

Commencement

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA

June 11, 1937, 4:45 o'clock



PROCESSIONAL MARCH—

"Festival in C"

THE INSTITUTE BAND

Cadman

Presiding

ALLAN C. BALCH

President of the Board of Trustees

Invocation and Chaplain's Address

RABBI EDGAR F. MAGNIN

Address

"THE REALM OF RATIONALITY"

MAX MASON, Ph.D., LL.D., Sc.D.

Vice-Chairman of the Observatory Council

Presentation of Candidates for Degrees

FREDERIC W. HINRICHES, JR., M.A.

Dean of Upper Classmen

WILLIAM VERMILLION HOUSTON, Ph.D.

Member of Committee on Course in Science

HORACE NATHANIEL GILBERT, M.B.A.

Member of Committee on Course in Engineering

RICHARD CHACE TOLMAN, Ph.D.

Dean of the Graduate School

Conferring of Degrees

on behalf of the Trustees and Faculty

WILLIAM BENNETT MUNRO, Ph.D., LL.D., Litt.D.

Member of the Executive Council

Announcements

Benediction

POSTLUDE—"Père de la Victorie"

Jaunne

(The audience will stand for the Academic Procession and the Invocation.)

Candidates for Degrees

Doctor of Philosophy

- CHARLES KIRKWOOD ALEXANDER, A.B., Oberlin College
DAVID FULMER BENDER, B.S., and M.S., California Institute
RICHARD THEOBOLD BRICE, B.S., and M.S., Emory University
WILLIAM GILBERT CLARK, B.A., University of Texas
ROBERT ALMA CLARKE, B.S., and M.S., Brigham Young University
FRANCIS HETTINGER CLAUSER, B.S., and M.S., California Institute
MILTON URE CLAUSER, B.S., and M.S., California Institute
WILLIAM MAURICE COGEN, B.S., and M.S., California Institute
KENNETH CARL CRUMRINE, A.B. and A.M., Kansas University
LEWIS ALEXANDER DELSASSO, A.B., University of California at Los Angeles
RAYMOND HOWARD GRIEST, B.S., and M.S., California Institute
PAUL FREDERICK HAWLEY, B.S., University of Arizona; M.S., California Institute
ARTHUR HEMMENDINGER, B.A., Cornell University
DONALD HOLMES HYERS, A.B., and M.A., University of California at Los Angeles
VINCENT COOPER KELLEY, B.A., University of California at Los Angeles; M.S., California Institute
LUIS EMMETT KENNITZER, A.B., Stanford University; M.S., California Institute
PAUL EUGENE LLOYD, A.B., Stanford University
JAMES WILSON MCRAE, B.App. Sc., University of British Columbia; M.S., California Institute
H. DAVID MICHENER, B.S. California Institute
CARL F. J. OVERHAGE, B.S., and M.S., California Institute
EDWIN WOOLMAN PAXSON, B.S., California Institute
WILLIAM CLEMENT PUTNAM, A.B., and A.M., Stanford University
JOHN RUSSELL SCHULTZ, A.B., University of Illinois; M.S., Northwestern University
JAMES HAROLD WAYLAND, B.S., University of Idaho; M.S., California Institute
ROBERT WALLACE WEBB, A.B., University of California at Los Angeles; M.S., California Institute
HUNG CHANG YIN, B.S., Nankai University

Master of Science in Science

PHYSICS

- ROBERT ADOLPH BECKER, B.S., College of Puget Sound
FOSTER CLYDE BENNETT, B.S., University of Illinois
DONALD KENNEDY COLES, B.S., Illinois Wesleyan University
RODERIC CHARLES DAVIS, B.A., Earlham College
ENGLE ELLIS, B.S., Texas Christian University
BRUCE LATHAN HICKS, B.S., California Institute
CHARLES B. JORDAN, B.S., California Institute
WILLIAM BURDETTE McLEAN, B.S., California Institute
NASH HUGH MILLER, A.B., Hardin-Simmons University
JOHN SARGENT RINEHART, B.S., and A.B., Northeast Missouri State Teachers College
ELLIS WILLIAM SHULER, JR., B.S., Southern Methodist University
THOMAS FOSTER STRONG, B.S., University of Wisconsin
MARTIN SUMMERFIELD, B.S., Brooklyn College
HAROLD FORBES WILEY, B.A., Denison University

CHEMISTRY

- CHARLES WARD BEST, B.S., California Institute
HARRY LOTZKAR, B.A., and M.A., University of British Columbia

CHEMICAL ENGINEERING

- THEODORE VERMEULEN, B.S., California Institute

GEOLOGY AND PALEONTOLOGY

- ROBERT PEARNE BRYSON, A.B., University of California at Los Angeles
HARRY VICTOR CHURCH, JR., B.A., Carleton College
CHARLES ALEXANDER DAWSON, JR., B.S., California Institute
ROBERT MARX DREYER, B.S., Northwestern University
WILLIAM MORRIS FIEDLER, B.A., Carleton College
WILLARD DICKISON PYE, A.B., Oberlin College
WALTER STANLEY WHITE, A.B., Harvard College

Master of Science in Engineering

ELECTRICAL ENGINEERING

LAWRENCE WILLIAM H. BALDWIN, B.S., California Institute
ANTHONY EASTON, B.S., University of Washington
GEORGE FLOYD FRANCIS, B.S., University of Nevada
ROSS LOWELL HAND, B.S., California Institute
ARTHUR ELLIOTT HARRISON, B.S., University of California
PAUL F. JONES, B.S., University of New Mexico
HAROLD LEON LEVINTON, B.S., Massachusetts Institute of Technology
CONRAD ROEBEN MULLER, B.S., California Institute
WASSON WALTER NESTLER, B.S., California Institute
PETER HINES WYCKOFF, B.S., Carnegie Institute of Technology

MECHANICAL ENGINEERING

WILLARD NEWTON BELL, B.A., University of Texas
IRVING BERLER, B.S., New York University
ROLAND ANTHONY BUDENHOLZER, B.S., New Mexico State College of Agriculture
and Mechanical Arts
JOHN KENNETH BUSSEY, B.S., University of California
WESLEY THEODORE BUTTERWORTH, B.S., Northwestern University
JU-YUNG CHENG, A.E., New York University
JAMES WALLACE DAILY, A.B., Stanford University
E. PAUL DEGARMO, B.S., University of Washington
HOLLEY BUCKINGHAM DICKINSON, B.S., California Institute
MELVILLE ARTHUR DIKE, B.S., Northwestern University
LOUIS GERHARDUS DUNN, B.S., California Institute
JOHN CHRISTOPHER DYKES, B.A., Cambridge University
MINOR LOUIS FAHRMANN, B.S., California Institute
HSU-TSI FAN, Eng. in M.E., Harbin Polytechnic Institute
ROBERT BETHEL JOHNSTON, B.S., University of Utah
HISAYUKI KURIHARA, B.S., California Institute
GEORGE ROLLAND MELLINGER, B.A., Drake University
JOHN LLOYD NOLLAN, B.S., California Institute
ROBERT SORG SCHAIRER, B.S., Swarthmore College
APOLLO MILTON OLIN SMITH, B.S., California Institute
JEAN WYLIE, A.B., Princeton University
SHAO-WEN YUAN, B.S., University of Michigan

CIVIL ENGINEERING

HAROLD JOHN ALWART, B.S., Northwestern University
RAYMOND HUDSON FERRIS BOOTHE, B.S., California Institute
ALFRED CULVER BUXTON, B.S., University of Southern California
WILLIAM JOHN ELLISON, JR., B.S., Georgia School of Technology
VERNON ARTHUR CHARLES GEVECKER, B.S., Missouri School of Mines
HENRY JOHN GOODWIN, B.S., California Institute
RAY JENSEN, B.S., California Institute
SAMUEL LLOYD LIPSON, B.App.Sc., University of British Columbia
ALFRED E. MUNIER, C.E., Rensselaer Polytechnic Institute
ABDURRAHIM SERVET, B.S., University of Michigan
ERLING SANBORN WALSETH, B.S., South Dakota State College

AERONAUTICAL ENGINEERING

WALTER HENRY ALBACH, Lieut. U.S.N., B.S., United States Naval Academy
FREDERICK HAMILTON ALLARDT, B.S., and M.S. in M.E., California Institute
ROBERT M. LOSEY, First Lieut. U.S.A., B.S., United States Military Academy,
M.S. in Meteorology, California Institute
SHIRLEY SNOW MILLER, Lieut. U.S.N., B.S., United States Naval Academy
CHARLES KENNETH MOORE, B.S., University of Illinois
JOSEPH NATHANIEL MURPHY, Lieut. U.S.N., B.S., United States Naval Academy
JOE NELSON SMITH, Capt. U.S. Marine Corps, United States Naval Academy
BRADLEY HOBART YOUNG, B.S., and M.S. in M.E., California Institute

METEOROLOGY

MILTON WYLIE ARNOLD, First Lieut. U.S.A., B.S., United States Military Academy
ARTHUR C. W. BASKIN, Lieut. U.S.N., B.S., United States Naval Academy
FREDERICK AROYCE BERRY, JR., Lieut. U.S.N., B.S., United States Naval Academy
THEODORE M. BOLEN, First Lieut., U.S.A., United States Military Academy
ROBERT DUNSHEE ELLIOTT, B.S., California Institute
DONALD PHILIP GRAUL, First Lieut. U.S.A., B.S., United States Military Academy
DALE R. HARRIS, B.S., University of Washington
JACK MAGINNIS, Lieut. U.S.N., B.S., United States Naval Academy
ROBERT G. H. MEYER, First Lieut. U.S.A., B.S., United States Military Academy;
M.S., Yale University
RAYMOND H. ODELL, B.Aero.E., University of Minnesota
H. DEAN PARRY, A.B., Brigham Young University
EUGENE HOWARD QUINN, A.B., University of California at Los Angeles
HERBERT BARNETT SHAPIRO, B.S., California Institute
SAM HOUSTON WISEMAN, First Lieut. U.S.A., B.S., United States Military Academy

Bachelor of Science

SCIENCE

JOSEPH MEYER AXELROD
THOMAS RUSSELL BELZER
JOHN BLUE
STANFORD BRIGGS
THOMAS ROBERT BURNIGHT
ELMER JOSEPH DAUBEN
DON CHARLES DEVault
BRUCE W. DUNBAR
JOHN STEVENSON EDWARDS, JR.
*†CHARLES F. GATES
JOHN WESLEY GEORGE
RICHARD ROHRER GOODELL
‡ALAN JOHN GROBECKER
†THOMAS SINCLAIR HARPER
JOHN BURTON HATCHER
‡BOYD RICHARD HOPKINS
GEORGE HENRY HORNE, JR.
LEON HOROVITZ
*ROBERT CALDWELL JONES
JOHN ALLAN LEGGE, JR.

ROBERT BRUCE LOCKWOOD
HARRY HEYBURN MILLER
DONALD CHARLES NELLIS
DEAN NICHOLS
CLAUDE BYRON NOLTE
RICHARD EMIL OFFEMAN
NOEL ROBERTSON PARK
DAVID PRESSMAN
‡EDWARD THOMAS PRICE, JR.
FREMONT FISHER RADCLIFFE
T. ROBERT SANDBERG
LEONARD FREDERICK SCHOMBEL
THOMAS NEWTON SHAW
CHARLES WILCOX SHEPPARD
JOE MAUK SMITH
LUTHER PAYNE SPALDING
MEYER JOSEPH TEST
VSEVOLOD TULAGIN
CHARLES CRAMER WOOLSEY
WILLIAM DICKINSON YALE

ENGINEERING

*‡IRVING LOUIS ASHKENAS
ALFRED DUDLEY AUGER
JOHN REYNOLDS AUSTEN
HOYT AUSTIN
JAY RICHARD BAILEY
RALPH STAHLNAKER BENTON, JR.
‡GORDON LUCAS BUSSARD
ROBERT SAMUEL CAMPBELL
*HARRY HALL CARRICK
GEORGE EDWARD CARROLL
ELLSWORTH WILLIAM CORNWALL
FREDERIC EUGENE DION
GEORGE MARTIN DORWART
WILLIAM P. ELLERY
VIRGIL ERICKSON
TED FAHRNER
WILLARD FARNHAM
WARREN EMANUELE FENZI
I. STANLEY FEUER
LAWRENCE THOMAS FLEMING
HOLLOWAY HALSTEAD FROST
‡DANIEL LAUDER GERLough
*LeVAN GRIFFIS
CHARLES FRANKLIN HADLEY
‡EDWARD JAMES HORKEY
CARL BURDETT JOHNSON
OWEN CHAMPLIN JOHNSON
VINCENT KNOWLES JONES, JR.
DORR KIMBALL
JOHN CARY KINLEY
CARL ELMER LARSON
JASPER RIDGELY LEGGETT
EUSTACE ARDEN LYCETT
ETHAN ST. CLAIR MACMICHAEL
‡ROBERT MATTHEW MAHONEY
‡GEORGE EDWARD MANN, JR.

WINTHROP GILMAN McSPARRAN
‡WENDELL BOWER MILLER
CHARLES SMYTH MILLIKEN
ERNEST MONCRIEF
WALTER LEON MOORE
BRUCE FITZGERALD MORGAN
NOBLE M. NOTIMA
NOEL LeGRANDE OWEN, JR.
WILLIAM LEE PENN, JR.
JOSEPH JAMES PETERSON
MARTIN JOSEPH POGGI
FRANK A. RECHIF
‡RICHARD LEE RIDGWAY
DOUGLAS KEESEE ROLLOW
PAUL CORWIN SCHAFFNER
DANIEL SCHUMAN
JAMES RAY SEAMAN, JR.
JOHN PETER SELBERG
HERBERT RAMSEY SHEPPARD
HAROLD LEWIS SMITH
WILBUR FISHER SNELLING
WILLIAM VALENTINE STACKHOUSE
JOHN SULLWOLD, II
DONALD SPENSER TEAGUE, JR.
*ROBERT DAWSON TOWNSEND, JR.
GEORGE YOSHIO TSUBOTA
JAY BOREAS VAN DER WERFF
BERNARD W. WALLEY
HUGH FRANCISCO WARNER
‡MARTIN HASKELL WEBSTER
‡WILLIAM OWEN WETMORE
WALTER GEORGE WHEELER
CLARK HAMILTON WIGET
EDWARD EARL WILEMAN
ELDON EMERSON WRIGHT
W. GORDON WYLIE
‡ALBERT HERMAN ZIMMERMAN

* Graduated with honor in accordance with a vote of the Faculty.

† Awarded the Honor Key by the Associated Student Body for participation in student activities.