

CALIFORNIA
INSTITUTE
OF
TECHNOLOGY

COMMENCEMENT
EXERCISES

JUNE 22, 1945

4:00 P. M.

DABNEY GARDEN

PROGRAM

CONCERT AND PROCESSIONAL MARCH

Mrs. Castleman Smith

INVOCATION AND CHAPLAIN'S ADDRESS

The Reverend Curtis Beach

ADDRESS TO CANDIDATES FOR DEGREES

Dr. Millikan

CONFERRING OF CERTIFICATES AND DEGREES

Candidates presented by

Franklin Thomas, C.E., *Dean of Upper Classmen*

W. R. Smythe, Ph.D., *Chairman of the Committee on the Course in Science*

W. W. Michael, B.S., *Chairman of the Committee on the Course in
Engineering*

John P. Buwalda, Ph.D., *Acting Dean of the Graduate School*

Degrees conferred on behalf of the Trustees and Faculty by

Robert Andrews Millikan, Ph.D., LL.D., Sc.D., *Chairman of the Executive
Council*

BENEDICTION

THE NATIONAL ANTHEM

CANDIDATES FOR CERTIFICATES AND DEGREES

CANDIDATES FOR THE SENIOR CERTIFICATE

NAVY V-12 STUDENTS

ROBERT MURRAY KENDALL
EDWARD WILSON MILLER

EUGENE ADOLPH LIEKHUS
STANFORD GRANT STILES

EDWARD BLAKE McLEOD, JR.

In Absentia:

ROLLAND SANFORD ASHER
MAX MERTON AYDELOTT
RICHARD STEPHEN BARNA
EDWARD ALFRED BOHJANEN
JOSEPH MICHAEL CAPRIO
FREDERICK HENRY DAVIS
HAROLD FREDERICK DEPPE
EUGENE FREEDMAN

PAUL GIBSON
WILLARD SAMUEL HOUSTON,
JR.
JOHN WILLIAM HUGGINS
ALVIN HYMAN
EDWARD JOSEPH KING
ROLAND HOLGATE NIELSEN
RAYMOND LLOYD OLSON
DAVID RUSSELL OPPERMAN
BRADLEY A. PEAVY

PAUL LEONARD PECCHENINO
JOHN ANDREW PRYOR
WILFRED JOSEPH REMILLARD
WILLIAM BLISS ROGERS
JERRELL LLOYD SANDERS
HARRIS McINTOSH SCHURMEIER
WILLIAM ARNOLD SELBY
GEORGE DONALD SHIPWAY
ROGER DEAN STUCK
WARREN STANLEY TORGERSON

CERTIFICATE IN ENGINEERING

Aeronautics

JACK LAWRENCE SHOENHAIR, University of California at Los Angeles 1933-34, 1936-37.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN SCIENCE

CIVILIAN STUDENTS

In Absentia:

GEORGE SAMUEL FEIN

CHESTER ROXY STONE

NAVY V-12 STUDENTS

WILLIAM GEORGE BADE
DONALD CHARLES DODDER
DONALD BAKER DUNCAN*
BRIAN BORU DUNNE, JR.

BURTON EDGAR FREEMAN
JAMES WARREN HADLEY
ALBERT R. HIBBS
JOSEPH FREDERICK HOOK

JOHN MARSHALL SLYE
DON RICHARD SWANSON*
THEODORE BREWSTER TAYLOR

NAVY V-12 STUDENTS

In Absentia:

RICHARD CHURCHILL HONEY

ROBERT BERNARD JORDAN

JOHN BALLACHEY LYON, JR.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING

CIVILIAN STUDENTS

KENNETH GALE ANDERSON
CHARLES MELVILLE DAVIS
FRANK JOHN DORE, JR.

WILLIAM JAMES ELLIOTT
HARRY PEARCE KLING*
RICHARD FULCHER NEERKEN

ROBERT CHARLES POOLMAN
MELVIN NOBLE WILSON, JR.

NAVY V-12 STUDENTS

ALLAN JAMES ACOSTA*
ADRIAN CAMPBELL ANDERSON†
DALE HARLAN AUSTIN
HALCYON BALL
DAVID COLLINS BANKS*
WESLEY FULLER BARNES
CHARLES ANDREW BERGMAN
EUGENE WRIGHT BOLSTER†
HARRY W. BROUGH, III
JAMES DONAHUE BURKE
KENNETH RAY BURRELL, JR.
LINDEN ROBERT BURZELL
JOHN DEWEY CARDALL, JR.
PAUL ROBERT CRAWFORD
CHARLES RUSSELL CUTLER†
JAMES HUGHES DRAKE
EDWARD ROBERT ELKO
ALBERT ARMEN ERKEL
NORMAN B. FJELDSTED
HAROLD HARRISON FORD, JR.
WILLIAM ENSIGN FRADY†
LAWRENCE EUGENE FULLER
ALBERT STEWART FULTON*
PAUL REVERE GARDNER, JR.
RAYMOND CLYDE GERBER, JR.
THEODORE GROSSBERG
LAWRENCE G. HALL
CLIFFORD O. HARVEY, JR.

WILLIAM EDWIN HELLER*
RICHARD VAL HENRY
CLIVE TANNER JACKSON
ROBERT POWER JENKINS
IVAN WHITFIELD KEITH
ROBERT JOHN KIECKHEFER,
JR.*
ROBERT VERNON KNOX
PAUL WILLIAM KOHLHAAS
CHARLES EUGENE LAMAR
LESLIE HOWARD LEVIN
DONALD DUNCAN
MACDOUGALL*
NORMAN JAMES MAGNESON
JOHN WARD MALONEY
MARSHALL EDWARD
MCLEHANNON
WAYNE TAYLOR McMURRAY
DUANE TORRANCE MCRIER
MAX HENRY MOORE
JOHN AUSTIN MORGAN
WILLIAM ALEXANDER MYERS
JAMES KEITH NASON
JOHN FREDERICK NICHOLS
JOHN HENRY NICHOLS, JR.†
LEWIS CALVIN NORTON
LLOYD EDWARD OTT
WARREN HARVEY PARKER, JR.

LOWELL C. PARODE
WILLIAM REESE PERKINS
ROBERT EDWARD PHILLIPS
TERRY MACBETH PRUDDEN
WAYNE ARTHUR ROBERTS
CARL FREDRICK ROMNEY, JR.
ROBERT YOUNG SCAPPLA
ALFRED DALE SCARBROUGH
ROBERT FREDRICK SCHMOKER
EUGENE L. WELLYN SCOTT
KENNETH MELVILLE SHAUER
DONALD WESLEY SINCLAIR
DUDLEY BURCHAM SMITH
RAYMOND JAMES SMITH*
DONALD CLINTON SNYDER
JOHN LEWIS STERN
EDWARD C. TAYLOR, JR.
CHARLES ARTHUR TEETS
DONALD CALVIN TILLMAN†
ROBERT CLARENCE TOOKEY
ROBERT GLENWOOD TROUT
BRUCE ROLFF VERNIER
HUGH SLOAN WEST
RAYMOND CROASDALE
WHEELER, JR.
ROBERT WILLIAM WILLIAMS
THAYNE HARWOOD YOUNG, JR.

NAVY V-12 STUDENTS

In Absentia:

DONALD HOWBERT BATES, JR.
ROBERT ROYCE BENNETT
HOWARD ALFRED BOOTH, JR.*
CHARLES WALTER BOZARTH, JR.
FRED MELVILLE BRIGGS
BILLY FRANK BURKE
WILLIAM ROBERT BURNS
GLENN ALLAN CATO
STANLEY DIMOCK CLARK†
WILLIAM LARRY COLLINS
WILLIAM HERBERT COOK
LOUIS HENRY DAVY
FRANK MILES DAY
RICHARD ALBERT DEAN

SIDNEY LEWIS ELICKS
MARTIN CARL FANZ
DONALD LOWELL FRANCIS
JOHN MITCHELL GERTY
JEROME SMYTH HARRINGTON
PAUL LUTHER HORRER
GEORGE MARVEL HOWE
ROBERT MILTON HOWE*
ROY GARFIELD KILLIAN
JOHN LYMAN LEECH
DONALD MCCLOUD LEINWEBER
ROBERT EMMET LEO
WARREN MONROE MARSHALL,
III*
JOHN DILL MCKENNEY
BURTON GERSHON MENDELSON
JAMES HERBERT MORAN

WALTER LEE MURPHY*
JEROME WESLEY PARKS
RICHARD J. REED*
CHARLES ARTHUR RICKARD
WILLIAM H. SMITH
RICHARD EARL SPRINGER
JOHN JUNIOR STEFANOFF
DONALD HANLY SWEET*
WILLIAM STACY TATLOCK*
RICHARD CLARK TEITSWORTH
MERLE GORDON WAUGH
JOHN VERNON WERME
ARTHUR CURTNER WILBUR
GEORGE MCINTOSH WILHELM†
ROBERT EDWIN WILKINSON*
RALPH D. WINTER

*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.

NAVY ORDNANCE OFFICERS

In Absentia:

HARRISON WILLIAM FOX

JAMES BILLY GREEN
WILLIAM FRED PAULSEN

JONATHAN FREDERICK RICE
FRANK ANDREW YANK

June, 1945

MASTER OF SCIENCE IN SCIENCE

Chemistry

JOHN H. BRYDEN, B.S., College of Idaho, 1942.
BERTRAM KEILIN, B.A., New York University, 1942.

Geological Sciences

HARRY WILLIAM CARLSON, Engineer of Mines, Colorado School of Mines, 1942.
BERNARDO GROSSLING FREUDENBURG, B.S., University of Chile, 1935; C.E., University of Chile, 1941;
E.E., University of Chile, 1944.

Physics

FREDERIC HARLEY COENSGEN, B.S., Montana State College, 1941.
CARL PAUL WIEDOW, A.B., Occidental College, 1933; M.S., University of Southern California, 1935.

MASTER OF SCIENCE IN ENGINEERING

Aeronautics

- BRUNO WILHELM AUGENSTEIN, Sc.B., Brown University, 1943.
- WALTER SAMUEL BRADFIELD, B.S., Purdue University, 1941.
- RAYMOND LU-PO CHUAN, B.A., Pomona College, 1944.
- FRANKLIN SPROLES EDWARDS, B.S., Mississippi State College, 1936.
- FREDRICK HARTMAN FELBERG, B.S., California Institute, 1942.
- RAYMOND OSWALD FREDETTE, B.A., Holy Cross College, 1944.
- THOMAS PARKER GOEBEL, B.S., Iowa State College, 1944.
- HERMAN MILLER, B.S., California Institute, 1943.
- DINO A. MORELLI, B.E., University of Queensland, 1938; M.E., University of Queensland, 1943.
- CHARLES E. NEYLAND, B.S., Louisiana State University, 1944.
- PAYSON SUNG TSEU, B.S., Massachusetts Institute, 1941.
- HARRY FRANK BUNZE, B.S., United States Naval Academy, 1940.
- GERHARDT CHRISTOPHER CLEMENTSON, B.S., United States Naval Academy, 1942.
- GAGE HOUSTON CROCKER, S.B., Massachusetts Institute, 1943.
- ELWIN HERKLAS EDDY, B.S., United States Military Academy, 1931.
- LAWRENCE DANIEL ELY, B.S., University of Michigan, 1932.
- JEREMIAH COLLINS HEGE, B.S., University of Maryland, 1942.
- ROBERT LEROY JACKSON, B.S., Texas Technological College, 1940.
- JOSEPH KELLEY, Jr., Ae.E., University of Cincinnati, 1940.
- WALLACE A. LIEN, B.M.E., University of Minnesota, 1939; B.Bus.Ad, University of Minnesota, 1939.
- ARTHUR LEON LOWELL, B.S., Massachusetts Institute, 1941.
- JACK LYNWOOD RIDLEY, B.S., University of Oklahoma, 1939.
- EMIL LEONARD SORENSON, B.Ae.E., University of Minnesota, 1941.
- JESSE HENRY ZABRISKIE, B.S., University of Colorado, 1933.
- LOUIS BASIL ZAMBON, B.S., University of Vermont, 1940.
- WALTER KINSMAN DEACON, B.S., Worcester Polytechnic Institute, 1942.
- THOMAS ATHERTON DICKEY, B.S.E., Princeton University, 1940; M.E., Princeton University, 1941.
- THOMAS FRANCIS DIXON, B.E., Vanderbilt University, 1938; B.S.E., University of Michigan, 1939;
M.S., University of Michigan, 1940.
- JOHN DEAN FOSTER, B.S., University of Tulsa, 1942.
- ELMER SHERWOOD FRANKLIN, B.S., California Institute, 1933; M.S., University of Southern California, 1937.
- CHARLES EDWARD GIBSON, B.S., United States Naval Academy, 1937.
- ELTON LEWIS KNAPP, B.S., United States Naval Academy, 1938.
- NORMAN EDWARD KNAPP, B.S.E., University of Michigan, 1932.
- JOHN KOEBIG LEYDON, B.S., United States Naval Academy, 1938.

- WALTER BERNARD MILLER, B.S., United States Naval Academy, 1938.
- ROLAND ROBERT MORIN, B.S., Rhode Island State College, 1943.
- MASON WHITNEY NESBITT, B.S.(AE), Tri-State College of Engineering, 1935; B.S.(ME), Tri-State College of Engineering, 1935.
- LOUIS GORDON POOLER, A.B., Columbia College, 1920; A.M., Columbia University, 1921; Ph.D., Columbia University, 1930.
- NORMAN CHARLES REUEL, B.S., Georgia School of Technology, 1940.
- WILLIAM FRANCIS TIERNAN, JR., B.S., Haverford College, 1936; B.S.(ME), Massachusetts Institute, 1938.
- MERRITT ALVIN WILLIAMSON, B.E., Yale Engineering School, 1938; M.S., Yale Graduate School, 1940.
- ROGER BLAKE WOODHULL, B.S., United States Naval Academy, 1937.

Civil Engineering

- LEONARD IVAN CHANG, B.S.(Ph.), Holy Cross College, 1943; B.S.(Eng.), California Institute, 1944.
- ROLAND LUTHER HUMMEL, B.S., The Pennsylvania State College, 1941.

Meteorology

- CHUNG PEN HO, B.Sc., National Tsing-Hua University, 1932.

AERONAUTICAL ENGINEER

Aeronautics

- CHARLES NATHANIEL LEVY, B.S., Massachusetts Institute, 1939.
- CHARLES EDWARD GIBSON, B.S., United States Naval Academy, 1937.
- ELTON LEWIS KNAPP, B.S., United States Naval Academy, 1938.
- OTIS EWING LANCASTER, B.S., Central Missouri State Teachers College, 1929; M.A., Missouri University, 1934; Ph.D., Harvard University, 1937.
- JOHN KOEBIG LEYDON, B.S., United States Naval Academy, 1938.
- WALTER BERNARD MILLER, B.S., United States Naval Academy, 1939.
- ROGER BLAKE WOODHULL, B.S., United States Naval Academy, 1937.

CANDIDATES FOR DOCTOR OF PHILOSOPHY

Aeronautics

- ANDRE J FEJER, M.E., Czechoslovak University for Technical Studies, Prague, 1936; B.S., California Institute, 1939.
- YUNG-HUAI KUO, B.A., National University of Peking, 1935; M.A., University of Toronto, 1941.

Biology

- WALTER BEACH DANDLIKER, B.S., Rollins College, 1940.
- SHIH-WEI LOO, B.S., National Sun-Yat Sen University, 1931.
- ERNEST BEVIER WRIGHT, B.S., Yale University, 1938.

Chemistry

- WILLIAM HENRY EBERHARDT, B.A., Johns Hopkins University, 1941.

Civil Engineering

- WALTER FREDERICK HILTNER, B.S., University of Washington, 1934; S.M., Massachusetts Institute, 1935.
- WARREN ORVAL WAGNER, B.S.CE, Washington State University, 1934; M.S., University of Michigan, 1936.

Mechanical Engineering

- JAMES WALLACE DAILY, A.B., Stanford University, 1935; M.S., California Institute, 1937.