

Commencement

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA

June 12, 1936, 4:30 o'clock



PROCESSIONAL MARCH—

"Festival in C" - - - - -

Cadman

THE INSTITUTE BAND

Invocation and Chaplain's Address

THE REVEREND JOHN F. SCOTT

Address

"SPECIALIZATION"

EDWIN FRANCIS GAY, Ph.D., LL.D., Lit.D.

Presentation of Candidates for Degrees

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

Dean of Upper Classmen

ROSCOE GILKEY DICKINSON, Ph.D.

Member of Committee on Course in Science

FREDERICK CHARLES LINDVALL, Ph.D.

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

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

Chairman 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

- THOMAS FOXEN ANDERSON, B.S., California Institute
JOHN YOUNGS BEACH, B.S., University of California
RAYMOND CHARLES BINDER, B.S., Massachusetts Institute of Technology; M.S., California Institute
WILLIAM BOLLAY, B.S., Northwestern University; M.S., California Institute
VERNON LEROY BOLLMAN, B.S. and M.S., University of Nebraska
THOMAS EVERETT BROWNE, JR., B.S., North Carolina State College of Agriculture and Engineering; M.S., University of Pittsburgh
WILSON MARCUS BRUBAKER, A.B., Miami University
CLARENCE LINCOLN DUNN, B.S. and M.S., University of Washington
WILLIAM ALFRED FOWLER, B. Eng. Physics, Ohio State University
ROBERT BRAMAN FREEMAN, B.S. and M.S., California Institute
DAVID HARKER, B.S., University of California
SHERWOOD KIMBALL HAYNES, A.B., Williams College
IVAR EDMUND HIGHBERG, B.A., Whitman College
ARTHUR THOMAS IPPEN, Diplom-Ingenieur, Technische Hochschule, Aachen, Germany; M.S., California Institute
EDWIN RUSSELL KENNEDY, B.S. and M.S., California Institute
DONALD DOMINIC MACLELLAN, E.M., Montana School of Mines; M.A., Columbia University
JAMES DOUGLAS McCULLOUGH, A.B., University of California at Los Angeles
CHAO-YING MENG, B.S. and M.S., Yenching University, China
WILLIAM ALVIN MERSMAN, B.S. and M.S., California Institute
WILLIAM HAYWARD PICKERING, B.S. and M.S., California Institute
JOHN ROBINSON PIERCE, B.S. and M.S., California Institute
LOUIS ALBERT PIPES, B.S. and M.S., California Institute
WILLIS PARKISON POPENOE, B.S., George Washington University; M.S., California Institute
DONALD FREDERICK POULSON, B.S., California Institute
SIMON RAMO, B.S., University of Utah
LOUIS NICOT RIDENOUR, JR., B.S., University of Chicago
FOLKE KARL SKOOG, B.S., California Institute
FRED BEALS STITT, B.S. and M.S., Carnegie Institute of Technology
CHIA-CHEN TAN, B.S., Soochow University; M.S., Yenching University, China
ANGUS ELLIS TAYLOR, B.S., Harvard College
ROBERT BRAINARD VAILE, JR., B.S., California Institute
DONALD LOOMIS WEBB, B.S. and M.S., University of Arizona
HENRY JOHN WELGE, B.S., University of Illinois; M.S., California Institute
MOSES B. WIDESS, B.S. and M.S., California Institute
ROBERT WARREN WILSON, B.S. and M.S., California Institute
DEAN EVERETT WOOLDRIDGE, B.A. and M.S., University of Oklahoma

Master of Science in Science

PHYSICS

- FRANK BRINK, JR., B.S., Pennsylvania State College
DJEN-YUEN CHU, B.S., National Central University, Nanking, China
PAUL CHARLES FINE, B.A., University of Oklahoma
MAXWELL KELCH, A.B., University of California at Los Angeles
GLEN PETERSON, B.S., Brigham Young University
NEWELL POTTORF, A.B., Oberlin College
LARRY LOVE YOUNG, B.S., University of Utah

CHEMISTRY

- THOMAS JAY DEAHL, B.S., California Institute
DELMAR H. LARSEN, B.S., California Institute

CHEMICAL ENGINEERING

- JAMES ALLMAN DAVIES, B.S., California Institute
BYRON NOLL INMAN, B.S., California Institute
WILLIAM REES MENDENHALL, A.B., Friends University
DAVIS AYRES SKINNER, B.S., California Institute

BIOLOGY

- WILLIAM CECIL COOPER, B.S., University of Maryland

GEOLOGY

EDMUND BORYS, B.A., University of Minnesota
MILTON HARRISON EVANS, B.S., California Institute
SIDNEY SCHAFER, B.A., University of Wisconsin
IVAN VICTOR SCHERB, B.S., California Institute
LEONARD FREDERICK UHRIG, Geological Engineer, University of Cincinnati

Master of Science in Engineering

ELECTRICAL ENGINEERING

CHARLES HALSEY ELMENDORF, III, B.S., California Institute
DONALD FREEZE FOLLAND, B.S., University of Utah
GEORGE SHINICHIRO KANEKO, B.S., California Institute
FRED VERN MALONEY, B.S., California Institute
BERNARD MORE OLIVER, A.B., Stanford University
TAKEJI ONAKA, B.S., University of Southern California
RALPH HERMAN OSTERGREN, B.S., University of Washington
LEONARD SEARLES PATTERSON, B.S., California Institute
WARREN THOMAS POTTER, JR., B.S., California Institute
ALLAN ROMIG SCOVILLE, B.S., California Institute
EDWARD ERNEST SIMMONS, JR., B.S., California Institute
WALTER CHONG WONG, B.S., University of Hawaii

MECHANICAL ENGINEERING

FREDERICK HAMILTON ALLARDT, B.S., California Institute
ALEXANDER CRANE CHARTERS, JR., B.S., California Institute
ERNEST WASHBURN GRAHAM, B.S., Purdue University
SMOOT MASAKAZU KATOW, B.S., University of California
ELMER LOUIS LEPPERT, JR., B.S., California Institute
BRADLEY HOBART YOUNG, B.S., California Institute

CIVIL ENGINEERING

SIDNEY FRANCIS BAMBERGER, B.S., California Institute
JAMES MAY FOX, B.S., University of Utah
THOMAS WILLIAM GRIFFITHS, B.S., California Institute
JAMES HENRY JENNISON, B.S., California Institute
HARRY MONTFORD KOONS, B.S., California Institute
JACK WILLIAM SCHWARTZ, B.S., California Institute

AERONAUTICAL ENGINEERING

CALVIN MATHEWS BOLSTER, Lt. Comdr. U.S.N., United States Naval Academy;
M.S., Massachusetts Institute of Technology
MILFORD CARLSON CHILDERS, B.S. and M.S., California Institute
PHILIP ABBEY COLMAN, A.B., Stanford University; M.S., California Institute
MORTON KLYNE FLEMING, JR., Lieut. (j.g.) U.S.N., United States Naval Academy
WALTER LAVERN HOWLAND, B.S. and M.S., California Institute
BENJAMIN BARNES COMPTON LOVETT, Lieut. (j.g.) U.S.N., United States Naval Academy
FRANK JOSEPH MALINA, B.S., Agricultural and Mechanical College of Texas;
M.S., California Institute
VICTOR JOHN MARTIN, B.S., University of Southern California; M.S., California Institute
WALTER FRED RODEE, Lieut. (j.g.) U.S.N., United States Naval Academy
THOMAS MURRAY WHELAN, Lieut. (j.g.) U.S.N., United States Naval Academy

METEOROLOGY

HAROLD HUNTLEY BASSETT, 1st Lieut. A.C.U.S.A., B.S., United States Military Academy
EUGENE BOLLAY, B.S., Northwestern University
ADRIAN HUGO GORDON, B.S., California Institute
NORMAN LAWRENCE HALLANGER, B.S., California Institute
BENARTHUR CASTLE HAYNES, B.S. and M.S., California Institute
LEON WILLIAM JOHNSON, 1st Lieut. A.C.U.S.A., B.S., United States Military Academy
PETER ERVIN KRAGHT, B.S., Washington State College
OSCAR CARL MAIER, Capt. Sig.C.U.S.A., United States Military Academy;
M.S., Yale University
ALLAN RUSSEL McCAULEY, B.A., University of Saskatchewan
JOHN C. SIEMER MCKILLIP, Lieut. (j.g.) U.S.N., United States Naval Academy
WILLIAM EDWARD OBERHOLTZER, JR., Lieut. (j.g.) U.S.N., United States Naval Academy
BENJAMIN STERN, Capt. Sig.C.U.S.A., United States Military Academy
HUBERT ELLIS STRANGE, Lieut. (j.g.) U.S.N., United States Naval Academy
DICK HERMAN WALLMAN, B.S., Parsons College
DON ZABRISKIE ZIMMERMAN, 1st Lieut. A.C.U.S.A., B.A. and M.A., University of
Oregon; B.S., United States Military Academy

Bachelor of Science

SCIENCE

CHARLES BEST
WILLIAM EUGENE BINGHAM, JR.
†ARTHUR LYMAN BISHOP
†KENYON TAYLOR BUSH
*WILLIAM EDWARD CAMPBELL, JR.
GLENN RAY CARLEY
JEFFREY STANLEY COHEN
†HUGH FRANK COLVIN
*ROBERT PALMER DILWORTH
*RICHARD WOLFORD DODSON
ROBERT DUNSHEE ELLIOTT
STUART RUSSELL FERGUSON
†JOHN IRWIN GATES
ROBERT GELDER
EVERETT ELIJAH GRIFFITH
†HOWARD FRANKLIN HAMACHER
*ROBERT GEORGE HEITZ
BRUCE LATHAN HICKS
WILLIAM DOWD HUMASON
FORD LAWRENCE JOHNSON

CHARLES B. JORDAN
ROBERT DANA KENT
*ALEXANDER IVAN KOSSIAKOFF
THOMAS LAURITSEN
WILLARD LEE McRARY
LEO JOSEPH MILAN
LOYAL EDWARD NELSON
PERLEY GILMAN NUTTING, JR.
RICHARD JOHN PETERSEN
BRADLEY TITUS SCHEER
PAUL JEAN SCHNEIDER
†MAURICE SKLAR
*JOHN FREDERICK STREIB
TYLER F. THOMPSON
*†THEODORE VERMEULEN
*KENICHI WATANABE
JOHN LEYDEN WEBB
BRUCE TRAVIS WEBER
RUBEN ESSELSTYN WOOD

ENGINEERING

CARROLL ROYER BAKER, JR.
W. BRUCE BECKLEY
DONALD EUGENE BLODGETT
RAYMOND HUDSON FERRIS BOOTHE
WILSON HENN BUCKNELL
CURTIS GARDNER CORTELYOU
†ALBERT CREAL
FRANK WILBUR DAVIS
HOLLEY BUCKINGHAM DICKINSON
MALCOLM E. DOUGLASS
LOUIS GERHARDUS DUNN
MINOR LOUIS FAHRMANN
FENTON S. FOWLER
FRANCIS VIRGIL FRAZIER
†ARTHUR MITCHELL FROST
ROBERT IRVING GARDNER
TRUMAN GRAY GEDDES
W. HOWARD GERFEN
EDWIN MITTS GETZMAN
*CLARENCE FRANCIS GOODHEART
HENRY JOHN GOODWIN
†PAUL HARVEY HAMMOND
ROSS LOWELL HAND, JR.
ROBERT LEONARD HARTLEIN
†RALPH LAWRENCE HAVER
†CHARLES OSWALD HEATH, JR.
EVERETT BENEDICT HENDERSON
MERAL WILLIAM HINSHAW
ARTHUR EARL ISHAM, II
ROBERT LEE JAMES
†RAY JENSEN
ROBERT L. JERAULD
†PAUL STEVENSON JONES
†EDWARD JOHN KASNICKA
WALLACE LEE KIGER

†JOHN PAUL KLOCKSIEM
CHANNING HENRY KRANTZ
HISAYUKI KURIHARA
GLENN HARRY LEWIS
ROBERT HENRY MARSH
ROBERT ALFRED MCINTYRE
MICHAEL MARTIN McMAHON
HUGO ANTONIO MENEGHELLI
CHARLES ADELBERT MORSE, II
CONRAD ROEBEN MÜLLER
GUY RUSSELL NANCE
*WASSON WALTER NESTLER
ROBERT MAURICE NICHOLS
JOHN LLOYD NOLLAN
GEORGE YOSHIO OHASHI
EDGAR WILLIAMS OLSON
JACK PALLER
*VERNE LEON PEUGH
EUGENE MARTIN RECTOR
M. WILLIAM ROSEN
O. JAMES SALISBURY, JR.
PETER VAN HORNE SERRELL
†HERBERT BARNETT SHAPIRO
ARTHUR ALBERT SIMPKINSON
APOLLO MILTON OLIN SMITH
†WALFRED ERNEST SWANSON
KARL UNHOLTZ
DALE HATFIELD VAN RIPER
†VICTOR VINCENT VEYSEY
JOHN HUNGATE WADDELL
CHAUNCEY WARD WATT, JR.
*EUCLID VANCE WATTS
DAVID MULLENDORE WHIPP
JOHN DWIGHT WORKS
DONALD LAURENCE YOUNG

* 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.