

# Commencement

1924

California Institute of Technology

Pasadena

# Commencement

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA

June 13, 1924, 4:30 o'clock



PROCESSIONAL MARCH—"Coronation" from "Folkunger" . . . . . *Kretschmer*

OVERTURE—"Mosaic" . . . . . *Seredy*

THE INSTITUTE ORCHESTRA

SONG—"The Pilgrims' Chorus" from "Tannhauser" . . . . . *Wagner*

THE INSTITUTE GLEE CLUB

HYMN—"America" . . . . . *Smith*

## Invocation and Chaplain's Address

REV. BRADFORD LEAVITT

## Addresses

"Necessity's Spur"

HENRY M. ROBINSON

"The Engineer, His Opportunity and His Obligation To Society"

CHARLES E. GRUNSKY, DR. INC.

SONG—"Bells of St. Mary's" . . . . . *A. Emmett Adams*

THE INSTITUTE GLEE CLUB

## Presentation of Candidates for Degrees

DEAN FREDERIC W. HINRICHS, JR.

RICHARD CHACE TOLMAN, PH. D.

## Conferring of Degrees

on behalf of the Trustees and Faculty

ARTHUR A. NOYES, PH. D.

## Announcements

SONG—"Hail C. I. T." . . . . . *Barnes*

## Benediction

# Candidates for Degrees

## Doctor of Philosophy

RICHARD-MCLEAN BADGER, B. S., California Institute of Technology  
ROBERT BIGHAM BRODE, Whitman College  
CARL FERDINAND EYRING, M. A., University of Wisconsin  
CHARLES BOROME0 KAZDA, M. S., University of Chicago  
JEUS RUD NIELSEN, M. A., University of Copenhagen  
RUSSELL MORLEY OTIS, B. S., California Institute of Technology  
REINHARDT SCHUEHMANN, M. A., University of Texas  
SINCLAIR SMITH, B. S., California Institute of Technology  
ERNEST HAYWOOD SWIFT, M. S., California Institute of Technology

## Master of Science

GORDON ALBERT ALLES, B. S., California Institute of Technology  
CHING-YUN CHENG, Graduate of Conservancy Engineering College, Nanking, China  
ARTHUR LOUIS KLEIN, B. S., California Institute of Technology

## Bachelor of Science

### Electrical Engineering

EVERETT DALE BARCUS  
MARTIN LYNN BEESON  
JULE HUBERT COFFEY  
WILLIAM CONKLIN DREYER  
ROY OVID ELMORE  
BORIS ARKADIAVITCH GOLIKOFF  
ALBERT SUMNER GOULD  
LOYS GRISWOLD  
FREDERICK JEREMIAH GROAT  
LAWRENCE WILLIAM HALL  
EARL SPENCER HAYMAN  
WILLIAM LEE HOLLADAY  
HARRY THOMAS HONN  
EMMETT MACDONALD IRWIN  
MAURICE LANDAU  
EDGAR NELSON LAYTON  
CLIFFORD WILLIAM MALBY  
JAMES TIMOTHY MERCEREAU  
ARTHUR FRANKLIN MICHAEL  
CECIL NELSON PARKER  
GEORGE BAGDASAR STONE  
RALPH CHALMERS WILSON

### Mechanical Engineering

KENNETH BRIGGS ANDERSON  
SYDNEY FORD DUNCAN  
CARLTON HERMAN ECKERMANN  
CHARLES LEONARD FORBES  
GEORGE HAROLD HOPKINS

OLIVER WILLIAM KILHAM  
WARREN BURTON LEAVITT  
ORVAL EUGENE LIDDELL  
ROY ELMER MILLER  
JOHN ROBERT STYLES RIDGWAY  
EUGENE WOOD SMITH  
LYMAN PAUL STOKER  
ROBERT MCKENZIE WHITING  
EDGAR ARTHUR WILSON

### Civil Engineering

MORRIS GOLDSMITH  
HOWARD WILLIAM GOODHUE  
HORACE VELSEY GRIDLEY  
FRANK RUSSELL LOVERING  
MAX MOODY  
JOHN WILLIAM PIPER  
HAROLD FRANK POPE  
HAROLD ORMISTON SPRINGER  
HARRY L. WARREN

### Chemistry

WARREN PHELPS BAXTER  
PAUL LAFRONE MAGILL  
JOSEPH EDWARD MAYER  
PALMER MILLER  
WILLIAM HARMON TRACY  
HOWARD MERLIN WINEGARDEN

### Chemical Engineering

HAROLD HURST FARNHAM  
ROBERT CLINTON HASTINGS

ARCHIBALD YULE JAMESON  
VLADIMIR ANATOLE KALICHEVSKY  
HOLLIS WEAVER MOYSE  
DAVID WOLOCHOW

### Physics and Engineering

HAROLD RUDOLPH BECK  
JOHN CARR  
HUGH BARTON FREEMAN  
FRANK DOUGLAS TELLWRIGHT  
SIDNEY WEINBAUM

### Engineering and Economics

ELMER HAROLD GANDY  
LOUIS KIESLING  
THEODORE CHAPIN LOSEY  
EDWARD DATESMAN LOWNES  
MITCHELL CLARK LUKENS  
DONALD FRANCIS MORRELL  
WILLIS LESLIE SQUIERS  
CHARLES FORDHAM STEARNS  
ROLLAND SHIELDS THOMAS  
DAVID ROBERT YOUNG

### General Course

FREDERIC ALLEN HOUGH  
GRANT VINCENT JENKINS  
FREDERICK JAMES MCCLUNG  
ARCHIBALD MCKAIG  
MAURICE BURSK ROSS  
ELMER JOHN WEITEKAMP

## America

My country! 'tis of thee,  
Sweet land of liberty,  
Of thee I sing;  
Land where my fathers died,  
Land of the Pilgrims' 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.*

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## 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 resound thy name, noble C. I. T.

—*Manton M. Barnes, '21.*