ph.D.

Chairman of Committee on Course in Science

ROBERT L. DAUGHERTY, M.E.

Chairman of Committee on Course in Engineering

RICHARD CHASE TOLMAN, Ph.D.

Chairman of Committee on Graduate Courses

Conferring of Degrees

on behalf of the Trustees and Faculty

ROBERT A. MILLIKAN, Ph.D., LL.D., Sc.D.

Chairman of the Executive Council

Announcements

SONG—"Hail C. I. T." *Barnes*

Benediction

POSTLUDE—March from "Carmen" *Bizet*

(The audience will stand during the entry of the Academic Procession, the Invocation, and the singing of "America" and "Hail C. I. T.")

Candidates for Degrees

Doctor of Philosophy

- MIGUEL ANTONIO BASOCO, B.A., University of California; M.S., University of Chicago
- CHARLES ROBERT DAILY, A.B., Colorado College.
- ROBERT TROUTMAN DILLON, B.S. and M.S., California Institute of Technology
- JESSE WILLIAM MUNROE DUMOND, B.S., California Institute of Technology; M.S. in E.E., Union College
- JOHN DYER ELDER, B.S., University of Chicago
- HAakon MUUS EVJEN, E.E., Cornell University; M.S., California Institute of Technology
- CLAUDE DEWAYNE HAYWARD, B.S. and M.S., California Institute of Technology
- WILLIAM BERRARD HINCKE, B.S., University of Illinois
- HOWARD BYINGTON HOLROYD, B.S., Iowa State College
- H. DARWIN KIRSCHMAN, B.S. and M.S., California Institute of Technology
- ROBERT TALBOT KNAPP, B.S., Massachusetts Institute of Technology
- CHARLES CHRISTIAN LAURITSEN, Odense Tekniske Skole
- WILLIAM ABBETT LEWIS, JR., B.S. and M.S., California Institute of Technology
- MORRIS MUSKAT, B.A. and M.A., Ohio State University
- NICOLAS MIKHAILOVICH OBOUKHOFF, University of Moscow; Technological Institute of Kharkov; E.E., Ecole Superieure d'Electricite de Paris
- EMERSON MARTINDALE PUGH, B.S., Carnegie Institute of Technology; M.S., University of Pittsburgh
- DUANE EMERSON ROLLER, B.A. and M.S., University of Oklahoma
- RICHARD MANLIFFE SUTTON, B.S., Haverford College
- ALBERT TITLEBAUM, A.B. and A.M., Columbia University
- WILLY UYTERHOEVEN, C.E., University of Brussels
- RALPH EDGAR WINGER, B.A., Baker University
- WILLIAM GOULD YOUNG, B.A. and M.A., Colorado College

Master of Science

PHYSICS

- THOMAS HENRY BRIGGS, JR., B.S., Wesleyan University
- ROBLEY DUNGLISON EVANS, B.S., California Institute of Technology
- EDWIN MATTISON McMILLAN, B.S., California Institute of Technology

CHEMISTRY

- LEE REED BRANTLEY, A.B., University of California at Los Angeles
- WILLIAM BRADLEY LEWIS, B.A., Williams College

GEOLOGY AND PALEONTOLOGY

- THOMAS CLEMENTS, E.M., University of Texas
- EDWARD CHARLES SANDBERG, B.S., and E.M., Michigan College of Mines
- THOMAS SCOTT SOUTHWICK, B.S., California Institute of Technology

ELECTRICAL ENGINEERING

- GEORGE RICHARD CRANE, B.S., California Institute of Technology
- ANDREW VASILY HAEFF, E. and M.E., Polytechnic Institute of the Special Region of the Eastern Province, China
- ROY FRIEND SLOCUM, B.A., University of Redlands
- KARL MORGAN WOLFE, B.S., West Virginia University

MECHANICAL ENGINEERING

- GUY LEWIS CHILBERG, B.S., California Institute of Technology
- RICHARD GILMAN FOLSOM, B.S., California Institute of Technology
- DOUGLAS GEORGE KINGMAN, B.S., California Institute of Technology
- ALBERT EATON LOMBARD, JR., B.S., California Institute of Technology
- ERNEST EDWIN SECHLER, B.S., California Institute of Technology

CIVIL ENGINEERING

- RALPH WALDO CUTLER, B.S., California Institute of Technology
- FERDINAND GUNNER GRAMATKY, B.S., California Institute of Technology
- KENNETH HALL ROBINSON, B.S., California Institute of Technology
- JOHN EGON SKAFFE, B.S., California Institute of Technology

Bachelor of Science

Science

ISADORE BERMAN	HOMER GORE MCWILLIAMS
WILLIAM WALTER BOOTH	*PHILIP GRIFFIS MURDOCH
*JOHN WARLAUMONT DALY	*ALBERT EDWARD MYERS
*WILLARD ALEXANDER FINDLAY	WADSWORTH EGMONT POHL
KARL ALBERT GANSSLE	RUSSELL WATSON RAITT
MAURICE FRED HASLER	TRUE WILLIAM ROBINSON
DONALD HALL JOHNSON	ALFRED RUMMELSBURG
KENNETH EDWARD KINGMAN	MILTON HEYER SPERLING
KAM HU LAU	JOHN CLARK SUTHERLAND
KENNETH ELMO LOHMAN	GEORGE FREDERIC TAYLOR
*STANLEY WILLIAM LOHMAN	LINTON PAUL EUGENE VON BEROLDINGEN
WALLACE ANGUS McMILLAN	ROBERT JAMES WHITE

Engineering

HARLAN ROBERT ASQUITH	EDSON CHURCHILL LEE
EUGENE ATWATER	LEONID VLADIMIR LEONARD
BILL BAKER	ROLAND WILLIAM LINDHURST
WILBERT WIESE BAUSTIAN	GEORGE SCHILD LUFKIN
WILLIAM LITTEL BERRY	LAURENCE EDWIN LYNN
KNOWLTON ROOT BIRGE	DONALD BOOTH MILLIKEN
CHARLES ASHTON BOSSERMAN	WILLIAM HENRY MOHR
HORACE ALLEN CAMPBELL	MASAHIRO NAGASHI
DONALD SHERMAN CLARK	JOSEPH ALLEN NILES
FREDERICK R. CLINE	THOMAS JEFFERSON NOLAND, JR.
DALLAS E. COLE	HUBERT MAURICE O'HAVER
ALPHONSE CRAMER	SAMUEL OLMAN
*PHILIP CRAVITZ	FIRTH PIERCE
HOWARD GRINDAL DODGE	JOHN CLAY RAPP
JAMES WARING DUNHAM	*ALBERT CLARK REED
ALLEN WINFIELD DUNN	HOMER CHARLES REED
THOMAS FARRER EDSON	*BOLIVAR ROBERTS
JULIUS NELSON ESPINOSA	RICHARD GOEBEL ROFELTY
*THOMAS HAYHURST EVANS	KENNETH FREELS RUSSELL
*SIDNEY THOMAS EXLEY, JR.	KARL FRITZ SCHUMACHER
BEVERLY FRANK FREDENDALL	LESLIE OWEN SCOTT
ALBERT MUNROE GILMORE	JAMES CONRAD SCULLIN
WALTER BERT GRIMES	CLYDE EMERSON SHIELDS
*LAWRENCE J. GRUNDER	MORTON KINGMAN SHIELDS
VIVIAN LYMAN HOLDAWAY	MAURICE HAROLD SINRAM
ERNEST BRANCH HUGG	FRANK WALDEN THOMPSON
HAROLD MILTON HUSTON	ALFRED EDWARD TOWNE
HARRY JAMES KEELING	GEORGE FRANCIS WEISMANN
LEON KIBORT	KARL WILSON WESTLUND
*REYMOND JOHN KIRCHER	FRED ASTON WHEELER
*ANTHONY JAMES LARRECQ	FREDERICK RUSSELL WILSON

*With honor

America

My country! 'tis of thee,
Sweet land of liberty,
Of thee I sing;
Land where my fathers died,
Land of the Pilgrim's pride,
From every mountain side
Let freedom ring.

Our fathers' God to Thee,
Author of Liberty,
To Thee we sing:
Long may our land be bright
With Freedom's holy light;
Protect us by Thy might,
Great God, our King.

—*S. F. Smith*

Hail C. I. T.

In Southern California with grace and splendor bound—
Where the lofty mountain peaks look out to lands beyond,
Proudly stands our Alma Mater, glorious to see.
We raise our voices hailing, hailing, hailing thee:
Echoes ringing while we're singing over land and sea;
The halls of fame ring with thy name, noble C. I. T.

—*Manton M. Barnes, '21*