

Alfred Baker

Awards, Degrees and Honors

Forward Commencement
Program

1952

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THE ALUMNI OF HARVARD COLLEGE
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PRESIDENT

WITH THE FELLOWS OF HARVARD COLLEGE
AND THE SEVERAL FACULTIES OF THE UNIVERSITY

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CHIEF MAGISTRATE OF THE COMMONWEALTH OF MASSACHUSETTS

DEAN GOODERHAM ACHESON LL·B A·M
SECRETARY OF STATE

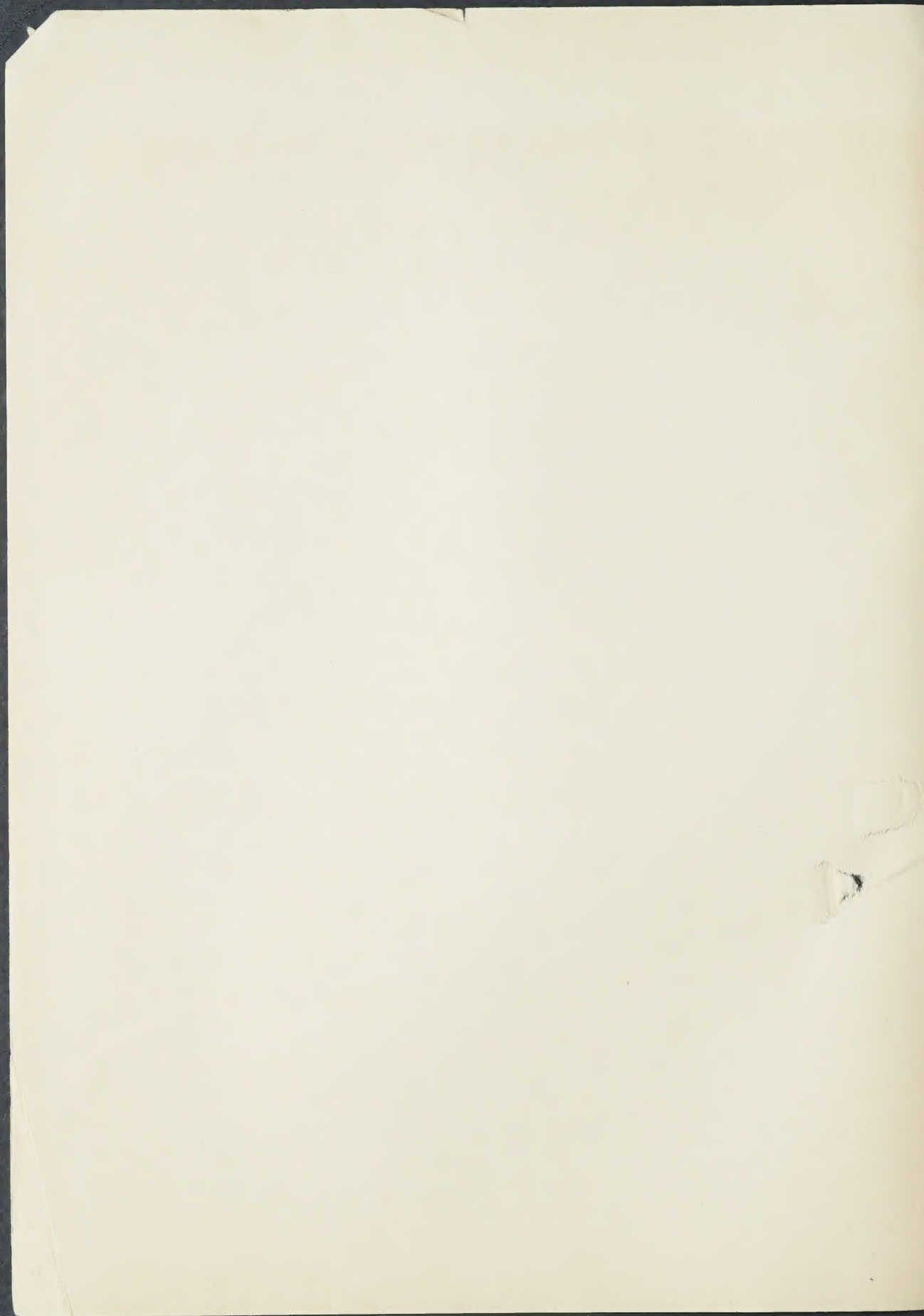
RALPH EDWARD FLANDERS S·D
UNITED STATES SENATOR FROM VERMONT

CARLOS PENA ROMULO LL·D LITT·D
AMBASSADOR OF THE REPUBLIC OF THE PHILIPPINES AND PRESIDENT
OF THE GENERAL ASSEMBLY OF THE UNITED NATIONS

THE MINISTERS OF THE SIX TOWNS
AND THE BENEFACTORS OF THE COLLEGE
ARE INVITED BY THE CANDIDATES FOR DEGREES
TO THE CEREMONIES OF

COMMENCEMENT

ON THE TWENTY-SECOND DAY OF JUNE IN THE YEAR OF OUR LORD
NINETEEN HUNDRED AND FIFTY
AND OF HARVARD COLLEGE THE THREE HUNDRED AND FOURTEENTH



CANDIDATES FOR DEGREES
AND GRADUATES ADMITTED SINCE THE
LAST COMMENCEMENT

June 22, 1950

(NOTE: All are candidates as of the Class of 1950 unless otherwise indicated.)

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GORDON ABBOTT, JR.	DAVID JOHN BELCHER.
ARTHUR ROBERT ABEL.	RALPH EARL BELLVILLE.
FERGUSON ADDISON.	FRANCIS ROBERT BELMONT.
ALEXANDER ALDRICH.	RALPH HERBERT BENDER.
ROLAND RALPH ALGRANT.	JOHN TERRELL BENNETT, JR.
HOWARD DYER ALLEN.	JOSEPH PLATT BERK (1948).
JOHN LONGWORTH ALLEN.	RICHARD DAVID BERKOWITZ.
LOUIS LA BOITEAUX ALLEN.	JACOB BORIS BERLIN.
WALTER SCOTT ALMEDA.	FREDERICK H BEYER.
RICHARD AMES.	JAMES BENJAMIN BIEDERMAN (1946).
CHARLES WILLIAM ANDERSON, JR.	WILLIAM CHARLES BIGLEY, JR.
AVERY DE LANO ANDREWS, 2D (1949).	PAUL GREW BIRDSALL.
REED PIERCE ANTHONY, JR.	JOHN BAXTER BLACK, 2D.
CARL DAVID ASKLING.	WILLIAM MELVIN BLAKESLEE.
BYRON TRAFTON ATWOOD, JR.	ROBERT WALTER BLANCHARD.
HOWLAND DELMA ATWOOD.	ARTHUR McCLURE BOAL, JR. (1949).
EDWARD BREWSTER AYRES.	CHARLES RICHARD BOBEAR.
HERBERT PRESCOTT BAGLEY, 2D.	ANTHONY EDMONDE BONNER (1949).
JOHN TURNER BAILEY.	KENNETH DANA BORG.
WILLIAM WHITNEY BAKER, JR.	WILLIAM EDWARD BOUCHER, JR.
ALEXANDER TAYLOR BALDWIN, JR.	GEOFFREY ALLYN BOUGHTON.
JOSEPH CLARK BALDWIN, JR.	MILTON LORIMER BOYLE, JR.
ANTHONY FRANCIS BALZEBRE.	DOUGLAS HAMILTON THOMAS BRADLEE.
GEORGE JULIUS BARENDSE.	WILLIAM BURNETT BRADLEY (1949).
WALDO NEWCOMER BARROLL.	RICHARD CONNER BRAISTED.
LANE WICKHAM BARTON, JR. (1947).	OSCAR CLEON BRIDGEMAN, JR.
NELSON DAVID BATCHELDER, JR. (1949).	CHARLES VICKERY BRIGGS, JR. (1948).

LORING BRIGGS (1947).
 WILFRED ANTHONY BRIMLEY, JR.
 WINSTON RUDYARD BROADBENT.
 ERNEST BURTON BROWN.
 SHEPARD BROWN.
 DAVID ACHESON BROWNE.
 JOHN EDWIN BRUNDAGE (1949).
 TOBY EMANUEL GODFREY BRUNNER.
 WENZELL BAIRD BRYANT.
 THEODORE MORTON BUCK.
 FREDERICK OSWALD BUCKWALD.
 GEORGE NICHOLAS BUFFINGTON, 3D.
 JOHN CHRISTIAN BULLITT.
 HUGH ALEXANDER BURR.
 MICHAEL C BURROWS.
 OLIVER KNOX BURROWS, JR.
 GABE WHARTON BURTON.
 JOSEPH BUSH (1951).
 PATRICK BUTLER.
 HENRY BROMFIELD CABOT, JR.
 GEORGE HURD CADY.
 RALPH HUBERT CAHOUET, JR.
 CHARLES WHITTIER CALKINS, JR.
 NICHOLAS JOSEPH CALLAHAN, JR.
 COLIN CAMPBELL CAMERON.
 HARRISON KOONS CANER, 3D.
 JAMES CAREY, JR.
 JAMES RUSSELL CARMAN.
 DONALD CARRET.
 EDWARD ELMER CARROLL, JR.
 MARK SULLIVAN CARROLL.
 ALBERT BRADLEY CARTER, JR.
 FRANK WHITNEY CARVER, JR.
 JOHN GERARD CAULFIELD (1948).
 ORLANDO KENT DONATO CELLUCCI (1948).
 FREDERICK BISHOP CHAMBERLIN, JR.
 WALTER YEW MOO CHANG.
 ANTHONY VAN DYKE CHAPIN.
 WHITNEY CHASE (1945).
 ELLIOTT CHUBB.
 FRANCIS LE BARON CHURCH.
 WILLIAM HOWARD CLAFLIN.
 SAMUEL FRANCIS CLAPP.
 ROBERT JAMES CLARK.
 JOHN OTIS CLETCHER, JR.
 EVANS CLINCHY (1949).
 ROY GILMAN CLOUSE.
 JOHN THOMAS COAN, JR.
 ROBERT JOHN COGAN.
 JAMES WELLS COGGESHALL.
 ARNOLD JAY COHEN.
 ELI AARON COHODES.
 ROY DONALD COLBY.
 ROBERT FREDERICK COLLINS.
 DUDLEY TEEPPELL COLTON, JR.
 DONALD STUART CONNERY.
 JOHN KEEGAN CONWAY.
 DAVID IRISH COOMBS.
 ROBERT LEWIS COOPE.
 ROBERT EDWARD COUGHLIN.
 RICHARD BURTON COVEY.
 GILBERT HOVEY GROSVENOR COVILLE.
 FREDERIC ALBERT CRAFTS, JR.
 CLIFTON DWINNELL CROSBY.
 WILLIAM LEO CULLEN (1945).
 NICHOLAS CUNNINGHAM.
 WILLIAM ALBRECHT CURRIER.
 ROBERT ALDEN CUSHMAN, JR.
 TARRANT CUTLER.
 EDWARD JOSEPH DAILEY (1948).
 ALFRED CLARKE D'ALESSANDRO (1949).
 PAUL LANE DAVIDSON.
 NORMAN WALLER DAVIS.
 ROGER EDWIN DAVIS.
 WILBUR MICHEL DAVIS.
 DAVID CLEMENT DEAVER.
 PAUL EDWARD DEMICK.
 RICHARD ALLAN DEMPSEY.
 JOHN BOUSLOG DENTON, JR.
 CHARLES WARREN DETJEN.
 DUNCAN RAMSAY DEVEREUX.
 JAMES FRANCIS D'WOLF, JR.
 NATHANIEL THAYER DEXTER.
 PHILIP SIDNEY DICKSON, JR.
 ROBERT HARRY DI COMES.
 PALMER DIXON.
 BRADFORD SAYLES DOANE.
 WILLIAM DE FOREST DOELLER.
 ROGERS MONTGOMERY DOERING.

HOMER KINDRED DOLAN.
JOHAN DOMENIE.
THOMAS EDWARD DONNELLY.
DAVID ROSS DORRANCE.
RICHARD EDMUND DOUGHTON.
JAMES KIMBALL DOW, JR.
ROBERT MYLES DOWNEY (1951).
EDWARD ALLEY DOWNS.
ROBERT GORDON DOYLE.
HERRICK AIKEN DRAKE.
WILLIAM WALLEY DRAKE (1948).
JED DREIFUS.
JOHN RUSSELL DUGGAN.
JAMES ARTHUR DUMAS, JR.
JAMES ROBERT DUMKE.
DANIEL FRANCIS DUNN.
RAYMOND JOSEPH DURN.
JOHN DENNIS DWYER.
RALPH EARLE, 2D.
JOHN HUBBARD STURGIS EATON.
ROBERT FRANCIS EATON, JR.
STUART COLES EDMONDS, JR.
FREDERICK BULKELEY EDWARDS, 3D.
ROYAL ALBERT ELFAST, JR.
GORDON KINGSLEY ELLIS.
WILLIAM PORTWOOD ERWIN.
RICHARD DESPARD ESTES.
HERBERT LANCASTER EVERETT.
JOHN GABRIEL FAGAN.
JAMES FRANCIS FALLON, JR. (1945).
JOHN THOMAS FAULS (1951).
GEORGE JOSEPH FEENEY.
LOREN WALLACE FESSLER.
ROBERT MICHAEL FIELD, 3D.
JAMES WILLIAM FINLAY.
IRVING LESTER FISK, 2D.
FRANCIS FISKE, JR.
RICHARD HOWORTH FITTON, JR. (1951).
WALTER WILLIAM FLEMING, JR.
HENRY FULLERTON FLETCHER.
HUBERT CONOVER FOSTER (1949).
HUGH KINDERSLY FOSTER.
JOSEPH MICKLE FOX.
ROBERT PAYNE FOX.
PETER JAMES FRANCO (1949).

RAYMOND WINTER FRANKMANN, JR.
GEORGE HERBERT FRAUNFELKER.
MELVIN FREEDMAN.
DONALD CRAIG FREEMAN.
HOLLIS FRENCH.
ROBERT LEITH VESTAL FRENCH.
JOHN MARSHALL FREY.
DONALD McLEOD FROTHINGHAM, JR.
NATHANIEL FROTHINGHAM.
FLOYD FROST FULLE.
SHERMAN MAXWELL FUNK.
GORDON LAWRENCE GADDIS.
ROBERT McCLAIN GALBREATH.
ARTHUR JOHN GARTAGANIS.
HENRY GERARD GARTEN.
JOHN MONTEITH GATES, JR.
JOHN HOWARD GAY, 3D (1949).
BENJAMIN HARDEN GAYLORD.
MARTIN FRANK GELLERT.
EDWARD LEWIS GENN (1949).
ROBERT EDMUND GIBBONS.
BUD HARRY GIBBS.
DAVID HILLARY GILBERT.
WILLIAM HOYT GILBERT.
WILLIAM FRANCIS GLEASON, 3D.
CALVIN GLOBE (1951).
CHARLES RICHARD GLYNN.
IRA FRANCIS GODIN.
DERON RICHARD GOGANIAN.
WILLIAM GOLDBERG.
JOHN SIGMUND GOLDSMITH.
PEDRO ANTONIO GONZÁLEZ-DELIZ.
MARK ELLIS GORDON.
EDWARD SAINT JOHN GOREY.
ROGER BENEDICT GORHAM.
HENRY HUTCHINSON GOVE (1949).
HENRY WINFRED GRADY, JR. (1948).
JAMES KERWIN GRAHAM.
WILLIAM PIERCE EVANS GRAVES.
ROBERT TILDEN GREEN.
CHARLES EDWARD GREENE, JR.
JOHN HOLLIS GREENE (1949).
RICHARD GROSVENOR (1951).
CHARLES FREDERICK GROVER.
RICHARD THOMAS GUIDERA.

FREDERICK GOODWIN GUILD, JR.
 HENRY RICE GUILD, JR.
 THOMAS TRUXTUN HACKETT.
 DISBROW HADLEY.
 ROLLIN VAN NOSTRAND HADLEY, JR. (1949).
 DAVID SIEGFRIED HAGEN.
 DAVID HULBERT HALL.
 GILBERT VINTON HALLOCK.
 IAN MORGAN HAMILTON (1945).
 JOHN CYRIL HANSEN.
 ROBERT JOHN HANSMAN (1951).
 WILLIAM FOX HARKINS (1949).
 GEORGE DEXTER HARLOW.
 PHILIP RATHBUN HARPER.
 ERIC HARRAH.
 THOMAS WILLIAM HARRINGTON, JR.
 WILLIAM CALDWELL HARROP.
 JOHN THOMAS HART, JR.
 GEORGE CHARLES HARTMANN (1948).
 CHARLES CUMINGS HARWOOD.
 ANDREW McCLARY HEATH, JR.
 FRANK BATTLES HEDGES.
 CARL ELMER HEIDT.
 HUGH PIESEN HERMANN.
 ALFRED RUSSEL HERMES.
 ERNEST ALLEN HERSHEY, JR.
 CHARLES THOMPSON HESSE.
 PETER MELDRIM HEWITT (1948).
 HERBERT HOLLIS HICKS.
 CHARLES SONNEMANN HILBOLDT (1948).
 HENRY WILLIAM HILGERS.
 RUSSELL ELLSWORTH HILLIARD.
 YALE DWIGHT HILLS, JR.
 ARTHUR CLIFFORD HILLWICK.
 WILLIAM HODGE, JR.
 WALTER GRANT HODSDON, 2D.
 CHARLES LEE HOEFINGHOFF.
 JOHN MASON HOLLAND.
 HENRY BERNARD HOLLE.
 HARRY WILLIAMS HOLLINGSHEAD.
 THOMAS KIERAN HOLMQUEST.
 NEIL MACLEAN HOLT.
 JAMES AMORY PERKINS HOMANS.
 JOHN PAUL HORGAN.
 EVERETT BYRON HORN, JR. (1949).
 JOHN DER HOVANESIAN, JR.
 EMERSON BRADBURY HOVEY.
 CHARLES JOSEPH HUBBARD, JR.
 DANIEL ELLIOTT HUGER, JR.
 CHARLES MILLER HUGHES.
 HILLIARD WITHERS HUGHES, JR.
 CHARLES FREDERICK HUGO.
 JOHN HENRY HULL.
 LYMAN WALKER HULL.
 ARNOLD WELLES HUNNEWELL, JR.
 THOMAS BARRY HUNT (1951).
 MYLES DANA HUNTINGTON.
 CLARENCE HENRY HUTCHINSON.
 JOHN CORRIN HUTCHINSON.
 PAUL KENNEDY HUTCHINSON.
 JOHN DWIGHT INGRAM.
 ALEXANDER JACKSON.
 JAMES PALMER JACOB.
 DANIEL BROWN JACOBS (1949).
 JOHN HULBERT JAMESON, JR.
 JAY EARL JANSEN.
 ROGER WOODHAM JELLIFFE.
 RICHARD KIMBALL JENNINGS (1949).
 ANDREW JENSEN, 3D (1949).
 DESMOND FORD JOHNSON.
 ROBERT ALLISON JOHNSON.
 GRAHAM NORWOOD JOHNSTON.
 ROGER BALLARD JOHNSTON (1949).
 FRANK SIDNEY JONES.
 WILLIAM DUDGEON DAVID JOYCE.
 GEORGE JOHN KANDZIE, JR.
 LAWRENCE JOSEPH KAPLAN.
 ROBERT JACOB KAYNES.
 HOWARD KNOWLES KEATING.
 CHARLES FREEMAN KEITH (1949).
 GEORGE WANNAMAKER KEITT, JR.
 JAMES BERNARD KENARY, JR.
 CHARLES KENNY.
 EDWARD TIPTON KENYON.
 WILLIAM LEO KIELY, JR.
 ROBERT LANE KIERSTEAD (1949).
 CORNELIUS JOSEPH KILEY, 3D.
 ARTHUR HOOD KING.
 RICHARD FRANCIS KINSMAN.
 JOHN FINLEY KISER.

WILBERT GARWOOD KLEINHEN.
HALE MORRIS KNIGHT.
RICHARD BULLOCK KOBUSCH.
ANDREAS MARTIN KOEHLER.
ALBERT ALFRED KOPF.
CARL MAX KORTEPETER.
JOHN JOSEPH KRISTOPIK (1951).
HENRY ANTON KUHARIC.
EDWARD JOSEPH KUSHUBAR.
MORTIMER MILTON LABES.
RICHARD MIRABEAU LAMAR.
ROBERT ELLIS LA MONT (1949).
EDWARD JOSEPH LAMOTHE, JR.
JOHN PHILIP LAMPLOUGH.
DONALD MARK LANDIS.
JOHN RUSSELL LANE.
ROBERT DREWES LANGMANN.
CARL VERNER LARSON, JR. (1946).
DONALD STUART ARTHUR LA TOURETTE.
GERALD LAUDERDALE.
JOHN ALBERT LAVELLE (1949).
JOHN PATRICK LA WARE.
DWIGHT LAWRENCE.
JOHN MICHAEL LEARY.
PEIRCE HENRY LEAVITT, JR.
WILLIAM TURNER LEAVITT.
JOSEPH LEEMING, 3D.
SABIN SOLOMONT LEVENSON.
MARVIN ROYE LEVIN.
HERBERT JEROME LEVINE.
JACQUES ELIAS LEVY (1949).
EDWARD WILLIAMS LEWIS, JR. (1949).
STEPHEN LEE LEWIS.
THEODORE EVERIT LEWIS.
PAUL JONATHAN LIMM.
DEAN JOHN LIMPERT.
JOHN BEAMISH LISTER.
FRANK BROWN LIVINGSTONE.
DAVID LLEWELYN LLOYD-REES.
ANDREW MOORE LOCKETT, 3D.
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WILLIAM HORACE LOFT, JR.
JOHN CARLETON LOMBARD (1949).
AUBREY KINGSLEY LOOMIS.
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VASCO McCOY, JR. (1949).
JAMES WEBB McCREADY, JR.
ALLEN MacDONALD.
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MICHAEL DOUGLAS MACFARLAN (1949).
WILLARD FRANK MACHLE, JR.
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WILLIAM EDWARD McKEON.
MILES ROBERT McKEY.
EDWARD CANFIELD STERLING McKITTRICK, JR.
JACK MacNIDER.
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WILLIAM COWPER BOYDEN MAGOUN.
ANDREW JACKSON MAHONEY.
JAMES TAYLOR MAHONEY, JR.
CHARLES TRAFFORD MALTON, JR. (1949).
DEMETRIO GUERRINI MARALDI.
MORTON MARGOLIS (1949).
ROBERT SHELDON MARNOY.
JOHN EDWARD MARTIN, 3D.
BRADFORD MARVIN.
JOHN PILLSBURY MATSEN.
ROBERT IRA MATSON.
ROBERT LIVINGSTON MATTERS.
DUNCAN HUNTER MAURAN.
THOMAS CHAUNCEY MAYERS.
ZAVAN ARTHUR MAZMANIAN.
ARMANDO DAVID MAZZONE.
JAMES CROKE MERKLE.
HERBERT BARTLETT MERSER, JR.

DAVIS UNDERWOOD MERWIN.
 WILLIAM WENDELL METCALF.
 RICHARD HOLLISTER MEYER.
 CARLTON STONE MILLER.
 JEROME EARL MILLER.
 GEORGE KERR GORDON MILTENBERGER.
 GEORGE RICHARDS MINOT, 2D (1949).
 WILLIAM LAWRENCE MOBRAATEN.
 HAROLD JAY MOFFIE.
 DAVID HUGH MONTGOMERY.
 WHITSON JARVIS MOODY.
 ALBERT MITCHELL MOORE.
 CHRISTOPHER MOORE.
 GEOFFREY LOUIS MOORE, JR.
 HAROLD SPENCER MOORE.
 LAURENCE FRANCIS MORAN.
 ROBERT HOLLAND MOREHOUSE.
 MILES MORGAN.
 DONALD CAMERON MORTIMER, JR.
 JOSEF CHARLES MUELLER, JR. (1951).
 PAUL WILLIAMS MULLEN (1948).
 GEORGE SALTONSTALL MUMFORD, 3D.
 KENNETH JOSEPH MURPHY.
 ROGER WILSON MURPHY.
 TIMOTHY CORNELIUS MURPHY, JR.
 WILLIAM FRANCIS MURPHY, JR.
 ALDEN SCOVEL MURRAY (1946).
 HAROLD PALMER MYER.
 THOMAS RAYMOND MYLOTT, JR.
 WILLIAM WRAY NASH, JR.
 LARRY NATHANSON.
 GORDON ALBERT NEAL.
 HOWARD JAMES NEDVED.
 HARRY ROSENGARTEN NEILSON, JR.
 NORMAN CHRISTOPHER NELSON.
 RAY DUNCAN NESTER, JR.
 HAROLD BRADLEE NEUBAUER.
 GEORGE MONTAGUE NEUFFER.
 HERMAN LE ROY NEWBOLD.
 DAVID SHELLEY NICHOLL (1945).
 SCOTT ALLEN NICHOLSON (1949).
 STANLEY EMERSON NIEBRUEGGE.
 FRANCIS JAMES NOLAN, JR.
 JAMES JACKSON NORA.
 LOUIS MAURICE NORDLINGER.
 CHARLES LEE NUTT, 3D.
 HERBERT FRANCIS O'CONNELL.
 FRANCIS RUSSELL O'HARA.
 NELSON RONALD OHMART.
 RICHARD OLNEY.
 ROBERT HARE POWEL OLNEY.
 FREDERIK RABEN-LEVETZAU OSBORNE.
 THOMAS HENRY O'SHEA.
 REUBEN NICHOLAS PALM, JR.
 WALTER DE KAY PALMER.
 EUGENE GERARD PANARESE.
 SPIROS BASIL PARAS.
 RIENZI BELCHER PARKER, JR.
 ROBERT TUFTS PARKER.
 FRANKLIN LAWRENCE PARSONS.
 MALCOLM ENDICOTT PEABODY, JR.
 MURRAY RUSSELL PEARLSTEIN.
 TOM BROWN PEARSON.
 SANTIAGO FELIPE ELOY PEREZ.
 JAMES PERRIN.
 ALLEN COCHRAN PERRY.
 DONALD GIFFORD PERRY.
 RALPH PETRILLO (1949).
 DEAN PINNEY PHYPPERS.
 RICHARD CLARENCE PIERCE.
 WINSLOW PIERCE.
 FREDERICK WATTERS PILLSBURY.
 ALFRED PLEASANTON (1947).
 ROBERT BEVERLY POINT.
 VIKTOR JOSEPH POKORNÝ.
 ROGER STANLEY POOLE.
 EDGAR MONTFORT POPE, JR.
 WILLIAM LEONARD PORTANOVA.
 RICHARD FRANKLIN PORTER.
 HAMILTON FISH POTTER, JR.
 FREDERICK FORREST POWERS, JR.
 PHILIP WHITTEMORE POWERS (1951).
 OLIVER PRESCOTT, 3D.
 WILLIAM ALLEN PRIOR.
 JOHN PRISLUPSKY.
 EDMUND SPENCER PURVES (1949).
 AUGUSTUS LOWELL PUTNAM (1949).
 JOHN KING PUTNAM.
 FRANCIS DANIEL QUILL.
 FRANCIS XAVIER QUINLAN.

ALTON DONALD RATH (1948).
ARTHUR KENNETH READING, JR.
JOHN WILLIAM READY.
RICHARD BOWERS REDWOOD, JR.
HAMMOND GILMORE REED.
DAVID LAYTON REGISTER.
PETER CHRISTIAN REINER.
EDWARD REYNOLDS, JR.
KENNETH REYNOLDS, JR.
THOMAS EDWARD REYNOLDS, 2D.
WILLIAM BALL RICE, 3D.
GILBERT BURDETTE RICHARDS, JR.
DANIEL BREWER RICHARDSON.
HAROLD NORMAN RICHARDSON.
CHARLES PERCY RIMMER, JR.
ANTHONY RIPLEY.
DAVID CHAPIN ROBERTS.
PHILIP NILES ROBERTSON.
CERVIN ROBINSON.
LEONARD BERNARD ROBINSON.
MARCEL XAVIER ROCCA.
FREDERICK WILLIAM ROE (1946).
GERWIN KARL ROHRBACH.
PETER WINTHROP ROONEY.
DAVID BERNARD ROOS.
JULIAN KEAN ROOSEVELT.
PHILIP JAMES ROOSEVELT.
JAMES CHADWICK ROSSITER.
FRANCIS JAMES ROWE, JR.
ALBERT FRANCIS RUBY, JR.
HENRY STURGIS RUSSELL, JR.
WILLIAM BRADLEY RYAN (1949).
PAUL SADLER, JR. (1949).
ALEXANDER BOWLES MURPHY SAMOILOFF.
CHARLES DINNEEN SARGEANT.
RICHARD MARSHALL SAUL.
EDWARD ALAN SAX.
FRANK ELDEN SCHMELZER, JR. (1949).
DAVID EARL SCHWULST.
RICHARD THORNE SCULLY (1946).
FRANK SEABURY.
JOHN ANDREW SEILER (1951).
LAWRENCE RANDALL SELLET (1949).
RICHARD ERWIN SENGHAS.
WILLIAM ROBERT SEYFERTH.

JOHN ANDREWS SEYMOUR.
ANDREW LOVELL SHAW.
DANIEL ELLIS SHAW.
DOUGLAS GRAEME SHAW.
EDWARD JAMES SHAW.
ARTHUR SHERMAN.
RAPHAEL JOHNSON SHORTLIDGE, JR.
WILLIAM RICHARD SIDDALL.
THOMAS CUNNINGHAM SIMONS.
JOHN SIMPKINS, JR.
CHRISTOPHER SIMS.
JOHN MARSHALL SINK.
GEORGE FREDERICK SKINNER.
ANDREW MITCHELL SMITH (1948).
ANTHONY NELSON SMITH (1937).
ALAN WRIGHT SMITH (1949).
CHARLES LLEWELLYN SMITH, 3D.
HARRY DANIEL SMITH.
HUGH MONTGOMERY SMITH.
JOHN HALSEY SMITH, JR.
KAIGHN SMITH.
LEON H SMITH, JR.
RAYMOND EDWARD SMITH.
ROBERT LLOYD SMITH.
STANLEY ESTABROOK SMITH.
RICHARD HUNTLEY SNOW.
ARTHUR ROBERT GEORGE SOLMSSSEN (1949).
RICHARD HAVELOCK SOULE.
ROBERT RAYMOND SOUTHWORTH (1949).
GERALD SOWSY.
THOMAS BISHOP SPEARE (1949).
SIDNEY GEORGE SPECTOR.
NEWELL DEAN SQUIRES.
ROBERT WALTER STANLEY.
JOHN KELLOGG STANTON (1946).
LORING MITCHELL STAPLES, JR.
LYNFORD LARDNER STARR.
ARISTEDES STAVROLAKES.
JOHN BLODGETT STEBBINS.
PAUL EDWIN STEIN.
JOHN MONTGOMERY STEPHENS.
ROBERT JOSEPH STERN.
MALCOLM ALEXANDER STEVENSON (1948).
CLIFFORD DOUGLAS STEWART, JR.
CHARLES HOLDEN STOBBS.

ALTON LOUIS STODDARD.
THEODORE LOTHROP STODDARD, JR.
DAVID BARNES STONE.
NELSON STONE.
EDWARD PENDLETON STRATER.
ELLIOTT MACGREGOR STRAUSS.
DON SILER STURGILL.
ALEXANDER CHARLES SUZCEK.
RALPH VICTOR SUMMY, JR.
DAVID ADAMS SUTHERLAND.
RAYMOND HARVEY SUTTLE (1948).
JOHN RICHARD SUYDAM, JR.
ROBERT SIDNEY SWAIN, JR.
WILLIAM CHANNING SWAN.
PHILIP WHITFORD KIRKLAND SWEET, JR.
PALMER CUMMINS TALBUTT, JR.
ERIC WINSOR TALMAGE.
ARTHUR S TAMKIN.
SILVIO PETER TASSINARI.
PAUL ANTHONY TENNEY.
HARVEY HILL THAYER.
WILLIAM FOSS THOMPSON.
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LE BARON TURNER.
JOHN UDALOY.
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CHARLES CONSTANTINE VASILIADIS (1949).
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JAMES FRANCIS VAUGHN, JR.
JOSEPH SEQUEIRA VERA.
PAUL PETER VILIESIS (1949).
HOWARD MORTYE VINECOUR (1945).
EDWARD MICHAEL VIOLA.
HARRISON TWEED WADSWORTH (1949).
ROBERT AUSTIN WALKER.
RICHARD ALAN WALLACE.
ROBERT ELMER WALLACE, JR.
JOHN STEBBINS WALLOUR.
JOHN FRANCIS WALSH.
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CHARLES LAKEMAN WARD, JR.
LAURISTON WARD, JR.
RICHARD HARRY WATEROUS.
ALBERT JOHN WEATHERHEAD, 3D.
NATHANIEL CONANT WEBB, JR. (1949).
LOTHROP MOTLEY WELD, JR.
BRENTON WELLING, JR.
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CHARLES JOSEPH WEST.
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JOHN PHILIP WHITE, JR.
THOMAS HOLDEN WHITE, JR.
ROBERT ELLIS WHITELAW (1951).
CHARLES SPENCER WHITING.
GEORGE HAYWARD WHITNEY, JR.
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ALMON BROOKS WILDER, JR.
MARSHALL SUMNER WILKINS.
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EDWARD CONVERSE WILSON, JR. (1949).
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CUM LAUDE

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 WILLIAM LEWIS ALDEN, *Economics*.
 MILTON HAROLD ALPER, *Biology*.
 JOHN COOLEY ALTROCCHI, *Social Relations*.
 ALFRED ARONOVITZ, *Government* (1951).
 PAUL WORTHEN ARTHUR, *Economics*.
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 JOHN LEEDS BARROLL, 3D, *English* (1949).
 JOHN ALFRED BARUCH, *Germanic Languages and Literatures*.
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 MICHAEL DOUGLAS COE, *Anthropology*.
 GILMAN FREDERICK COLLIER, *Music*.
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 EDWARD SEYMOUR CORNISH, *Social Relations* (1948).
 ROWLAND JOHNS COX, *Literature*.
 DOUGLAS BROWARD CRAIG, *History and Literature*.
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 PHILIP EDWARD DAVIS, *Philosophy*.
 WILLARD AMES DE PREE, *Government*.

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 ANDREW ANGELO DI PRETE, *Government*.
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 PAUL PINKERTON FOSTER ELLIOTT, *Government*.
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 NATHAN ABRAHAM GREENBERG, *Classics*.
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 MORDECAI WILLIAM GROSSMAN, *Economics* (1949).
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- LUCIAN CARMELO EDWARD PARLATO, *Philosophy*.
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- PHILIP RAYMOND SWAIN, *Comparative Philology and Germanic Languages* (1951).
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 ROBERT LLOYD WILLIAMS, *Classics and Philosophy*. HASTINGS KEMPER WRIGHT, *Social Relations*.
 DOMINIQUE HOMAN WYANT, *Government*.

MAGNA CUM LAUDE

ARDEN LEROY ALBEE, *Geological Sciences*. BRICE NOEL FLEMING, *Philosophy*.
 DONALD ROGER ANDERSON, *Government* (1948). ROBERT FERREY FULLER, *English*.
 CHARLES WALDO BAILEY, 2D, *Government*. JOHN ALOYSIUS GARVEY, JR., *Economics*.
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 JONATHAN PEALE BISHOP, *History and Literature* (1948). OLEG GRABAR, *History*.
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 ALOYSIUS BERNARD McCABE, *History and Literature* (1949).
 JOHN SYLVESTER McFARLAND, *Romance Languages and Literatures*.
 RODERICK KINGMAN MACLEOD, *Economics* (1951).
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 MELVIN LEONARD ZURIER, *Government*.

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FRANCIS RUSSELL HART, 3D, *English*.
JOHN LORD KICE, *Chemistry*.
HENRY ALFRED KISSINGER, *Government*.
KARL GEORGE KOHN, *Music* (1948).
ULRICH ERNST KRUSE, *Physics*.
NORMAN GEORGE LEVINSKY, *Biology*.
ROBERT LISLE, *Classics* (1947).
GORDON JAMES FRASER MACDONALD, *Geo-*
logical Sciences.
ULRIC RICHARD GUSTAV NEISSER, *Psychology*.
ROBERT HERMAN SILSBEE, *Physics*.
OSCAR EPHRAM STAROBIN, *Biology*.
VINCENT EVANS STARZINGER, *Government*.

BACHELORS OF SCIENCE

- HOWARD REID CRAIG, JR. (1948).
JOHN GAYLORD LOWE, JR. (1949).
PAUL WILLIAM MCCREE, JR. (1948).
WILLIAM GORDON RUTHERFURD MARDEN
(1946).
RICHARD DOMENIC MORANO (1949).
GEORGE JESSUP SALISBURY (1945).
HERBERT NATHAN SCHLEIN (1949).
PHILIP MASON SEARS, JR. (1949).

MAGNA CUM LAUDE

- HENRY JOSEPH SMITH, *Astronomy* (1949).

ADJUNCT IN ARTS

- DANIEL McCABE HOOLEY.

MASTERS OF ARTS

- SAMUEL HANS ADLER, MUS.B. (*Boston Univ.*) 1948.
DAVID GEORGE AIVAZ, A.B. 1947 (1949).
ROBERT LORING ALLEN, A.B. (*Univ. of Redlands*) 1947.
LAWRENCE CHARLES ANTONELLIS, JR., S.B. 1943.

- ALFRED ROBERT BABCOCK, A.B. 1940 (1947).
HENRY McRAVEN BAIN, JR., A.B. (*Swarthmore Coll.*) 1946.
RAYMOND HAROLD BAKER, B.A. (*Univ. of Toronto*) 1949.
EUGENE PENDLETON BANKS, A.B. (*Furman Univ.*) 1943.
MANALI KALLAT VAINU BAPPU, B.SC. (*Madras Univ.*) 1946, M.SC. (*ibid.*) 1949.
PETER HAYWARD BATCHELDER, A.B. (*Dartmouth Coll.*) 1948.
ROBERT JAY BEAN, S.B. (*Southern Methodist Univ.*) 1948.
EDWARD BERNARD BERMAN, A.B. 1948.
RICHARD LYSLE BETHARDS, A.B. (*Coll. of William and Mary*) 1949.
VINAYAK VIJAYSHANKER BHATT, B.A. (*Univ. of Bombay*) 1946, M.A. (*ibid.*) 1948.
AUGUSTO BIRD ORTIZ, B.B.A. (*Univ. of Puerto Rico*) 1934, M.B.A. (*Boston Univ.*) 1943.
HAROLD KELLY BROOKS, S.B. (*Kansas State Coll.*) 1947.
MAURICE FRED BROWN, A.B. (*Lawrence Coll.*) 1949.
ALBERT WILLIAM BURGSTHALER, S.B. (*Univ. of Notre Dame*) 1949.
ERNEST FRANK CHASE, JR., A.B. 1950 (1949).
FUNG YING CHENG, GR. (*National Sun Yat-Sen Univ.*) 1938.
MILTON JEROME CLARK, S.B. (*New York Univ.*) 1947.
SAUL BERNARD COHEN, A.B. 1947 (1948).
CHARLES ALLERTON COOLIDGE, JR., A.B. 1945 (1944).
NOEL ROBERT CORNGOLD, A.B. (*Columbia Univ.*) 1949.
LAWRENCE ENLOES COX, A.B. (*Univ. of South Carolina*) 1938, S.T.B. (*Harvard Univ.*) 1943.
JOSEPH ANTHONY DE FELICE, M.E. (*Stevens Inst. of Technology*) 1948.
BENJAMIN HAILE DE MOTT, A.B. (*George Washington Univ.*) 1949.
STANLEY DESER, S.B. (*Brooklyn Coll.*) 1949.
JOHN BENEDICT DESMOND, S.B. (*U. S. Military Academy*) 1944.
FERRIS HENRY DETHLEFS, A.B. (*Marietta Coll.*) 1947.
JAN WALDEMAR DIETRICHSON, A.B. (*Cornell Univ.*) 1949.
PETER DODGE, A.B. (*Swarthmore Coll.*) 1948.
EDGAR STREETER DUNN, JR., S.B. (*Univ. of Florida*) 1943, A.M. (*ibid.*) 1948.
GEORGE STERNER DURST, A.B. (*Univ. of Wisconsin*) 1948.
KIRBY DWIGHT, JR., A.B. (*Princeton Univ.*) 1949.
HARRY HORACE ECKSTEIN, A.B. 1946 (1948).
ARVID EK, S.B. (*Tufts Coll.*) 1947.
PATRICK FRANCIS ELLIOTT, A.B. 1948 (1949).
DONALD FRAZIER ESCHMAN, A.B. (*Denison Univ.*) 1947.
JOSEPH DEE EVERINGHAM, A.B. 1949.
MARK GEORGE FIELD, A.B. 1945 (1948).
THOMAS WITMER FINA, A.B. 1949 (1948).
SAM EVANS FOWLER, S.B. (*Alabama Polytechnic Inst.*) 1946.
EDWIN LOPES FRANCIS, A.B. 1949.
ALLEN MARCUS FRANKE, A.B. (*Berea Coll.*) 1948.
HENRY CLIFTON GALANT, A.B. (*Univ. of Illinois*) 1940, LIC-ÈS SC. POLITIQUES (*Univ. of Geneva*)
1948.
WILLIAM HENRY GERDTS, JR., A.B. (*Amherst Coll.*) 1949.
RAYMOND ROBINS GILBERT, A.B. (*Colorado Coll.*) 1943.

- BILLY JOE GILPIN, S.B. (*Virginia Polytechnic Inst.*) 1949.
 ROBERT EMMETT GINNA, JR., A.B. (*Univ. of Rochester*) 1948.
 MARTIN JACOB GOLDMAN, A.B. (*New York Univ.*) 1947.
 HERBERT IRWIN GOODMAN, S.B. (*Univ. of Pittsburgh*) 1943, M.B.A. (*Harvard Univ.*) 1949.
 ROBERT ELMER GOODNOW, A.B. (*Kenyon Coll.*) 1946.
 JAMES WYANT GRAHAM, A.B. (*Tarkio Coll.*) 1948.
 WILLIAM BARKER GRANT, A.B. 1949.
 KENNETH NORMAN HAYNES GREENIDGE, B.SC. (*Univ. of New Brunswick*) 1948, M.F. (*Yale Univ.*) 1949.
 PETER GREGORY, A.B. (*Ohio Wesleyan Univ.*) 1948.
 DAVID THURSTON GRIGGS, A.B. (*Univ. of Washington*) 1938.
 MONROE ZELIG HAFER, A.B. 1950 (1949).
 ERIC HOLMSTEDT HANSON, A.B. (*Univ. of Maine*) 1948.
 ROBERT ARTHUR HARRIS, S.B. (*Coll. of the City of New York*) 1946.
 SHELDON HOWARD HARRIS, A.B. (*Brooklyn Coll.*) 1949.
 JOSEPH HAROLD HARTSHORN, S.B. 1943 (1947).
 DONALD HECTOR HENDERSON, A.B. (*Middlebury Coll.*) 1949.
 PAUL BERNARD HENZE, A.B. (*St. Olaf Coll.*) 1948.
 LEWIS HERTZMAN, B.A. (*Univ. of Toronto*) 1949.
 RICHARD KEITH HILL, S.B. (*Pennsylvania State Coll.*) 1949.
 PETER HILLMAN, A.B. 1948 (1949).
 JACK EUGENE HOLSEY, JR., A.B. (*Howard Univ.*) 1948.
 ARTHUR HOREN, S.B. (*Coll. of the City of New York*) 1948.
 JOSEPH ROLLINS HOUSTON, S.B. (*Bates Coll.*) 1941.
 RAY ARNLEY HOWE, A.B. (*Western Michigan Coll. of Education*) 1949.
 GEORGE WILLIAM JAEGER, A.B. (*St. Vincent Coll.*) 1948.
 JAMES WILLIAM JOHNSON, A.B. (*Birmingham-Southern Coll.*) 1950.
 RICHARD CLARK JOHNSON, A.B. (*Colby Coll.*) 1941.
 MANFRED JONAS, S.B. (*Coll. of the City of New York*) 1949.
 STANLEY GEORGE KARSON, A.B. 1948.
 ROBERT ALLYN KAVESH, S.B. (*New York Univ.*) 1949.
 DANIEL KIVELSON, A.B. 1949.
 HOWARD FREDERICK KOEPER, A.B. 1949.
 NATHAN KOGAN, A.B. (*Lehigh Univ.*) 1948.
 AARON KRUTE, A.B. 1946 (1948).
 RICHARD LESLIE LARSON, A.B. 1949.
 BERNARD ADOLPH LE BEAU, A.B. (*Bowdoin Coll.*) 1949.
 ROBERT HUNG GON LEE, A.B. (*Univ. of Hawaii*) 1947.
 BENITO FERNÁNDEZ LEGARDA, JR., S.B. (*Georgetown Univ.*) 1948.
 GLENN ALBERT LEHMANN, A.B. (*Ohio Wesleyan Univ.*) 1948.
 CURT ALBERT LEVIS, S.B. IN E.E. (*Case Inst. of Technology*) 1949.
 JAMES LINN LEWIS, A.B. (*East Central State Coll.*) 1934, S.B. (*U. S. Military Academy*) 1938,
 S.M. (*Univ. of California*) 1947.
 STANLEY LEYDEN, A.B. 1948.
 ROBERT PIERCE LUMPKIN, A.B. (*Univ. of Richmond*) 1948.

- WALDO BLANCHARD LYON, A.B. 1945 (1947).
 WALTER MOORE McCLELLAND, A.B. (*Univ. of Virginia*) 1944, LL.B. (*Harvard Univ.*) 1949.
 EDWARD DICKINSON McDUGAL, 3D, A.B. 1946 (1948).
 IAIN MacKINNON, B.A. (*Univ. of Oxford*) 1949.
 JAMES JOSEPH MANION, JR., A.B. (*Trinity Coll.*) 1948.
 SETRAG VAHAN MARDIROSIAN, S.B. (*Rutgers Univ.*) 1948.
 WARD SHERMAN MASON, A.B. (*Duke Univ.*) 1948.
 WILLIAM HENRY MATCHETT, A.B. (*Swarthmore Coll.*) 1949.
 DANIEL ERIC MAYERS, S.B. (*Univ. of Arizona*) 1944.
 ERNST JOCHEN MEYER, A.B. 1950 (1949).
 HENRY IRVING MEYER, S.B. (*Washington Univ.*) 1944.
 RICHARD FASTABEND MEYER, A.B. (*Dartmouth Coll.*) 1947.
 DWIGHT CAMERON MILLER, A.B. (*Univ. of Rochester*) 1949.
 GEORGE CLINTON MILLIGAN, B.SC. (*Dalhousie Univ.*) 1946, M.SC. (*ibid.*) 1948.
 SUBIMAL MOOKERJEE, B.A. (*Univ. of Calcutta*) 1943, M.A. (*ibid.*) 1946.
 MAURICE JOSEPH MOUNTAIN, A.B. (*Brown Univ.*) 1948.
 MARK NEUWELD, PH.B. (*Northwestern Univ.*) 1949.
 ROGER GERHARD NEWTON, A.B. 1949.
 VERNON CLERC JESSUP NEWTON, JR., A.B. (*Rice Inst.*) 1948.
 CHARLES ROBERT NIEHAUS, A.B. (*Butler Univ.*) 1949.
 ROBERT MATHESON O'CLAIR, A.B. 1949.
 OSCAR ABRAHAM ORNATI, A.B. (*Hobart Coll.*) 1949.
 OWEN ROBINSON ORR, B.A. (*Univ. of Toronto*) 1946.
 JOHN MOSES OSEPCHUK, A.B. 1948 (1949).
 LEWIS JAMES OWEN, A.B. 1949.
 MILMAN PARRY, A.B. (*Univ. of California*) 1949.
 JAMES BURNS PATRICK, S.B. (*Massachusetts Inst. of Technology*) 1949.
 PERRELL FRANKLIN PAYNE, JR., A.B. (*Univ. of North Carolina*) 1948.
 WILLIS DRUMMOND PERKINS, S.B. (*Massachusetts Inst. of Technology*) 1948.
 THOMAS OLIVER PERRY, S.B. 1947 (1949).
 RICHARD WILSON PETREE, A.B. (*Univ. of Colorado*) 1948.
 HENRY GEORGE PETROW, S.B. 1948 (1949).
 CALVIN HOWELL PHILLIPS, A.B. (*Princeton Univ.*) 1948.
 CLIFTON JACKSON PHILLIPS, A.B. (*Hiram Coll.*) 1941, TH.B. (*Starr King School for the Ministry*)
 1944.
 ROBERT JAMES PIERCE, A.B. (*Univ. of Michigan*) 1945.
 JESSE RICHARD PITTS, A.B. 1941.
 JULIUS ARTHUR POSGAY, A.B. (*Colgate Univ.*) 1948.
 WILLIAM LAURENS PRESSLY, A.B. (*Princeton Univ.*) 1931, LITT.D. (*Washington and Lee Univ.*)
 1948).
 JACK CLIFFORD RANSOME, A.B. (*Univ. of Toledo*) 1939, A.M. (*ibid.*) 1947.
 RAYMOND JEAN RAULT, DIPLÔME D'INGÉNIEUR DES ARTS ET MANUFACTURES (*Ecole Centrale des*
Arts et Manufactures) 1949.
 GEORGE BRYANT RAUP, A.B. (*Ohio Wesleyan Univ.*) 1949.
 JACK ALLISON REDDEN, A.B. (*Dartmouth Coll.*) 1948.

CHARLES FLOYD REED, A.B. (*St. Lawrence Univ.*) 1949.
 ROBERT ALAN REMOLE, A.B. (*Univ. of Minnesota*) 1949.
 JOHN EUSTACE REYNOLDS, A.B. 1944 (1945).
 CHARLES CLAYTON RICH, A.B. (*Wittenberg Coll.*) 1945.
 JOHN TERHUNE ROBERTSON, S.B. (*Juilliard School of Music*) 1948.
 HANS JACK ROGGER, A.B. (*Sarah Lawrence Coll.*) 1948.
 MYRON ROSENBLUM, A.B. (*Columbia Univ.*) 1949.
 FRANK WENDELL ROUNDS, JR., A.B. (*Princeton Univ.*) 1938.
 ROBERT HILTON RUSSELL, A.B. (*Knox Coll.*) 1949.
 HOWARD MORLEY SACHAR, A.B. (*Swarthmore Coll.*) 1947.
 MURRILL DAVID SANDERS, A.B. (*Univ. of Illinois*) 1936.
 DAVID SHOTWELL SCARROW, A.B. (*Duke Univ.*) 1949.
 CHARLES DEVEREUX SEARLES, A.B. (*Princeton Univ.*) 1949.
 MARTIN SEGAL, A.B. (*Queens Coll.*) 1948.
 KENNETH EDWIN SEGERSTROM, A.B. (*Univ. of Denver*) 1930.
 LUIS SEQUEIRA JENKINS, A.B. 1949.
 ROBERT LLOYD SHAFER, A.B. (*Univ. of Michigan*) 1947.
 LEONARD SUMNER SHEINGOLD, B.E.E. (*Syracuse Univ.*) 1947, M.E.E. (*ibid.*) 1949.
 THOMAS PAUL SHOESMITH, S.B. (*Univ. of Pennsylvania*) 1943.
 JAMES WILLIAM SKEHAN, A.B. (*Boston Coll.*) 1946, A.M. (*ibid.*) 1947.
 WILLIAM BRADLEY SLOTTMAN, A.B. (*Fordham Coll.*) 1949.
 STEPHEN JUDSON SMITH, A.B. (*Kalamazoo Coll.*) 1949.
 GEORGE CHRISTOS SOULIS, A.B. (*Tufts Coll.*) 1949.
 EPHRAIM MAURICE SPARROW, S.B. IN MECH. ENGIN. (*Massachusetts Inst. of Technology*) 1948,
 S.M. IN MECH. ENGIN. (*ibid.*) 1949.
 MARVIN SPEVACK, A.B. (*Coll. of the City of New York*) 1948.
 WALTER MILTON SPINK, A.B. (*Amherst Coll.*) 1949.
 HERBERT JOHN SPIRO, A.B. 1950 (1949).
 RALPH HENRY STAHL, A.B. 1950 (1949).
 FRANCIS GEORGE STEINER, A.B. (*Univ. of Chicago*) 1948.
 JAMES CONSTANTINE STERNBERG, S.B. (*Univ. of California*) 1948.
 PETER DONN STERNLIGHT, A.B. (*Swarthmore Coll.*) 1948.
 GLENN WILLIAM STEWART, S.B. (*Univ. of New Hampshire*) 1935, S.M. (*Syracuse Univ.*) 1937.
 JOHN WESTCOTT STEWART, A.B. (*Princeton Univ.*) 1949.
 ARTHUR ROOD STILL, S.B. (*Univ. of Arizona*) 1949.
 THOMAS IRWIN STORRS, A.B. (*Univ. of Virginia*) 1940.
 WILLIAM RICHARD STROH, S.B. 1946.
 JOHN JOSEPH SULLIVAN, JR., A.B. (*Boston Coll.*) 1948.
 FRED ALONZO TATE, S.B. (*Ohio Univ.*) 1947.
 CLIFFORD OLIVER TAYLOR, JR., B.F.A. (*Carnegie Inst. of Technology*) 1948.
 FRANCIS BRIGGS TENNY, A.B. (*Univ. of Rochester*) 1942.
 WALTER FRANKLIN TITUS, A.B. (*Amherst Coll.*) 1948.
 STOKES MUNROE TOLBERT, A.B. (*Yale Univ.*) 1948.
 ERNST WOLFGANG TREUENFELS, A.B. (*Swarthmore Coll.*) 1947.
 RAYNER STEPHENS UNWIN, B.A. (*Univ. of Oxford*) 1949.

MILTON ISADORE VANGER, A.B. (*Princeton Univ.*) 1948.
 CARMINE JOSEPH VENUTO, S.B. (*Coll. of the City of New York*) 1948.
 FEDERICO SCHMID VIDAL, LICENCIADO EN FILOSOFIA Y LETRAS (*Univ. of Barcelona*) 1940.
 ROBERT BROWN VOITTE, JR., A.B. 1950 (1949).
 CARROLL FENTON WALES, A.B. 1949.
 WILLIAM BARRON WALSH, A.B. (*Univ. of Virginia*) 1948.
 ARTHUR CYRUS WARNER, A.B. (*Princeton Univ.*) 1938, LL.B. (*Harvard Univ.*) 1946.
 SAMUEL BROWNING WARREN, A.B. (*Univ. of Nebraska*) 1948.
 EDWARD WASIOLEK, A.B. (*Rutgers Univ.*) 1949.
 FREDERICK HENRY WEAVER, A.B. (*Univ. of North Carolina*) 1937.
 ARNOLD ISIDORE WEBER, PH.B. (*Marquette Univ.*) 1949.
 SAMUEL WESTERFIELD, JR., A.B. (*Howard Univ.*) 1939.
 LEWIS BERNARD WETZEL, S.B. (*Northwestern Univ.*) 1949.
 WALTER ARTHUR WHEELER, JR., A.B. 1948.
 ANDREW GLADDING WHITESIDE, A.B. 1943.
 DANIEL EUGENE WHITTEN, A.B. (*State Univ. of Iowa*) 1943.
 JACOB DAVID WIGOD, A.B. (*New York Univ.*) 1949.
 CORNELIS WILLEMS, STUD. (*Nederlandsche Economische Hoogeschool*) 1945-47.
 ROLLIN LINCOLN WILSON, A.B. (*Univ. of California*) 1948, B.L.S. (*ibid.*) 1949.
 WILLIAM STEWART WOODSIDE, JR., S.B. (*Lehigh Univ.*) 1947.
 GEORGE WILLIAM WRIGHT, A.B. (*Kent State Univ.*) 1948.
 SUMNER JASON YAFFE, A.B. 1945.
 DONALD JORDEN YOUNG, A.B. (*Princeton Univ.*) 1949.
 LEE ADAMS YOUNG, A.B. (*Yale Univ.*) 1949.
 PAUL MAXWELL ZALL, A.B. (*Swarthmore Coll.*) 1948.
 DANIEL IRVING ZWICK, A.B. 1949.

MASTERS OF ARTS IN TEACHING

LYMAN EUSTIS BRIGGS, A.B. (*Univ. of Wisconsin*) 1948.
 RAYMOND EDWIN BROWN, A.B. 1946 (1949).
 ALAN LORBER BUCHSBAUM, A.B. (*Dartmouth Coll.*) 1948.
 ARNOLD WELLES CAWLEY, A.B. (*Wesleyan Univ., Conn.*) 1949.
 JOHN HALL CUSHMAN, A.B. 1950 (1949).
 ROBERT LEONARD FEIGENBAUM, S.B. IN ED. (*New York Univ.*) 1949.
 JOSEPH WILLIAM GIBSON, A.B. 1949 (1950).
 CHARLES JAMES GOODYEAR, B.S.C. (*McGill Univ.*) 1949.
 HAROLD BARRY HALL, A.B. (*Yale Univ.*) 1949.
 JAMES FRANCIS HAM, A.B. 1950.
 JOHN SMITH HARRIS, A.B. 1947 (1948).
 ROBERT FRANCIS HARRIS, A.B. (*Middlebury Coll.*) 1949.
 ROBERT BLOCK HEINEMAN, A.B. (*Swarthmore Coll.*) 1938, A.M. (*Harvard Univ.*) 1941.
 ROGER JAMES KUHNS, A.B. (*Univ. of Washington*) 1948, S.B. (*ibid.*) 1948.
 NORTON ALLAN LEVY, S.B. (*Univ. of Chicago*) 1948.
 RICHMOND MAYO-SMITH, JR., A.B. (*Amherst Coll.*) 1946.

GEORGE HIGGINS MOSES, A.B. (*Dartmouth Coll.*) 1949.
DONALD GLEN RADER, S.B. IN ED. (*Ohio State Univ.*) 1948.
JOSEPH CARTER REGAN, S.B. (*Tufts Coll.*) 1949.
ALAN GORDON ROBERTSON, A.B. (*Queens Coll. of the City of New York*) 1949.
ROBERT HOWE SCOTLAND, A.B. (*Clark Univ.*) 1942.
ALBERT OLIVER SMITH, A.B. 1940 (1941).
RICHARD MURRAY SPECTOR, A.B. 1948 (1947).
CHARLES DONALD TOUSLEY, S.B. (*Tufts Coll.*) 1949.
FRANCIS XAVIER VERALLI, A.B. (*Adelphi Coll.*) 1949.
JOSEPH FRANCIS WALSH, JR., S.B. 1948 (1949).
THEODORE WOODLAND WELLS, A.B. 1948 (1949).
VINCENT PAUL WRIGHT, S.B. 1938 (1947).

MASTERS IN FORESTRY

FORREST MORGAN BUCKINGHAM, B.SC. (*Univ. of New Brunswick*) 1949.
JOHN ALLAN CARR, B.SC.F. (*Univ. of Toronto*) 1947.
RICHARD ELLIS HOISINGTON, S.B. (*Univ. of Florida*) 1949.

MASTERS OF SCIENCE

HAZIM MAJID ABDUL-NOUR, DIPL. IN C.E. (*Engineering Coll. of Baghdad*) 1946.
DWIGHT WAYNE BATTEAU, A.B. 1948.
RICHARD BURNHAM BEARD, S.B. IN CHEM. ENGIN. (*Northeastern Univ.*) 1947.
JOSEPH BENDERSKY, S.B. IN MECH. ENGIN. (*Northeastern Univ.*) 1948.
BURR DEGROFF BENEDICT, JR., S.B. IN ENGIN. (*Brown Univ.*) 1949.
GUY BENVENISTE, S.B. 1948.
SIDNEY ADRIAN BERKOWITZ, S.B. IN C.E. (*Univ. of Florida*) 1935.
DON ARTHUR BERLINCOURT, S.B. IN E.E. (*Case Inst. of Technology*) 1949.
LUEN BINTASAN, B.SC. IN E.E. (*Chulalongkorn Univ.*) 1938.
JOHN VINTON BOUYOUCOS, A.B. 1949.
NORMAN HERRICK BROOKS, A.B. 1949.
GEORGE ALVIN LOUD BROWN, A.B. 1949.
GEORGE THOMAS BRYANT, A.B. (*Suffolk Univ.*) 1942, S.B. IN MECH. ENGIN. (*Oregon State Coll.*)
1945, S.B. IN C.E. (*Univ. of Maine*) 1948.
JOHN DRAPER BUCKLEY, S.B. IN C.E. (*Univ. of Maine*) 1949.
LEO WILMER CAGLEY, S.B. IN C.E. (*Iowa State Coll.*) 1941.
MATTHEW JOHN CAMPANELLA, S.B. IN E.E. (*Univ. of Notre Dame*) 1949.
JAMES HENRY CARROLL, S.B. (*U. S. Military Academy*) 1941.
CONSTANTINE BASILE CASSAPOGLOU, STUD. (*National Technical Univ., Athens*) 1943-44, 1945-49.
EDWARD SPENCER CASSEDY, JR., S.B. IN E.E. (*Union Coll.*) 1949.
BERNARD COLTEN, S.B. IN E.E. (*Northeastern Univ.*) 1949.
ROY EDWARD COOMBS, JR., S.B. 1947 (1949).

ALLEN JAMES CURTIS, S.B. IN MECH. ENGIN. (*Villanova Coll.*) 1945.
 ROBERT STANFORD DART, S.B. IN E.E. (*Lehigh Univ.*) 1948.
 BERNARD JOSEPH DUNN, A.B. (*Boston Coll.*) 1930.
 ROBERT FRANKLIN DUNNING, S.B. IN C.E. (*Tufts Coll.*) 1949.
 KEITH EDWARD EILER, S.B. (*U. S. Military Academy*) 1944.
 PAUL ROSCOE ELLIS, S.B. (*U. S. Military Academy*) 1943.
 CHARLES PAGE FISHER, JR., S.B. IN C.E. (*Univ. of Virginia*) 1949.
 KENNETH NEWTON FLOCKE, S.B. IN ENGIN. (*Princeton Univ.*) 1937.
 DONALD EDWARD FOWLER, S.B. (*U. S. Military Academy*) 1945.
 LESTER GAYNOR, S.B. IN C.E. (*Tufts Coll.*) 1949.
 JAMES COWDEN GILLILAND, S.B. IN CHEM. ENGIN. (*Univ. of Nebraska*) 1949.
 ROBERT ALFRED GROSS, S.B. IN MECH. ENGIN. (*Univ. of Pennsylvania*) 1949.
 RICHARD PAUL GROSSMAN, S.B. IN C.E. (*Univ. of New Hampshire*) 1949.
 RICHARD HULBERT GROVES, S.B. (*U. S. Military Academy*) 1945.
 JOHN KEADING HALLENBURG, S.B. (*Allegheny Coll.*) 1947, S.B. IN C.E. (*Carnegie Inst. of Technology*) 1949.
 ARTHUR PANCRATIUS HANKET, S.B. (*U. S. Military Academy*) 1945.
 RICHARD ERNEST HATCHARD, S.B. (*Oregon State Coll.*) 1947.
 CARL-ERIC RAGNAR HOLMQUIST, CHEM. E. (*Royal Inst. of Technology, Stockholm*) 1944.
 CHAANG HUANG, B.E.E. (*National Tsing Hua Univ.*) 1947.
 SUMNER GERARD HYLAND, S.B. IN C.E. (*Tufts Coll.*) 1949.
 HARRY SHEPPARD JORDAN, JR., S.B. IN CHEM. ENGIN. (*Georgia School of Technology*) 1942.
 WILLIAM CHAN KAM, S.B. IN C.E. (*Univ. of Illinois*) 1948.
 DONALD JOSEPH KARBO, S.B. IN E.E. (*Case Inst. of Technology*) 1949.
 GEOFFREY BROOKS KEYES, S.B. (*U. S. Military Academy*) 1945.
 WILLIAM GEORGE KLEIN, S.B. 1949.
 MARTIN KLOOMOK, S.B. (*Univ. of Wisconsin*) 1949.
 HARVEY JOHN KNOPF, A.B. (*Drew Univ.*) 1947.
 HARVEY CHESTER KRENTZMAN, S.B. IN MECH. ENGIN. (*Northeastern Univ.*) 1949.
 GEORGE JEAN LAMBRINIDIS, B.SC. IN E.E. (*Robert Coll.*) 1948.
 LEO OMER LANGLOIS, S.B. 1946 (1949).
 NORMAN DALE LEA, B.A.SC. (*Univ. of Toronto*) 1945.
 ROGER DALE LEE, S.B. IN C.E. (*Univ. of Kansas*) 1948.
 THEODORE LERNER, B.E.E. (*Coll. of the City of New York*) 1949.
 WALTER EDWARD MATHER, S.B. (*U. S. Military Academy*) 1941.
 WILLIAM BURROWS MERCALDI, A.B. 1950 (1949).
 SAAD LUKA MIKHAIL, B.E.E. (*Fouad I Univ.*) 1943, A.M. (*Univ. of Illinois*) 1949.
 JAMES WALKER MURRAY, S.B. (*The Citadel*) 1946.
 ARTHUR DERRY NELSON, S.B. (*U. S. Military Academy*) 1944.
 BRUCE STORY NICHOLAS, S.B. IN MECH. ENGIN. (*Rutgers Univ.*) 1949.
 WILLIAM FREDERICK O'ROURKE, S.B. IN MECH. ENGIN. (*Gonzaga Univ.*) 1949.
 WILLIAM HUNTER OWEN, B.E. (*Vanderbilt Univ.*) 1944.
 JOHN HAWORTH PALMER, A.B. 1947 (1949).
 FRANK LEON PARKER, S.B. IN C.E. (*Massachusetts Inst. of Technology*) 1948.
 EVERETT BURR PECK, S.B. (*Univ. of California*) 1946.

SOL PILCH, S.B. IN C.E. (*Purdue Univ.*) 1948.
 JOSEF SIEGFRIED PISTINER, B.E.E. (*Coll. of the City of New York*) 1949.
 JOHN FLEMING PURDY, B.A. (*Univ. of Cambridge*) 1948.
 FRANCIS CASIMIR PYSZ, S.B. IN C.E. (*Rhode Island State Coll.*) 1948.
 ARTHUR LOUIS QUAGLIERI, S.B. IN C.E. (*Northeastern Univ.*) 1949.
 PAUL BLAND RICHARDS, S.B. (*U. S. Naval Academy*) 1945.
 DAVID ADOLPHUS ROBERTSON, JR., S.B. (*Virginia Polytechnic Inst.*) 1947.
 FREDERICK CHARLES ROECKER, JR., S.B. (*U. S. Military Academy*) 1942.
 GROVER LEE ROGERS, S.B. (*Virginia Polytechnic Inst.*) 1948, S.M. (*ibid.*) 1949.
 FRANK JOSEPH ROSATO, S.B. IN MECH. ENGIN. (*Northeastern Univ.*) 1947, S.M. (*Tufts Coll.*) 1949.
 HARVEY RUBINSTEIN, B.E.E. (*Coll. of the City of New York*) 1949.
 JERRY SEVICK, S.B. (*Wayne Univ.*) 1940, S.M. (*ibid.*) 1946.
 MURRAY SHABIS, B.E.E. (*Coll. of the City of New York*) 1949.
 LILLARD N SHARPE, S.B. (*Tennessee Polytechnic Inst.*) 1948.
 KUCHEN SHEN, B.S.C. IN E.E. (*National Tung Chi Univ.*) 1945.
 ROBERT JEREMY SHERWOOD, B.S.C. (*Univ. of London*) 1944.
 CHARLES LOWNDES STEEL, JR., S.B. (*U. S. Military Academy*) 1944.
 SEYMOUR STEIN, B.E.E. (*Coll. of the City of New York*) 1949.
 TSE YUNG SUNG, B.S.C. (*National Tung Chi Univ.*) 1945.
 AUGUST JOHN SZABO, S.B. (*Louisiana State Univ.*) 1943.
 JOSE MARIA TAMAYO, INGENIERO CIVIL (*Univ. Nacional de Colombia*) 1948.
 DAVID WILLIAM VIGODA, S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1948.
 JOHN LEVI WARNER, S.B. IN E.E. (*Tufts Coll.*) 1942.
 ALAN EVANS WESTON, S.B. (*U. S. Military Academy*) 1944.
 DONALD RICHARD WITSIL, B.E.E. (*Univ. of Delaware*) 1949.

MASTER OF ENGINEERING SCIENCE

WILLIAM RANDOLPH BERRY, S.B. IN MECH. ENGIN. (*Drexel Inst.*) 1940.

MASTER OF SCIENCE IN ENGINEERING ADMINISTRATION

HENRY DAVID EPSTEIN, S.B. IN ENGIN. (*Brown Univ.*) 1948.

DOCTORS OF PHILOSOPHY

ARTHUR LAVERNE ADEN, A.M. (*Harvard Univ.*) 1948, M.ENG.SCI. (*ibid.*) 1949. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electrodynamics. *Thesis*, "Electromagnetic Scattering from Metal and Water Spheres."

ROBERT DORCHESTER ALLEN, S.B. 1944 (1946), A.M. 1947. *Subject*, Geology. *Special Field*, Mineralogy. *Thesis*, "Variations in Chemical and Physical Properties of Fluorite."

- DIOGENES JAMES ANGELAKOS, S.B. IN E.E. (*Univ. of Notre Dame*) 1942, S.M. (*Harvard Univ.*) 1946. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electric Networks. *Thesis*, "Current and Charge Distributions on Antennas and Open-Wire Lines."
- ALBERT FRANCIS AX, S.B. (*Univ. of Washington*) 1940, A.M. (*Harvard Univ.*) 1950. *Subject*, Clinical Psychology. *Special Field*, Psychodiagnostics. *Thesis*, "The Effect of Combat Fatigue on Imaginal Processes: an Evaluation of Leo Alexander's Rorschach Tests on Flying Personnel."
- DONALD HESTON BAIRD, S.B. (*Haverford Coll.*) 1943, A.M. (*Harvard Univ.*) 1950. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "Intensity Studies in Microwave Spectra."
- ROBERT EDWARD BALDWIN, A.B. (*Univ. of Buffalo*) 1945, A.M. (*Harvard Univ.*) 1949. *Subject*, Economics. *Special Field*, International Trade. *Thesis*, "The Economics of Internal Migration in the United States, 1870-1940."
- GLEN THOMAS BARTON, S.B. (*Univ. of Missouri*) 1933, A.M. (*Harvard Univ.*) 1950. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Labor Productivity in American Agriculture."
- RAYMOND AUGUSTINE BAUER, S.B. (*Northwestern Univ.*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, Social Psychology. *Special Field*, Culture and Personality. *Thesis*, "The Conception of Man in Soviet Psychology."
- CURT FREDERIC BECK, A.B. (*Cornell Univ.*) 1943, A.M. (*Tufts Coll.*) 1944. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "Edvard Beneš's Political Theory: Application of Democracy to International Relations."
- KURT BERMAN, S.B. (*Western Reserve Univ.*) 1945, S.M. (*Harvard Univ.*) 1947. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Heat Transfer. *Thesis*, "Erosion by Heat Transfer and Diffusion."
- LUTHER JOHN BINKLEY, A.B. (*Franklin and Marshall Coll.*) 1945, B.D. (*Theol. Seminary of the Evangelical and Reformed Church*) 1947. *Subject*, History and Philosophy of Religion. *Special Field*, The Mercersburg Theology. *Thesis*, "The Mercersburg Theology."
- JOHN MORTON BLUM, A.B. 1943, A.M. 1947. *Subject*, History. *Special Field*, American History since 1789. *Thesis*, "Tumulty and the Wilson Era."
- DAVID BODANSKY, S.B. 1944 (1943), A.M. 1948. *Subject*, Physics. *Special Field*, Experimental Nuclear Physics. *Thesis*, "Neutron Energy Distribution in Proton Bombardment of Beryllium."
- ARTHUR ROSS BORDEN, JR., A.B. 1939, A.M. 1941. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Henry V: Facts and Problems."
- WILLIAM JAMES BOUWSMA, A.B. 1944 (1943), A.M. 1947. *Subject*, History. *Special Field*, Intellectual History, 1400-1600. *Thesis*, "Guillaume Postel and the Problem of World Unity."

- EDGAR CORNELL BOWMAN, S.B. (*Univ. of Washington*) 1937, A.M. (*Harvard Univ.*) 1949. *Subject*, Geology. *Special Field*, Structural Geology. *Thesis*, "Stratigraphy and Structure of the Orient Area, Washington."
- HERBERT EUGENE BOWMAN, A.B. (*Univ. of Pennsylvania*) 1938, A.M. (*Harvard Univ.*) 1941. *Subject*, Comparative Literature. *Special Field*, Modern: Russian, French, English. *Thesis*, "Literature and Society in the Critical Theory of V. G. Belinski (1811-1848)."
- FREDERICK CALVIN BROWN, S.B. 1946 (1945), A.M. 1947. *Subject*, Physics. *Special Field*, Cosmic Ray Physics. *Thesis*, "Nuclear Interactions of Cosmic Rays in a Silver Chloride Crystal."
- JAMES STEPHEN BROWN, A.B. (*Berea Coll.*) 1937, A.M. (*Harvard Univ.*) 1941. *Subject*, Sociology. *Special Field*, Rural Sociology. *Thesis*, "The Social Organization of an Isolated Kentucky Mountain Neighborhood."
- WILLIAM LOUIS BROWN, JR., S.B. (*Pennsylvania State Coll.*) 1947. *Subject*, Biology. *Special Field*, Zoology. *Thesis*, "Revisionary Studies in the Ant Tribe Dacetini."
- GEORGE COCHRANE BRYAN, A.B. (*Williams Coll.*) 1942, A.M. (*Harvard Univ.*) 1950. *Subject*, Political Science. *Special Field*, National Government of the United States. *Thesis*, "Concepts of Leadership in American Political Thought: the Puritan Period."
- JOHN MARSHALL BULLITT, A.B. 1943, A.M. 1947. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Swift's Satiric Technique: a Study of Some Basic Devices in Swift's Prose Satire."
- JOEL SHACKELFORD CANBY, A.B. (*Colorado Coll.*) 1941, A.M. (*Harvard Univ.*) 1948. *Subject*, Anthropology. *Special Field*, Archaeology and Ethnography. *Thesis*, "Excavations at Yarumela, Spanish Honduras: Recovery, Description, and Interpretation of a Long Ceramic Sequence."
- JOSEPH DOUGLAS CARROLL, JR., A.B. (*Dartmouth Coll.*) 1938, M.C.P. (*Harvard Univ.*) 1947. *Subject*, Regional Planning. *Special Field*, Government and Public Administration. *Thesis*, "Home-Work Relationships of Industrial Employees: an Investigation of Relationships of Living and Working Places for Industrial Employees with attention to Implications for Industrial Siting and City Planning."
- JOHN FREDERIC CARSPECKEN, A.B. (*Princeton Univ.*) 1936, A.M. (*Harvard Univ.*) 1937. *Subject*, Philology. *Special Field*, Classical Philology. *Thesis*, "Apollonius Rhodius and the Homeric Epic."
- RICHARD ELIOT CHAMBERLIN, A.B. (*Univ. of Utah*) 1943, A.M. (*Harvard Univ.*) 1947. *Subject*, Mathematics. *Special Field*, Topology. *Thesis*, "On the Mappings of a 4-Complex into Certain Simply Connected Spaces."
- PING-HSI CHANG, B.S.C. (*National Univ. of Peking*) 1940, A.M. (*Harvard Univ.*) 1948. *Subject*, Geology. *Special Field*, Petrology and Structural Geology. *Thesis*, "Structure and Metamorphism of the Bridgewater-Woodstock Area, Vermont."

- JOSEPH EUGENE CHARLES, A.B. (*Univ. of Illinois*) 1928, A.M. (*ibid.*) 1930, A.M. (*Harvard Univ.*) 1934. *Subject*, History. *Special Field*, American History. *Thesis*, "The Party Origins of Jeffersonian Democracy."
- MILLS GARDNER CLARK, A.B. 1939, A.M. (*Univ. of Minnesota*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "Some Economic Problems of the Soviet Iron and Steel Industry."
- PAUL GORDON CLARK, A.B. (*Univ. of Colorado*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, Economics. *Special Field*, Economic Fluctuations and Forecasting. *Thesis*, "An Empirical Study of Investment."
- WILLIAM AMES COATES, A.B. 1937, A.M. 1939. *Subject*, Comparative Literature. *Special Field*, Modern: *Russian*, German, Swedish. *Thesis*, "Tjutchev and Germany: the Relationship of his Poetry to German Literature and Culture."
- HAROLD CONROY, S.B. (*Massachusetts Inst. of Technology*) 1948. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Syntheses in the Morphine Series."
- EDWIN RAYMOND COREY, A.B. (*Amherst Coll.*) 1941, M.B.A. (*Harvard Univ.*) 1946, A.M. (*ibid.*) 1947. *Subject*, Business Economics. *Special Field*, Principles of Money and Banking. *Thesis*, "The Private Placement of Corporate Securities with Life Insurance Companies."
- RICHARD STANCLIFFE CORLEY, S.B. 1943. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, I. "5-Methyl-2-Pyrone-4,6-Dicarboxylic Acid." II. "The Reaction of Acetoacetic Ester with 4-Methyl-4-Dichloromethyl-Cyclohexadienone."
- JAMES BRUCE CRABTREE, A.B. (*Univ. of Kansas*) 1941, A.M. (*ibid.*) 1942. *Subject*, Mathematics. *Special Field*, Analysis. *Thesis*, "Dual Rings and Derivations."
- CLEVELAND CORNEIL CRAM, JR., A.B. (*St. John's Univ.*) 1938, A.M. (*Harvard Univ.*) 1948. *Subject*, Political Science. *Special Field*, Comparative Modern Government. *Thesis*, "The Government and Politics of Modern Ireland: a Study in the Development of a National State."
- BASIL LONG CRAPSTER, A.B. (*Princeton Univ.*) 1941, A.M. (*Harvard Univ.*) 1942. *Subject*, History. *Special Field*, Modern British History. *Thesis*, "'Our Trade, Our Politics': a Study of the Political Activity of the British Liquor Industry, 1868-1910."
- PAUL MAURICE DANDURAND, INGÉNIEUR DIPLÔMÉ (*Ecole Polytechnique*) 1947, A.M. (*Harvard Univ.*) 1949. *Subject*, Physics. *Special Field*, Atomic Physics and Chemical Physics. *Thesis*, "Electron Density and Spectroscopic Measurements in Mercury and Cesium Vapors."
- RALPH DANIELS, A.B. (*Brooklyn Coll.*) 1944, A.M. (*Harvard Univ.*) 1949. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "The Synthesis of Diacetylbutadiene."
- HORACE CHANDLER DAVIS, S.B. 1946 (1945), A.M. 1947. *Subject*, Mathematics. *Special Field*, Lattice Theory. *Thesis*, "Lattices and Modal Operators."

- ALLEN DEVINATZ, S.B. IN MECH. ENGIN. (*Illinois Inst. of Technology*) 1944, A.M. (*Harvard Univ.*) 1947. *Subject*, Mathematics. *Special Field*, Functional Analysis. *Thesis*, "Transformations in Reproducing Kernel Spaces."
- JAMES ALLEN DIEFENBECK, A.B. (*Williams Coll.*) 1939, A.M. (*Harvard Univ.*) 1947. *Subject*, Philosophy. *Special Field*, Philosophy of History. *Thesis*, "The Nature of Historical Knowledge."
- JOHN WARNER DREBINGER, S.B. IN MECH. ENGIN. (*Univ. of Pennsylvania*) 1941, S.M. (*Harvard Univ.*) 1943. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Fluid Mechanics. *Thesis*, "Detached Shock Waves."
- BRADFORD DUNHAM, A.B. (*Coll. of William and Mary*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, Philosophy. *Special Field*, Logic. *Thesis*, "Elementary Logic as an Instrument for Concept Construction."
- CARL LODEWIJK EBELING, CANDIDATUS (*Univ. of Amsterdam*) 1945, DOCTORANDUS (*ibid.*) 1947. *Subject*, Philology. *Special Field*, Slavic Philology. *Thesis*, "The Parts of the Sentence in Modern Russian: a Structural Analysis."
- PETER ELIAS, S.B. (*Massachusetts Inst. of Technology*) 1944, A.M. (*Harvard Univ.*) 1948, M.ENG.SCI. (*ibid.*) 1949. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Theory of Communications. *Thesis*, "Predictive Coding."
- ERNEST ANDREW ENGELBERT, A.B. (*Univ. of Wisconsin*) 1939, M.P.A. (*Harvard Univ.*) 1949. *Subject*, Political Science. *Special Field*, American Public Administration. *Thesis*, "American Policy for Natural Resources: an Historical Survey to 1862."
- JOHN TEMPLAR EVANS, A.B. (*Yale Univ.*) 1937, S.M. (*Brown Univ.*) 1940, A.M. (*Harvard Univ.*) 1950. *Subject*, Clinical Psychology. *Special Field*, Psychodiagnostics. *Thesis*, "Objective Measurement of the Therapeutic Group Process."
- FRANKLIN LEWIS FORD, A.B. (*Univ. of Minnesota*) 1942, A.M. (*Harvard Univ.*) 1948. *Subject*, History. *Special Field*, Modern Europe. *Thesis*, "The High Noblesse de Robe and the Regrouping of the French Aristocracy, 1715-1748."
- CHARLES ALVIN FOSTER, A.B. (*Linfield Coll.*) 1935, S.M. (*Georgetown Univ.*) 1937, A.M. (*Harvard Univ.*) 1940, DR. (*Univ. of Paris*) 1949. *Subject*, History. *Special Field*, Social and Economic History of France. *Thesis*, "Honoring Commerce and Industry in Eighteenth-century France: a Case Study of Changes in Traditional Social Functions."
- RUSSELL ALFRED FRASER, A.B. (*Dartmouth Coll.*) 1947, A.M. (*Harvard Univ.*) 1949. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Court of Venus."
- LIONEL JOSEPH FRIEDMAN, A.B. 1943, A.M. 1947. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "One of the 'Happy Few' in America: the American Voyage of Victor Jacquemont."
- ARTHUR PARCEL GARDNER, JR., A.B. (*Duke Univ.*) 1944, A.M. (*Harvard Univ.*) 1945. *Subject*, Philology. *Special Field*, Germanic Philology. *Thesis*, "The Individual and Society in the Works of Heinrich Mann: the Development of the Political Author."

- JOSEPH LOUIS EMILE PAUL GAUTHIER, A.B. 1938, A.M. 1947. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "La Revue Blanche (1891-1903) and its Influence on the Dramatic, Artistic, and Literary Currents of its Time."
- ALLAN GEORGE GILLINGHAM, B.A. (McGill Univ.) 1930, B.A. (Univ. of Oxford) 1932, M.A. (ibid.) 1937, A.M. (Harvard Univ.) 1945. *Subject*, Philology. *Special Field*, Classical Philology. *Thesis*, "The Prooemia in Cicero's Works on Philosophy, Politics, and Rhetoric."
- LYLE EDWARD GLAZIER, A.B. (Middlebury Coll.) 1933, A.M. (ibid.) 1937. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Spenser's Imagery: Imagery of Good and Evil in *The Faerie Queene*."
- DANIEL GORENSTEIN, A.B. 1944 (1943), A.M. 1948. *Subject*, Mathematics. *Special Field*, Algebraic Geometry. *Thesis*, "An Arithmetic Theory of Adjoint Plane Curves."
- WILLIAM EDGAR GRIFFITH, A.B. (Hamilton Coll.) 1940, A.M. (Harvard Univ.) 1941. *Subject*, History. *Special Field*, Modern German History. *Thesis*, "The Denazification Program in the United States Zone of Germany."
- WENDELL DEADY HANCE, S.B. (Northwestern Univ.) 1935, A.M. (Harvard Univ.) 1942. *Subject*, Economics. *Special Field*, Economic Fluctuations and Forecasting. *Thesis*, "The Influence of Automotive Transport Development on Investment and National Income."
- GORDON ANDREWS HARRISON, A.B. (Columbia Univ.) 1935. *Subject*, History of American Civilization. *Special Field*, United States Diplomatic History. *Thesis*, "Cross-Channel Attack."
- ELMER OTTO HARTIG, S.B. IN E.E. (Univ. of New Hampshire) 1946, S.M. (Harvard Univ.) 1947. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electrodynamics. *Thesis*, "Circular Apertures and their Effects on Half-Dipole Impedances."
- MILES VAN VALZAH HAYES, A.B. (Yale Univ.) 1932, S.B. IN E.E. (Massachusetts Inst. of Technology) 1934, A.M. (Harvard Univ.) 1947. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Applied Mathematics. *Thesis*, "Numerical Solutions of Differential Equations, Using Automatic Computers."
- DONALD FRANCIS HEANY, A.B. (Georgetown Univ.) 1940, A.M. (ibid.) 1941, A.M. (Harvard Univ.) 1947. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "The 'Chosen Instrument' Policy in International Aviation."
- HOWARD HARRY HINES, A.B. (State Univ. of Iowa) 1942, A.M. (Harvard Univ.) 1948. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "Ophthalmic Goods: Industrial Structure and Competitive Behavior in the United States."
- JACK HIRSHLEIFER, S.B. 1946 (1945), A.M. 1948. *Subject*, Economics. *Special Field*, Labor Problems. *Thesis*, "Price Flexibility and General Interdependence."
- RICHARD BENNETT HOVEY, A.B. (Univ. of Cincinnati) 1942, A.M. (Harvard Univ.) 1943. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "John Jay Chapman: the Early Years."

- MARIUS BERTHUS JANSEN, A.B. (*Princeton Univ.*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, History. *Special Field*, Modern Far Eastern History. *Thesis*, "The Japanese and the Chinese Revolutionary Movement, 1895-1915."
- ERNEST ALFRED JOHNSON, JR., A.B. (*Amherst Coll.*) 1939, A.M. (*Univ. of Chicago*) 1940, A.M. (*Harvard Univ.*) 1941. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "Juan Antonio Pérez Bonalde, 1846-1892: a Biographical Study."
- RICHARD CLARK JOHNSON, A.B. (*Colby Coll.*) 1941. *Subject*, Philosophy. *Special Field*, Epistemology. *Thesis*, "A Preface to a Metaphysics of Value."
- HOWARD VALLANCE JONES, JR., A.B. 1943 (1946), A.M. 1947. *Subject*, History. *Special Field*, The History of England, 1485-1714. *Thesis*, "The Rise to Power: the Life of Sir Robert Cecil, First Earl of Salisbury, from his Birth to the Death of Queen Elizabeth."
- ROBERT WOODROW JORDAN, A.B. 1939, A.M. 1947. *Subject*, Philosophy. *Special Field*, Ethics. *Thesis*, "Ethics and Aesthetics in Plato's Philosophy."
- HELLMUT JOSEPH JURETSCHKE, S.B. 1946 (1944), A.M. 1947. *Subject*, Physics. *Special Field*, Quantum Mechanics of the Solid State. *Thesis*, "The Surface Energy and Surface Structure of Metals."
- MARK LEO KAHN, A.B. (*Columbia Univ.*) 1942, A.M. (*Harvard Univ.*) 1948. *Subject*, Economics. *Special Field*, Labor Problems. *Thesis*, "Industrial Relations in the Airlines: the Interaction of Unions, Managements, and Government in a Regulated and Subsidized Industry."
- KENNETH SEALER KANTZER, A.B. (*Ashland Coll.*) 1938, A.M. (*Ohio State Univ.*) 1939, B.D. (*Faith Theol. Seminary*) 1942, S.T.M. (*ibid.*) 1943. *Subject*, History and Philosophy of Religion. *Special Field*, The Theology of Calvin and of Calvinism. *Thesis*, "John Calvin's Theory of the Knowledge of God and the Word of God."
- JACOB JULIUS KAPLAN, A.B. 1940, A.M. 1941. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Economic Growth in Eastern Europe."
- JULIAN KEILSON, S.B. (*Brooklyn Coll.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Physics. *Special Field*, Theoretical Nuclear Physics. *Thesis*, "The Splitting of L-Shells in Heavy Nuclei by the Tensor Interaction."
- ABRAHAM KLEIN, A.B. (*Brooklyn Coll.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Physics. *Special Field*, Meson Theory of Nuclear Forces. *Thesis*, "On the Relativistic Theory of Meson Fields." I. "Electromagnetic Properties of Nucleons." II. "The Coupling of a Kemmer Field to a Dirac Field."
- EUGENE STORM KLISE, A.B. (*Whitman Coll.*) 1929, A.M. (*Univ. of Washington*) 1939, A.M. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, Principles of Money and Banking. *Thesis*, "The National Debt and Control of Bank Credit."

- RALPH DAVID KODIS, S.B. IN E.E. (*Northeastern Univ.*) 1940, S.M. (*Harvard Univ.*) 1947. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electrodynamics. *Thesis*, "An Experimental Investigation of Microwave Diffraction."
- ROBERT LEWIS KOEHL, A.B. 1944 (1947), A.M. 1948. *Subject*, History. *Special Field*, German History. *Thesis*, "RKFDV: German Resettlement and Population Policy in Poland, 1939-1945."
- EDWARD CHARLES KOLLMANN, S.B. (*Bowdoin Coll.*) 1941, A.M. (*Harvard Univ.*) 1947. *Subject*, Philosophy. *Special Field*, Metaphysics and Epistemology. *Thesis*, "Studies in the Modern Theory of Imagination with especial reference to its Historical Development from the Renaissance to Kant."
- HARWOOD GEORGE KOLSKY, S.B. (*Univ. of Kansas*) 1943, S.M. (*ibid.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Physics. *Special Field*, Experimental Nuclear Physics. *Thesis*, "The Radiofrequency Spectrum of H₂ in a Magnetic Field."
- BERNARD MORDECAI KRAMER, A.B. (*Brooklyn Coll.*) 1944, A.M. (*Harvard Univ.*) 1946. *Subject*, Social Psychology. *Special Field*, Intergroup Relations. *Thesis*, "Residential Contact as a Determinant of Attitudes toward Negroes."
- ANDREW GEORGE KRIDL, A.B. (*Wesleyan Univ.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "Studies in Urease Inhibition."
- ALLAN ANDREW KUUSISTO, A.B. (*Wittenberg Coll.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "The Influence of the National Council for Prevention of War on United States Foreign Policy, 1935-1939."
- WILLIAM WILSON LAMBERT, A.B. (*Brown Univ.*) 1942, A.M. (*Univ. of Nebraska*) 1943. *Subject*, Social Psychology. *Special Field*, Socialization. *Thesis*, "The Acquisition and Extinction of Instrumental Response Sequences in the Behavior of Children and Rats."
- BERNARD ROBERT LANDAU, S.B. (*Massachusetts Inst. of Technology*) 1947, A.M. (*Harvard Univ.*) 1949. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Steric Course of the α -Pyrone Maleic Anhydride Addition."
- HAROLD OLAF LARSON, S.B. (*Univ. of Wisconsin*) 1943, S.M. (*Purdue Univ.*) 1947. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, I. "A Reinvestigation of Thorpe's Synthesis of Bicyclobutane Derivatives." II. "The Synthesis of 3', 8-Dimethyl-1, 2-Cyclopentenophenanthrene."
- DAVID RAYMOND LAYZER, A.B. 1946 (1947). *Subject*, Astronomy. *Special Field*, Theoretical Astrophysics. *Thesis*, "Two Problems in the Theory of Atomic Spectra: Orbit — Orbit Interaction and Central Fields."
- LUNA BERGÉRE LEOPOLD, S.B. (*Univ. of Wisconsin*) 1936, A.M. (*Univ. of California*) 1944. *Subject*, Geology. *Special Field*, Geomorphology. *Thesis*, "The Erosion Problem of Southwestern United States."

- JOHN PRIOR LEWIS, A.B. (*Union Coll.*) 1941, M.P.A. (*Harvard Univ.*) 1943. *Subject*, Political Economy and Government. *Special Field*, Economic Policy. *Thesis*, "Toward An Administrable Price Policy for Full Employment."
- WILLIAM WIRT LOCKWOOD, JR., A.B. (*DePauw Univ.*) 1927, A.M. (*Harvard Univ.*) 1929. *Subject*, Economics. *Special Field*, Economic History since 1750. *Thesis*, "The Economic Development of Japan: Growth and Structural Change, 1868-1938."
- JOHN ALEXANDER LOUTIT, B.A.S.C. (*Univ. of Toronto*) 1938, S.M. (*Harvard Univ.*) 1946. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electron Physics. *Thesis*, "Electron Tube Parameters at High Frequencies."
- RICHARD MILTON LUDWIG, A.B. (*Univ. of Michigan*) 1942, A.M. (*Harvard Univ.*) 1943. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Career of William Winter, American Drama Critic: 1836-1917."
- WALLACE TREVETHIC MACCAFFREY, A.B. (*Reed Coll.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, History. *Special Field*, The History of England, 1485-1714. *Thesis*, "The Civic Community of Exeter, 1550-1603."
- WOODROW WILSON MCPHERSON, S.B. (*North Carolina State Coll.*) 1938, S.M. (*Louisiana State Univ.*) 1940. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Opportunities for Economic Adjustments in Agriculture, with particular reference to the Southern Piedmont of North Carolina."
- DUNCAN MACRAE, JR., A.B. (*Johns Hopkins Univ.*) 1942, A.M. (*Harvard Univ.*) 1943. *Subject*, Social Psychology. *Special Field*, Public Opinion and Propaganda. *Thesis*, "The Development of Moral Judgment in Children."
- JAMES GRAY MADDOX, B.S.A. (*Univ. of Arkansas*) 1927, S.M. (*Univ. of Wisconsin*) 1930, M.P.A. (*Harvard Univ.*) 1948. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "The Farm Security Administration."
- JOHN BENJAMIN MAGEE, JR., A.B. (*Univ. of Washington*) 1938, A.M. (*Boston Univ.*) 1940, S.T.B. (*ibid.*) 1941, A.M. (*Harvard Univ.*) 1946. *Subject*, Sociology. *Special Field*, Sociology of Religion. *Thesis*, "Sri Ramakrishna and John Woolman: a Study in the Sociology of Sanctity."
- ALAN SUSSMANN MANNE, A.B. 1944 (1943), A.M. 1948. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "Petroleum Refining: a Case Study in Joint Supply."
- FREDERICK BROWNING MARBUT, A.B. (*George Washington Univ.*) 1938, A.M. (*Harvard Univ.*) 1939. *Subject*, History. *Special Field*, American History since 1789. *Thesis*, "The History of Washington Newspaper Correspondence to 1861."
- WALTER LINCOLN MARSHALL, A.B. (*Princeton Univ.*) 1945. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "The Photolysis of Ketene."
- CURTIS WILSON MARTIN, A.B. (*Univ. of New Mexico*) 1938, A.M. (*ibid.*) 1940, A.M. (*Harvard Univ.*) 1950. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "The History and Theory of the Functional Approach to International Organization."

- LEO MARX, S.B. 1941. *Subject*, History of American Civilization. *Special Field*, Intellectual History. *Thesis*, "Hawthorne and Emerson: Studies in the Impact of the Machine Technology upon the American Writer."
- ARNOLD MEADOW, A.B. (*Brooklyn Coll.*) 1940, A.M. (*Univ. of Minnesota*) 1942. *Subject*, Clinical Psychology. *Special Field*, Psychodiagnostics. *Thesis*, "Anxiety, Concrete Thinking and Blood Pressure Changes in Schizophrenia."
- EUGEN MERZBACHER, A.M. (*Harvard Univ.*) 1948. *Subject*, Physics. *Special Field*, Quantum Mechanics. *Thesis*, "Higher Order Effects in Beta-Decay."
- CHARLES MEYER, A.B. (*Washington Univ.*) 1937, S.M. (*ibid.*) 1939, A.M. (*Harvard Univ.*) 1941. *Subject*, Geology. *Special Field*, Mining and Economic Geology. *Thesis*, "Hydrothermal Wall Rock Alteration at Butte, Montana."
- JOSEPH MILECK, B.A. (*McMaster Univ.*) 1945, A.M. (*Harvard Univ.*) 1946. *Subject*, Philology. *Special Field*, Germanic Philology. *Thesis*, "Hermann Hesse: a Study."
- FRANK GUSTUVAS MILLER, S.B. 1943, A.M. 1948. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Acoustics. *Thesis*, "Stylus-Groove Relations in Phonograph Records."
- OSCAR NEAL MILLER, S.B. (*Univ. of Missouri*) 1941, A.M. (*ibid.*) 1942. *Subject*, Medical Sciences. *Special Field*, Biological Chemistry. *Thesis*, "A Study of the *in vitro* Metabolism of Cardiac Muscle with especial reference to Niacin and Folic Acid Deficiency."
- CARL ALBERT MORITZ, A.B. (*Univ. of Kansas*) 1940, A.M. (*Harvard Univ.*) 1948. *Subject*, Geology. *Special Field*, Stratigraphy. *Thesis*, "Mesozoic Stratigraphy of a Portion of Southwestern Montana."
- BEN ROY MOTTelson, S.B. (*Purdue Univ.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Physics. *Special Field*, Theoretical Nuclear Physics. *Thesis*, "The Ground States of Lithium 6 and Lithium 7."
- YOUSSEF SHAWKI MOUSTAFA, B.S.C. (*Fouad I Univ.*) 1946. *Subject*, Geology. *Special Field*, Vertebrate Palaeontology. *Thesis*, "Structure and Affinities of the Permian Amphibian *Parioxys Ferricolus*, Cope."
- PEDRO MUNOZ-AMATO, A.B. (*Univ. of Puerto Rico*) 1940, LL.B. (*ibid.*) 1942, LL.M. (*Harvard Univ.*) 1943, A.M. (*ibid.*) 1947. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "Executive Reorganization in the Government of Puerto Rico under the Executive Governor Act of 1947."
- WILLIAM RHOADS MURPHEY, 3D, A.B. 1941, A.M. 1943, A.M. 1948. *Subject*, Geography. *Special Field*, Far East. *Thesis*, "The Economic Geography of Shanghai: the Role of Water Transport in the Growth of the City."
- GEORGE MORRIS NONNEMAKER, A.B. (*Bowling Green State Univ.*) 1941, A.M. (*Harvard Univ.*) 1947. *Subject*, Physics. *Special Field*, Cosmic Ray Physics. *Thesis*, "Cloud Chamber Analysis of Selected Particles in the Sea-Level Cosmic Radiation."

- JAMES ADOLPHUS NORTON, A.B. (*Louisiana State Univ.*) 1945, A.M. (*ibid.*) 1946, A.M. (*Harvard Univ.*) 1949. *Subject*, Political Science. *Special Field*, State and Local Government. *Thesis*, "Rural Public Health Administration: a Case Study of Determinants in Local Government."
- WILLIAM LEROY NUTTING, A.B. 1944 (1943). *Subject*, Biology. *Special Field*, Zoölogy. *Thesis*, "A Comparative Anatomical Study of the Heart and Accessory Structures of the Orthopteroid Insects."
- ERNEST LINWOOD OHLE, JR., A.B. (*Washington Univ.*) 1938, S.M. (*ibid.*) 1940, A.M. (*Harvard Univ.*) 1941. *Subject*, Geology. *Special Field*, Mining Geology. *Thesis*, "The Influence of Permeability on Ore Deposition in Limestone and Dolomite."
- JAMES KENNETH O'LOANE, S.B. (*St. Benedict's Coll.*) 1935, S.M. (*Univ. of Washington*) 1944, A.M. (*Harvard Univ.*) 1947. *Subject*, Chemical Physics. *Special Field*, Infrared Spectroscopy. *Thesis*, "Studies in the Far Infrared."
- FAUSTINO TAMBAN ORILLO, B.S.C. (*Univ. of the Philippines*) 1944, A.M. (*Harvard Univ.*) 1948. *Subject*, Biology. *Special Field*, Botany. *Thesis*, "Studies on the Leafspot Disease of Maize caused by *Helminthosporium maydis*."
- DOUGLAS SEYMOUR PAAUW, A.B. (*Calvin Coll.*) 1946, A.M. (*Harvard Univ.*) 1949. *Subject*, Economics. *Special Field*, Public Finance. *Thesis*, "Chinese Public Finance during the Nanking Government Period."
- WILLIAM JACOB PAFF, A.B. (*Univ. of Wisconsin*) 1928, A.M. (*Harvard Univ.*) 1931. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Geographical and Ethnic Names in the Thithriks Saga: a Study in the Old Germanic Heroic Legend."
- HAROLD CLARENCE PASSER, S.B. 1943, A.M. 1948. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "The Development of the Electrical Manufacturing Industry in the United States, 1875-1900: a Study in Competition, Entrepreneurship, and Technical Change."
- SHERMAN PAUL, A.B. (*State Univ. of Iowa*) 1941, A.M. (*Harvard Univ.*) 1948. *Subject*, History of American Civilization. *Special Field*, American Literature. *Thesis*, "The Angle of Vision and the Arc of the Circle: 'Correspondence' in Emerson's Transcendental Vision."
- RICHARD FOOTE PEDERSEN, A.B. (*Coll. of the Pacific*) 1946, A.M. (*Stanford Univ.*) 1947. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "The Promotion of Human Rights by the United Nations."
- THEODORE PETERS, JR., S.B. (*Lehigh Univ.*) 1943. *Subject*, Medical Sciences. *Special Field*, Biochemistry. *Thesis*, "Studies on Serum Albumin Production *in vitro*."
- MERRILL DANIEL PETERSON, A.B. (*Univ. of Kansas*) 1943. *Subject*, History of American Civilization. *Special Field*, American Intellectual History. *Thesis*, "The Jefferson Image in the American Mind, 1826-1861."

- EDWARD HAKE PHILLIPS, A.B. (*Univ. of Cincinnati*) 1940, A.M. (*Harvard Univ.*) 1946. *Subject*, History. *Special Field*, American History since 1789. *Thesis*, "The Public Career of Timothy Pickering, Federalist, 1745-1802."
- RICHARD EDGAR PIPES, A.B. (*Cornell Univ.*) 1945, A.M. (*Harvard Univ.*) 1947. *Subject*, History. *Special Field*, Modern Russian History. *Thesis*, "The Genesis of Soviet National Policy."
- FRANCIS PAUL PRUCHA, S.B. (*Wisconsin State Teachers Coll., River Falls*) 1941, A.M. (*Univ. of Minnesota*) 1947. *Subject*, History. *Special Field*, United States since 1789. *Thesis*, "The Scythe of Civilization: a Study of the United States Army as a Civilizing Force on the Northwest Frontier."
- LAURENCE INGRAM RADWAY, S.B. 1940, A.M. (*Univ. of Minnesota*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, Political Science. *Special Field*, American Public Administration. *Thesis*, "The Administration of the National Defense Program: a Critique of War Production Organization before Pearl Harbor."
- MARC RAEFF, A.M. (*Harvard Univ.*) 1947. *Subject*, History. *Special Field*, Modern Russian History. *Thesis*, "The Peasant Commune in the Political Thinking of Russian Publicists: Laissez-faire Liberalism in the Reign of Alexander II."
- EDWARD GERALD RENNELS, S.B. (*Eastern Illinois State Teachers Coll.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Biology. *Special Field*, Zoölogy. *Thesis*, "An Experimental Study of the Ovarian Interstitial Tissue in the Immature Rat."
- RALPH RENWICK, JR., A.B. 1942, A.M. 1944. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Intellectual Background of George Eliot's Early Writings."
- WILLIAM SPRINGER RICHARDSON, S.B. (*Brown Univ.*) 1948. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "Isotope Effects in Vibrational Spectra."
- DAVID ZAV ROBINSON, A.B. 1947 (1946), A.M. 1947. *Subject*, Chemical Physics. *Special Field*, Molecular Spectroscopy. *Thesis*, "Studies in Molecular Spectra and Molecular Structure."
- EDWARD ANTHONY ROBINSON, A.B. 1932, A.M. 1934. *Subject*, Philology. *Special Field*, Classical Philology. *Thesis*, "The Date of Cicero's *De Legibus*."
- ALBERT SUTHERLAND ROE, A.B. (*Princeton Univ.*) 1936, M.F.A. (*ibid.*) 1940. *Subject*, History and Principles of the Fine Arts. *Special Field*, Modern Art. *Thesis*, "William Blake's Illustrations to the *Divine Comedy* of Dante."
- MAXWELL ALEXANDER ROSENLICHT, A.B. (*Columbia Univ.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Mathematics. *Special Field*, Algebraic Geometry. *Thesis*, "Equivalence Concepts on an Algebraic Curve."
- HERMANN GÜNTHER RÜDENBERG, S.B. 1941, A.M. 1942. *Subject*, Physics. *Special Field*, Electron Optics and Circuits. *Thesis*, "Distributed Coupling and Amplification of Electric Waves."

- ABRAHAM HARRY SADOVE, S.B. 1943 (1942), A.M. 1948. *Subject*, Economics. *Special Field*, Economic History since 1750. *Thesis*, "Transport Improvement and the Appalachian Barrier: a Case Study in Economic Innovation."
- RUSHDI SAÏD, M.S.C. (*Fouad I Univ.*) 1945. *Subject*, Geology. *Special Field*, Micropaleontology. *Thesis*, "Foraminifera of the Northern Red Sea."
- ROBERT CHARLES CECIL ST. GEORGE, JR., A.B. 1943 (1942). *Subject*, Biology and Chemistry. *Special Field*, Physiological Chemistry. *Thesis*, "Energetics of Rhodopsin Bleaching."
- HILTON AARON SALHANICK, A.B. 1946 (1947), A.M. 1949. *Subject*, Biology. *Special Field*, Physiology. *Thesis*, "Resistance of Immature Mammals to Low Temperatures."
- WILBUR HENDERSON SAWYER, A.B. 1942, M.D. 1945. *Subject*, Biology. *Special Field*, Physiology. *Thesis*, "The Endocrine Control of Fluid Balance."
- PAUL JOSEF SCHEUER, S.B. (*Northeastern Univ.*) 1943, A.M. (*Harvard Univ.*) 1947. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "The Structure of Oxostyrych-nine."
- EUGENE RICHARD SCHLESINGER, A.B. 1946 (1947), A.M. 1948. *Subject*, Economics. *Special Field*, Principles of Money and Banking. *Thesis*, "Taxation and Economic Progress in Primary Producing Countries."
- CARL EMIL SCHORSKE, A.B. (*Columbia Univ.*) 1936, A.M. (*Harvard Univ.*) 1937. *Subject*, History. *Special Field*, Modern German History. *Thesis*, "German Social Democracy, 1905-1917: the Development of the Great Schism."
- ROBERT SIDNEY SCHWANTES, A.B. 1943, A.M. (*Univ. of Colorado*) 1947, A.M. (*Harvard Univ.*) 1949. *Subject*, History. *Special Field*, American History since 1789. *Thesis*, "American Influence in the Education of Meiji Japan, 1868-1912."
- BENJAMIN ISADORE SCHWARTZ, A.B. 1938, A.M. 1941, A.M. 1948. *Subject*, History and Far Eastern Languages. *Special Field*, Modern Chinese History. *Thesis*, "Communism in China until the Rise of Mao Tse-tung."
- CHARLES SEDGWICK, A.B. 1934, A.M. 1947. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "Unpublished Letters of French Actresses, 1708-1861: Mlle Raucourt, Mme Frédérick Lemaître and Rachel."
- GUSTAVE RALPH SERINO, A.B. 1939, ED.M. (*Boston Univ.*) 1941, A.M. (*Harvard Univ.*) 1946. *Subject*, Political Science. *Special Field*, Municipal Government. *Thesis*, "Italians in the Political Life of Boston: a Study of the Role of an Immigrant and Ethnic Group in the Political Life of an Urban Community."
- EDWARD SHAPIRO, A.B. (*Univ. of Toledo*) 1942, A.M. (*Ohio State Univ.*) 1945, A.M. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, Principles of Money and Banking. *Thesis*, "A Study of the Redistribution of Income Effected by the Interest Flow on the National Debt during World War II."

- SEYMOUR OLIVER SIMCHES, A.B. (*Boston Univ.*) 1941, A.M. (*Harvard Univ.*) 1942. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "The Taste for the XVIIIth Century before the Goncourts."
- TARA SINGH, B.S.C. (*Univ. of Punjab*) 1944, M.S.C. (*ibid.*) 1946, A.M. (*Harvard Univ.*) 1949. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Syntheses and Rearrangement of Cyclohexadienones."
- CHALONER BERRY SLADE, A.B. 1939, A.M. (*Columbia Univ.*) 1941. *Subject*, Physics. *Special Field*, Nuclear Physics. *Thesis*, "Experimental Separation of the Helium Isotope of Mass Three by Thermal Diffusion."
- WILLIAM PENCE SLICHTER, A.B. 1944 (1947), A.M. 1949. *Subject*, Chemical Physics. *Special Field*, Molecular Beam Studies. *Thesis*, "A High-Intensity Source for the Molecular Beam."
- NATHAN HOWARD SLOANE, S.B. (*Massachusetts Coll. of Pharmacy*) 1939, M.P.H. (*Massachusetts Inst. of Technology*) 1943. *Subject*, Medical Sciences. *Special Field*, Biochemistry. *Thesis*, "Biochemical and Isolation Studies on the Staphylococcus Stimulatory Factor."
- ROBERT HENRY SLOVER, A.B. (*Univ. of Oklahoma*) 1935, M.P.A. (*Harvard Univ.*) 1948. *Subject*, Political Science. *Special Field*, Comparative Modern Government. *Thesis*, "The Bizonal Economic Administration of Western Germany."
- SIDNEY SOLOWAY, S.B. (*Worcester Polytechnic Inst.*) 1941, A.M. (*Harvard Univ.*) 1942. *Subject*, Medical Sciences. *Special Field*, Biochemistry. *Thesis*, I. "Construction of a 60° Mass Spectrometer." II. "Studies on Crayfish Nerve with Ca⁴⁵."
- JOHN JOSEPH SOPKA, S.B. 1942, A.M. 1946. *Subject*, Mathematics. *Special Field*, Topological Algebra. *Thesis*, "On the Characterization of Reynolds Operators on the Normed Algebra of All Continuous Real-Valued Functions defined on a Compact Hausdorff Space."
- LEONARD SPECTOR, S.B. (*Univ. of Michigan*) 1940, S.M. (*ibid.*) 1941, S.B. IN CHEM. ENGIN. (*Purdue Univ.*) 1945. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, I. "Some Reactions of a Ketoxide: Angular Methylation." II. "Raney Nickel Deselenization."
- ANTHONY STAMPOLIS, A.B. (*Univ. of Michigan*) 1942, M.P.A. (*Harvard Univ.*) 1944. *Subject*, Political Economy and Government. *Special Field*, Labor Economics. *Thesis*, "War-time Administration of Wage Controls: a Case Study of the New England Shoe Industry."
- CHARLES EDWARD STEARNS, A.B. (*Tufts Coll.*) 1939, A.M. (*Harvard Univ.*) 1942. *Subject*, Geology. *Special Field*, Geomorphology. *Thesis*, "Tertiary and Quaternary Geology of the Galisteo-Tonque Area, New Mexico."
- ROBERT FRANK STEINER, A.B. (*Princeton Univ.*) 1947. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "Light Scattering Studies."

- WILLIAM DELOS STEVENS, A.B. (*Univ. of Kansas*) 1941, A.M. (*Harvard Univ.*) 1949. *Subject*, Anthropology. *Special Field*, Ethnology and Social Anthropology. *Thesis*, "A Study of Depopulation on Yap Island."
- ROBERT EDWARD LEE STRIDER, JR., A.B. 1939, A.M. 1940. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Lord Brooke and 'The Nature of Truth': a Biography and Critical Edition."
- FRED LOUIS STRODTBECK, A.B. (*Miami Univ.*) 1940, A.M. (*Indiana Univ.*) 1942. *Subject*, Sociology. *Special Field*, Small Groups. *Thesis*, "A Study of Husband-Wife Interaction in Three Cultures."
- JOSEPH HOLMES SUMMERS, A.B. 1941, A.M. 1947. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Religion and Art of George Herbert."
- DONALD MORGAN SWINGLE, S.B. (*Wilson Teachers Coll.*) 1943, S.M. (*New York Univ.*) 1947, A.M. (*Harvard Univ.*) 1948, M.ENG.SCI. (*ibid.*) 1949. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electromagnetic Wave Propagation. *Thesis*, "Tropospheric Reflections of Electromagnetic Waves and their Meteorological Interpretations."
- JACKSON TOBY, A.B. (*Brooklyn Coll.*) 1946, A.M. (*Harvard Univ.*) 1947, A.M. (*ibid.*) 1949. *Subject*, Sociology. *Special Field*, Criminology. *Thesis*, "Educational Maladjustment as a Predisposing Factor in Criminal Careers: a Comparative Study of Ethnic Groups."
- WILLIAM RALEIGH TRIMBLE, A.B. (*Reed Coll.*) 1937, A.M. (*Univ. of Chicago*) 1944. *Subject*, History. *Special Field*, History of England, 1485-1660. *Thesis*, "The Structure of English Catholic Thought in the Reign of Queen Elizabeth."
- LLOYD ULMAN, A.B. (*Columbia Univ.*) 1940, A.M. (*Univ. of Wisconsin*) 1941. *Subject*, Economics. *Special Field*, Labor Problems. *Thesis*, "The Rise of the National Union."
- HAROLD EDWIN UMBARGER, S.B. (*Ohio Univ.*) 1943, S.M. (*ibid.*) 1944. *Subject*, Medical Sciences. *Special Field*, Bacteriology. *Thesis*, "Studies on the Interactions Involved in the Biosynthetic Mechanisms of Isoleucine and Valine in *Escherichia Coli*."
- RAYMOND WINSTON VANDER WYK, S.B. (*Massachusetts Coll. of Pharmacy*) 1937, S.M. (*ibid.*) 1942, A.M. (*Boston Univ.*) 1942. *Subject*, Biology. *Special Field*, Botany. *Thesis*, "The Comparative Morphology of the Annonaceae."
- RONALD EDWARD VANELLI, A.B. 1941, A.M. 1950. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Studies Related to Isonorcamphor."
- HENRY SABIN VYVERBERG, A.B. (*Univ. of Rochester*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, History. *Special Field*, French Intellectual History. *Thesis*, "Decadence and Historical Flux: French Anti-progressionist Thought in the Eighteenth Century (1715-1789)."
- JAMES BRITTAIN WADSWORTH, B.A. (*Univ. of London*) 1937, A.M. (*Harvard Univ.*) 1948. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "Marsilio Ficino's 'Sopra lo Amore': an Introductory Study and a Text."

- HASKELL PHILIP WALD, A.B. (*Clark Univ.*) 1938, A.M. (*Harvard Univ.*) 1942. *Subject*, Economics. *Special Field*, Economic Fluctuations and Forecasting. *Thesis*, "The Rationale of War Finance."
- MAX WARD, A.B. (*Glenville State Coll.*) 1940, A.M. (*Harvard Univ.*) 1947. *Subject*, Biology. *Special Field*, Botany. *Thesis*, "Studies on Fertilization and Morphogenetic Variations of the Embryo of *Polypodium aureum*, L."
- FLOYD GERALD WERNER, S.B. 1943. *Subject*, Biology. *Special Field*, Zoölogy. *Thesis*, "Studies of the Nearctic Anthicidae (Coleoptera)."
- GEORGE WILLIS WHEELER, A.B. (*Macalester Coll.*) 1944, S.M. (*Harvard Univ.*) 1948. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electromagnetic Theory. *Thesis*, "Coupled Slot Antennas."
- ALVIN WHITLEY, A.B. (*Univ. of Texas*) 1946, A.M. (*Columbia Univ.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Thomas Hood."
- FREDERICK KARL WILLENBROCK, S.B. IN ENGIN. (*Brown Univ.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Electron Physics and Vacuum Tubes. *Thesis*, "Interaction of a Spiral Electron Beam and a Resonant Microwave Cavity."
- ROBERT MARTIN WILLIAMS, A.B. (*Pomona Coll.*) 1934, A.M. (*Univ. of California*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, Economic Fluctuations and Forecasting. *Thesis*, "Regional Business Cycles."
- CHARLES MAYE WILSON, S.B. (*Univ. of Virginia*) 1941, A.M. (*ibid.*) 1942. *Subject*, Biology. *Special Field*, Botany. *Thesis*, "Meiosis and Other Cytological Aspects of Allomyces."
- LAUREN GLASGOW WISPÉ, S.B. (*Northwestern Univ.*) 1941, A.M. (*Univ. of Illinois*) 1947. *Subject*, Social Psychology. *Special Field*, Experimental Social Psychology. *Thesis*, "An Evaluation of Methods of Teaching in Introductory Social Science."
- JOHN TURNER WOODLAND, A.B. (*Boston Univ.*) 1945, A.M. (*ibid.*) 1946, A.M. (*Harvard Univ.*) 1949. *Subject*, Biology. *Special Field*, Zoölogy. *Thesis*, "A Contribution to our Knowledge of Lepismatid Development."
- STANLEY PORTER WYATT, JR., A.B. (*Dartmouth Coll.*) 1942, A.M. (*Harvard Univ.*) 1948. *Subject*, Astronomy. *Special Field*, Practical Astronomy. *Thesis*, "A Comparative Study in Photographic and Photoelectric Photometry."
- HIROSHI YAMAUCHI, S.B. (*Univ. of Hawaii*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Physics. *Special Field*, Theoretical Nuclear Physics. *Thesis*, "High Energy Proton-Proton Scattering (Analysis of 32 Mev Data)."
- SUEH-CHANG YANG, M.P.A. (*Harvard Univ.*) 1946, A.M. (*ibid.*) 1948. *Subject*, Economics. *Special Field*, Economic Fluctuations and Forecasting. *Thesis*, "China's Depression and Subsequent Recovery, 1931-36: an Inquiry into the Applicability of the Modern Income-Determination Theory."

DAVID MONAGHAN YOUNG, JR., S.B. (*Webb Inst. of Naval Architecture*) 1945, A.M. (*Harvard Univ.*) 1947. *Subject*, Mathematics. *Special Field*, Analysis. *Thesis*, "Iterative Methods for Solving Partial Difference Equations of Elliptic Type."

DOCTORS OF SCIENCE

DONALD BRADBURY, S.B. IN MECH. ENGIN. (*Tufts Coll.*) 1939, S.M. (*Harvard Univ.*) 1940. *Subject*, Mechanical Engineering. *Special Field*, Lubrication. *Thesis*, "Viscosity-Density-Pressure-Temperature Relations of Lubricating Oils."

LESLIE HUNG CHEN, M.M.E. (*Univ. of Delaware*) 1948, S.M. (*Harvard Univ.*) 1949. *Subject*, Mechanical Engineering. *Special Field*, Heat Engineering. *Thesis*, "Fluorinated Hydrocarbons as Binary-Cycle Working Fluids."

YU CHEN, B.S.C. IN MECH. ENGIN. (*Chiao-Tung Univ.*) 1942, S.M. (*Harvard Univ.*) 1947. *Subject*, Aeronautical Engineering. *Special Field*, Aeronautical Theory. *Thesis*, "On the Hydrodynamic Stability of Two-Dimensional Parallel Uniform Shearing Motion of Viscous Fluid."

MELVIN WILLIAM FIRST, S.B. (*Massachusetts Inst. of Technology*) 1936, S.M. (*Harvard Univ.*) 1947. *Subject*, Industrial Hygiene. *Special Field*, Industrial Ventilation. *Thesis*, "Fundamental Factors in the Design of Cyclone Dust Collectors."

GEORGE ANTHONY HOFFMAN, S.B. IN MECH. ENGIN. (*Case School of Applied Science*) 1944, S.M. IN MECH. ENGIN. (*ibid.*) 1948, S.M. (*Harvard Univ.*) 1949. *Subject*, Mechanical Engineering. *Special Field*, Applied Mechanics. *Thesis*, "Plastic Flow through an Orifice."

HENRY GERT MAIER, S.B. IN MECH. ENGIN. (*Massachusetts Inst. of Technology*) 1946, S.M. (*Harvard Univ.*) 1947. *Subject*, Applied Mechanics. *Special Field*, Aircraft Structures. *Thesis*, "Non-Uniform Torsion of Slightly Tapered Thin-Walled Open Members of Symmetrical Shape."

MELVIN MARK, B.M.E. (*Univ. of Minnesota*) 1943, S.M. IN MECH. ENGIN. (*ibid.*) 1946. *Subject*, Mechanical Engineering. *Special Field*, Lubrication. *Thesis*, "An Experimental Determination of the Viscosity of Lubricating Oils to 150,000 psi and 425°F."

OTHAR ZALDASTANI-CHVILI, GR. (*Ecole Nationale des Ponts et Chaussées*) 1945, LIC.-ÈS-SCI. (*Univ. of Paris*) 1946, S.M. (*Harvard Univ.*) 1947. *Subject*, Aeronautical Engineering. *Special Field*, Aerodynamics. *Thesis*, "The One-Dimensional Unsteady Compressible Fluid Flow."

MASTERS OF EDUCATION

PAUL JOSEPH BURKE, S.B. (*Coll. of the City of New York*) 1940.

OSWALD KITCHENER CROCKER, B.A. (*Acadia Univ.*) 1946.

DULCE ROWLEY DABNEY, A.B. (*Southern Univ.*) 1943.

WALTER ARTHUR DEANE, A.B. 1944 (1943).

- CLARENCE EDGAR DOWNING, B.TH. (*Gordon Coll.*) 1932, B.D. (*Andover Newton Theological School*) 1948, S.T.M. (*ibid.*) 1949.
- RAYMOND JOHN DRY, A.B. (*Alfred Univ.*) 1943.
- KAMOLKAN EKASAGDI, B.A. (*Chulalongkorn Univ., Siam*) 1943.
- JONATHAN WALES FRENCH, JR., S.B. (*Bowdoin Coll.*) 1937.
- JOHN KENELM HARLEY, M.A. (*Univ. of St. Andrews, Scotland*) 1948.
- ARCHER HARMAN, JR., A.B. (*Yale Univ.*) 1944.
- ETHEL AGNES HILLEN, B.ED. (*Boston Coll.*) 1937.
- ELEANOR LEGER HUFF, S.B. IN ED. (*Framingham State Teachers Coll.*) 1943.
- ARA AVO KARAKASHIAN, S.B. (*Bowdoin Coll.*) 1937.
- LOUISE JUSTINE KIERNAN, S.B. IN ED. (*Salem State Teachers Coll.*) 1945.
- DAVID PENFIELD KRESSEN, A.B. (*Pomona Coll.*) 1949.
- CECILIA VIRGINIA LYONS, S.B. IN ED. (*Boston Univ.*) 1934.
- MARY DUNHAM MCKENDRICK, S.B. IN ED. (*Boston Univ.*) 1933.
- RICHARD BERNARD PALMER, A.B. (*Coll. of the Holy Cross*) 1932, LL.B. (*Northeastern Univ.*) 1938.
- WILLIAM LEE PERRY, A.B. (*Yale Univ.*) 1946.
- ELIZABETH WILLITS ROBERTS, A.B. (*Swarthmore Coll.*) 1946.
- JAMES RAYMOND SILVA, A.B. (*Dartmouth Coll.*) 1933.
- CECIL WATTS SMITH, B.A. (*Mt. Allison Univ.*) 1949.
- WESLEY EMERY STREIT, S.B. IN ED. (*Illinois State Normal Univ.*) 1948.
- CARLO VACCA, S.B. (*Boston Univ.*) 1940, ED.M. (*Boston Teachers Coll.*) 1941.
- CHAROON VONGSAYANHA, B.SC. (*Chulalongkorn Univ., Siam*) 1938.
- ELEANOR ENID WELLS, S.B. IN ED. (*Framingham State Teachers Coll.*) 1942.

DOCTORS OF EDUCATION

- JOHN FRANCIS BOWLER, A.B. (*Boston Coll.*) 1935, S.B. IN ED. (*Fitchburg State Teachers Coll.*) 1936, ED.M. (*ibid.*) 1940. *Subject*, Educational Administration. *Thesis*, "School-Municipal Fiscal Relations and their Effect on the Budget and the Budgetary Process."
- JOSEPH GERARD BRYAN, S.B. (*Massachusetts Inst. of Technology*) 1938, ED.M. (*Harvard Univ.*) 1942. *Subject*, Educational Measurement. *Thesis*, "A Method for the Exact Determination of the Characteristic Equation and Latent Vectors of a Matrix with Applications to the Discriminant Function for More than Two Groups."
- MARIE LOUISE BURKE, S.B. IN ED. (*Boston Univ.*) 1945, ED.M. (*ibid.*) 1946. *Subject*, Elementary Education. *Thesis*, "An Experimental Investigation of the Relative Effect of Two Distributions of Practice and Eight Pupil Factors on Learning in Oral Recall."
- RICHARD WELLINGTON BURKHARDT, A.B. (*Knox Coll.*) 1939, A.M. (*Harvard Univ.*) 1940, A.M. (*ibid.*) 1942. *Subject*, Social Science Education. *Thesis*, "The Teaching of the Soviet Union in American Secondary School Social Studies."
- HERBERT ARNOLD CLARK, PH.B. (*Brown Univ.*) 1927, A.M. (*ibid.*) 1931, ED.M. (*Harvard Univ.*) 1940. *Subject*, Social Science Education. *Thesis*, "A Study of Adolescent Radio Listening."

- GEORGE THEODORE DAVIS, A.B. (*Pennsylvania State Coll.*) 1935, S.M. (*ibid.*) 1941. *Subject*, Science Education. *Thesis*, "On Teaching Natural Resource Conservation through Biology in Massachusetts High Schools."
- HAROLD LYMAN GEAR, A.B. (*Kent State Univ., Ohio*) 1934, S.B. IN ED. (*ibid.*) 1934, A.M. (*Ohio State Univ.*) 1937. *Subject*, Educational Administration. *Thesis*, "The Rise of City-School Superintendency as an Influence in Educational Policy."
- OWEN BURNS KIERNAN, S.B. IN ED. (*Bridgewater State Teachers Coll.*) 1935, ED.M. (*Boston Univ.*) 1940. *Subject*, Educational Administration. *Thesis*, "The Legal Position of the Massachusetts School Committee in Relation to Financing Education."
- ELVA ELIZABETH KNIGHT, A.B. (*Elmira Coll.*) 1932, ED.M. (*Harvard Univ.*) 1942. *Subject*, Educational Psychology. *Thesis*, "Reading as an Integrated Course of Study in an Independent Secondary School Curriculum."
- DON ALFRED ORTON, A.B. (*Univ. of Utah*) 1942, A.M. (*Ohio State Univ.*), 1944. *Subject*, Educational Administration. *Thesis*, "Appraisal of the Programs of Academic Specialization of Utah's High-School Teachers."
- HENRY WILLIAM SYER, S.B. 1936, A.M. 1937. *Subject*, Teaching of Mathematics. *Thesis*, "Pupil-Centered Methods of Teaching Mathematics."

BACHELORS OF ARCHITECTURE

- SOLON IRVING BAILEY.
- RICHARD E BARINGER, A.B. IN DESIGN (*Inst. of Design, Chicago*) 1948.
- WILLIAM IRVING BARTON, S.B. (*Bowdoin Coll.*) 1941.
- EDWARD HERBERT BENNETT, JR., A.B. 1938.
- ANNA CAMPBELL BLISS, A.B. (*Wellesley Coll.*) 1946.
- MELVIN BRECHER.
- SAMUEL MANDELL BRODY, A.B. (*Dartmouth Coll.*) 1947.
- WILLIAM J CONKLIN, A.B. (*Doane Coll.*) 1944.
- PAUL EARL CROCKER, JR.
- JOHN ROBINSON GARFIELD, A.B. 1948.
- ROBERT LOUIS GEDDES.
- MARY ALDEN LEE, A.B. (*Radcliffe Coll.*) 1945.
- CHARLES FRANCIS MANSFIELD, A.B. 1946.
- PAUL JOHN MITARACHI, A.B. (*Amherst Coll.*) 1943.
- RALPH MARCY MOLTER.
- STANLEY HOWARD PANSKY, B. OF ARCH. ENGIN. (*Illinois Inst. of Technology*) 1944.
- JAMES GRAHAM PULLIAM, A.B. (*Dartmouth Coll.*) 1946.
- ROBERT LEBEAU SCHUMACHER.
- MARVIN SEVELY.
- WILLIAM HERBERT SHRAUGER.
- THOMAS WILLIAM DUNSTAN WRIGHT, A.B. 1941.
- RALPH PARK YOUNGREN, A.B. 1947.

MASTERS IN ARCHITECTURE

- HENRY LOUIS HOROWITZ, B. ARCH. (*Pratt Inst.*) 1949.
KEITH ROBERT KOLB, S.B. IN ARCH. (*Univ. of Illinois*) 1947.
JAMES WARREN LARSON, B. ARCH. (*Univ. of Minnesota*) 1948.
ROGER WHITING PATCH, B. ARCH. (*Univ. of Minnesota*) 1947.
GEORGE ELLIOT RAFFERTY, B. ARCH. (*Univ. of Minnesota*) 1942.
EDWARD JOHN ROMIENIEC, S.B. (*Univ. of Illinois*) 1947.
TETSUYA TED SUGANO, B. ARCH. (*Univ. of Minnesota*) 1949.
RONALD WHITELEY, B. ARCH. (*Univ. of Manitoba*) 1943.

BACHELOR OF CITY PLANNING

- ROBERT LONG WEGNER.

MASTERS IN CITY PLANNING

- ROBERT LAWRENCE BARRE.
ROGER LAMONT CREIGHTON, A.B. 1945 (1947).
ROSCOE HENRY JONES, S.B. (*Oklahoma Agricultural and Mechanical Coll.*) 1947.
BLANCHE LEMCO, B. ARCH. (*McGill Univ.*) 1945.
RICHARD SEARS, A.B. 1938.
RICHARD PARKER WAKEFIELD, A.B. 1947.
DAVID ALEXANDER WALLACE, B. ARCH. (*Univ. of Pennsylvania*) 1940, M. ARCH. (*ibid.*) 1941.
CHARLES MORAN ZETTEK, A.B. 1948.

BACHELOR OF LANDSCAPE ARCHITECTURE

- DEREK ALFRED WALTER LOVEJOY, A.R.I.B.A. 1949, DIP. T.P. (*School of Town Planning, London*) 1949.

MASTERS IN LANDSCAPE ARCHITECTURE

- ROBERT KERN BERGMAN, A.B. (*Univ. of Toledo*) 1943.
THOMAS MACDOUGALL GILLESPIE, B.L.A. 1949.
ROBERT LINFIELD MACKINTOSH, B.L.A. 1949.
IAN LENNOX MCHARG, B.L.A. 1949.
RUSSELL WILLIAM MYERS, B.S.A. (*Rutgers Univ.*) 1943.
GEORGE BURTON TOBEY, JR., S.B. (*Massachusetts State Coll.*) 1940.

MASTERS IN BUSINESS ADMINISTRATION

- CLAUDE SHUFORD ABERNETHY, JR., S.B. (*Davidson Coll.*) 1948.
WARREN ENLOW ABRAMS, S.B. (*James Millikin Univ.*) 1944.
ROBERT WALTER AKERS, A.B. (*Princeton Univ.*) 1948.

VERNON ROGER ALDEN, A.B. (*Brown Univ.*) 1946.
 EUGENE THOMAS ALLEN, S.B. IN B.A. (*Univ. of Nebraska*) 1947.
 CHARLES CLARKE AMBROSE, B.CHEM.ENGIN. (*Cornell Univ.*) 1948.
 FREDERICK WALDO AMES, A.B. (*Tufts Coll.*) 1948, A.M. (*ibid.*) 1948.
 EDWIN LAMONT ANDERSON, B.I.E. (*Georgia Inst. of Technology*) 1948.
 JOSEPH WIERDA ANTONIDES, S.B. IN MECH.ENGIN. (*Univ. of Michigan*) 1931.
 GEORGE FOX ARMSTRONG, S.B. (*Pennsylvania State Coll.*) 1948.
 DOGAN HUMPHREY ARTHUR, B.S.E. (*Univ. of Michigan*) 1948.
 HENRY HARRISON ARTHUR, A.B. 1946 (1948).
 BURT SIMM AVEDON, S.B. (*Univ. of California at Los Angeles*) 1948.
 AMIN AHMED AWADALLA, B.COM. (*Fouad I Univ.*) 1937, B.COM. (*Liverpool Univ.*) 1940.
 DONALD PAUL BABSON, A.B. (*Cornell Univ.*) 1948.
 DEO KRISHNA BAHETI, B.A. (*Benares Hindu Univ.*) 1945, M.A. (*ibid.*) 1947, LL.B. (*ibid.*) 1948.
 MELVIN HOUSTON BAKER, JR., A.B. (*Kenyon Coll.*) 1948.
 ROBERT FLANDERS BALCH, A.B. 1947.
 EDWARD MAHLER BALLON, B.A. (*McGill Univ.*) 1947.
 WINTON EARLE BALZER, A.B. 1948.
 RONALD WILLIAM BAMBECK, A.B. (*Ohio Univ.*) 1948.
 JAMES EDWIN BARBER, B.B.A. (*Manhattan Coll.*) 1942.
 JAMES RICHARD BARBER, B.E. (*Yale Univ.*) 1943.
 JAMES ASTON BARKER, S.B. IN E.E. (*Virginia Military Inst.*) 1948.
 OLIVER CROMWELL BATEMAN, S.B. (*The Citadel*) 1948.
 JAMES HERBERT BATTE, S.B. (*Davidson Coll.*) 1935.
 MORTON J BAUM, JR., A.B. (*Yale Univ.*) 1948.
 RUSSELL MORTIMER BECKLEY, JR., S.B. IN COM. (*Bucknell Univ.*) 1948.
 JAMES STANWOOD BENTON, S.B. IN B.A. (*Univ. of Missouri*) 1947.
 VINCENT RICHARD BENYA, S.B. IN E.E. (*Carnegie Inst. of Technology*) 1948.
 EUGENE BERTRAM BERKLEY, A.B. (*Duke Univ.*) 1948.
 RICHARD CONSTABLE BERNARD, JR., S.B. 1948.
 KENNETH ROSSIN BEROL, A.B. 1947 (1948).
 ROBERT ARTHUR BERRY, A.B. (*Stanford Univ.*) 1948.
 WILLIAM MATTHEW BERTLES, JR., A.B. (*Yale Univ.*) 1948.
 BACHUBHAI VIJAYSHANKER BHATT, B.COM. (*Univ. of Bombay*) 1943.
 JAMES BRUBECK BIDDLE, S.B. (*Georgetown Univ.*) 1948.
 DONALD LIONEL BIERMAN, S.B. (*U. S. Military Academy*) 1940.
 WYLY MCGEHEE BILLING, JR., A.B. (*Dartmouth Coll.*) 1945.
 RASIN RIZA BIRSEL, S.B. IN MECH.ENGIN. (*Purdue Univ.*) 1948.
 LAWRENCE FRANCIS BLAIS, S.B. (*Univ. of New Hampshire*) 1948.
 RICHARD WALTON BLOHM, A.B. (*Reed Coll.*) 1948.
 CARLETON HUNTER BOLL, S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1948.
 ALLEN LOUIS BOORSTEIN, S.B. IN A.E. (*Cornell Univ.*) 1947.
 PHILIP SUMMERS BORDEN, S.B. IN BUS. (*Univ. of Kansas*) 1947.
 PATRICK FINDLAY BOWDITCH, A.B. 1948.
 JAMES FRANCIS BOWEN, S.B. IN BUS. (*Miami Univ.*) 1948.
 PAUL WINSOR BOYD, A.B. 1948.

HOWARD ALFRED BRADLEY, A.B. (*Kenyon Coll.*) 1948.
 LEONARD LEE BRANNAN.
 DOUGLAS REID BRASH, A.B. (*Colgate Univ.*) 1948.
 JOSEPH WARREN BRECKEL, A.B. (*Univ. of Washington*) 1948.
 RICHARD PHILLIPS BREED, JR., A.B. 1946 (1948).
 OWEN JAMES BREEN, JR., S.B. (*LaSalle Coll.*) 1943.
 HERBERT VAN SANT BREWER, S.B. IN ENGIN. (*Princeton Univ.*) 1942.
 ROBERT HURST BRIDGES, S.B. IN MECH.ENGIN. (*Case School of Applied Science*) 1944.
 CHARLES DeLOTTER BRIGHT, S.B. (*Massachusetts Inst. of Technology*) 1948.
 RAYMOND CECIL BRITTINGHAM, JR., S.B. (*Virginia Military Inst.*) 1939, S.B. (*U. S. Military Academy*) 1943.
 WILLIAM EDWIN BROADWELL, S.B. (*Clemson Agricultural Coll.*) 1947.
 HOWARD FRANKLIN BRONSON, JR.
 BERNARD CHARLES BROOKS, S.B. IN BUS. (*Miami Univ.*) 1948.
 ALLEN DALTON BROSIUS, B.I.E. (*Ohio State Univ.*) 1948.
 GEORGE MORRIS BROWN, B.B.A. (*Univ. of New Mexico*) 1948.
 HARRY ARTER BROWN, S.B. (*Mount Union Coll.*) 1942.
 ROBERT WILLIAM BROWN, M.E. (*Colorado School of Mines*) 1939.
 WILLIAM MORRIS BROWN, JR., A.B. (*Agricultural and Mechanical Coll. of Texas*) 1940.
 DONALD CURTIS BRUSTER, A.B. (*Wesleyan Univ.*) 1948.
 JULIAN AYRES BURGESS, A.B. (*Brown Univ.*) 1943.
 ROBERT MARTIN BURLINGAME, S.B. IN B.A. (*Univ. of Tennessee*) 1948.
 MYRON IRVING BURNES, A.B. 1941.
 THOMAS HENRY BURROWES, A.B. 1946 (1948).
 C CRAIG CANNON, B.E.E. (*Univ. of Delaware*) 1936.
 GEORGE MORRIS CAPLOE, A.B. 1946 (1947).
 RAYMOND BERNARD CAREY, JR., S.B. IN BUS. (*Coll. of the Holy Cross*) 1948.
 WILLIAM JOSEPH CAREY, A.B. (*Univ. of Notre Dame*) 1946, LL.B. (*Columbia Univ.*) 1948
 NORMAN VAN DYKE CARPENTER, A.B. (*Princeton Univ.*) 1948.
 NATHANIEL MADISON CARTMELL, JR., S.B. (*Yale Univ.*) 1948.
 RICHARD ADOLPH CHAMPAGNE, A.B. (*Cornell Univ.*) 1947.
 ANDRÉ MARC CHARGUÉRAUD, LIC. EN DROIT (*Univ. of Paris*) 1947.
 CHARLES WOLCOTT CHATFIELD, A.B. 1948.
 EDWARD TE-HUA CHEN, B.A. (*St. John's Univ., Shanghai*) 1944, A.M. (*New York Univ.*) 1949.
 WILLIAM ALBERT CHENEY, S.B. IN E.E. (*Purdue Univ.*) 1948.
 CHARLES WHAITE CHESNUT.
 JOHN MOORE CHRISTENSEN, JR., S.B. (*U. S. Military Academy*) 1941.
 ROBERT EVANS CHRISTIAN, S.B. IN MET.ENGIN. (*Carnegie Inst. of Technology*) 1948, S.M. IN
 MET.ENGIN. (*ibid.*) 1948.
 PHILLIP DARROW CHUBB, S.B. (*Univ. of California at Berkeley*) 1937.
 JEAN GASTON CLARENS, ING.DIPL. (*École Polytechnique de Paris*) 1948.
 JAMES ARTHUR CLARKE, S.B. 1949 (1948).
 JOHN BURNETT CLINE, S.B. (*U. S. Naval Academy*) 1935.
 FRANCIS JENSEN COLGROVE, A.B. (*Ohio Wesleyan Univ.*) 1948.
 DONALD GRANT COLLEY, JR., A.B. 1948.

JOHN JOSEPH COLLINS, A.B. (*Yale Univ.*) 1948.
 EVEN THOMAS COLLINSWORTH, JR., S.B. IN CHEM.ENGIN. (*Univ. of Tennessee*) 1943.
 GRAHAM MACPHERSON CONDIE, S.B. IN MECH.ENGIN. (*Massachusetts Inst. of Technology*) 1945.
 CHARLES WALTER CONNELL, S.B. IN E.E. (*Illinois Inst. of Technology*) 1949.
 HARRY BURNS CONOLLY, S.B. (*Syracuse Univ.*) 1948.
 WILLEM JOHAN MACHIEL CONSTANDSE.
 CARROLL CLARKE COOK, B.B.A. (*Univ. of Texas*) 1948.
 JOHN PIERRE COQUILLARD, A.B. 1946 (1948).
 GERALD WALLACE COUGHLIN, A.B. (*Univ. of Michigan*) 1946.
 VICTOR THOMAS COVINGTON, S.B. (*Univ. of Alabama*) 1946.
 CHRISTOPHER CHARLES COYNE, S.B. (*U. S. Military Academy*) 1939.
 JACK MERLIN CUDLIP, S.B. IN A.E. (*Cornell Univ.*) 1948.
 ROBERT LEE CULP, S.B. (*Miami Univ.*) 1948.
 RICHARD TROLAN CUNNIFF, A.B. (*Colgate Univ.*) 1944.
 BRUCE WELLINGTON CUNNINGHAM, A.B. (*Wesleyan Univ.*) 1948.
 ROBERT BURNETT CURLEE.
 WILLIAM GEORGE CURRAN, JR., A.B. (*Yale Univ.*) 1948.
 GLENN H CURTIS B.A.SC. (*Univ. of Toronto*) 1948.
 LOUIS JAMES D'AGOSTINO.
 RICHARD WELTON DAMEYER, A.B. (*Univ. of Washington*) 1947, A.M. (*Fletcher School of Law and Diplomacy*) 1948.
 ARNOLD GUYOT DANA, 2D, A.B. (*Yale Univ.*) 1947.
 HAROLD WINTLE DANCE, S.B. (*Utah State Agricultural Coll.*) 1948.
 JOHN LLOYD DAVIES.
 WILLIAM MCCLURE DAVIS, S.B. (*John B. Stetson Univ.*) 1941.
 LLOYD MARTIN DE BOER, S.B. (*Univ. of Illinois*) 1947.
 JOHN GEORGE DENSMORE, B.SC. (*Dalhousie Univ.*) 1946, S.B. IN C.E. (*Massachusetts Inst. of Technology*) 1948.
 MORRIS AUBREY DENSMORE, A.B. (*Bowdoin Coll.*) 1947.
 SEBASTIAN DI MAURO, A.B. 1948.
 THOMAS LAWS DISHAROON, S.B. IN COM. (*Drexel Inst. of Technology*) 1947.
 ALFRED GUY DI VENUTI, A.B. 1946 (1948).
 DAVID IVY DODENHOFF, S.B. (*The Citadel*) 1927, C.E. (*Univ. of South Carolina*) 1928.
 WILLIAM DODENHOFF.
 ROBERT HASKINS THOMAS DODSON, A.B. 1947.
 RUDOLF JAN DOMENIE, S.B. 1948.
 DONALD AUGUSTINE DONAHUE, A.B. 1941.
 JOHN EUSTACE DONALDS, 2D, B.CHEM.ENGIN. (*Univ. of Minnesota*) 1948.
 HERBERT LEE DUNCAN, A.B. (*Univ. of Kentucky*) 1938, A.M. (*ibid.*) 1940.
 EDWARD GOODRICH DUNN, A.B. 1947 (1948).
 CHESLEY FOLSOM DURGIN, S.B. (*Univ. of New Hampshire*) 1936.
 CHARLES ROBERT EASTWOOD, S.B. (*Univ. of Virginia*) 1946, B.C.E. (*ibid.*) 1947.
 LOUIS IRVING EGELSON, JR., S.B. 1948.
 JEROME EDWARD EHLERS, A.B. (*Univ. of Washington*) 1948.
 ROBERT MAIER EINSTEIN, S.B. IN E.E. (*Pennsylvania State Coll.*) 1947.

JAMES HENRY EMISON, A.B. (*DePauw Univ.*) 1947.
 JOE RICHIE ENGLE, B.I.E. (*Ohio State Univ.*) 1943.
 PAUL LELAND ENGLE, S.B. (*Kansas State Coll. of Agriculture and Applied Science*) 1944.
 FRANK ALBERT ESCOBAR, S.B. (*Providence Coll.*) 1933.
 HERVEY EVANS, A.B. (*Princeton Univ.*) 1948.
 ROBERT McDUGALL EVERSON, B.A. (*McGill Univ.*) 1947.
 EDWARD THEODORE FABER, A.B. (*Trinity Coll.*) 1948.
 ROBERT ADRIAN FAILEY, A.B. (*Princeton Univ.*) 1948.
 SAMUEL MORSE FELTON, JR., A.B. 1948.
 THOMAS AQUINAS FENTON, S.B. (*Purdue Univ.*) 1948.
 TITO LIGIO FERNÁNDEZ-MORÁN V, A.B. (*Amherst Coll.*) 1948.
 GEORGE MALLETTE FERRIS, JR., B.S.E. (*Princeton Univ.*) 1948.
 FRANCIS McDONALD FILLERUP, S.B. (*Univ. of Wyoming*) 1943.
 JAMES HENRY FINKE, S.B. (*Univ. of Dayton*) 1948.
 ROBERT ALEXANDER FISCHER, S.B. IN MECH.ENGIN. (*Tufts Coll.*) 1946.
 ROBERT NORMAN FISHER, A.B. 1946 (1948).
 HOWARD FRENCH FLETCHER, JR., S.B. (*Univ. of California at Berkeley*) 1948.
 ALBERT LUSCOMBE FOSTER, S.B. (*U. S. Naval Academy*) 1945.
 JAMES PETER FOSTER, B.A.SC. (*Univ. of Toronto*) 1947.
 HARRY HART FOWLER, A.B. 1947.
 WOLFE JULIUS FRANKL, A.B. (*Amherst Coll.*) 1943.
 WILLIAM FREITAG, A.B. (*Western Kentucky State Teachers Coll.*) 1946.
 ROGER FREEMAN FRENCH, S.B. IN E.E. (*Worcester Polytechnic Inst.*) 1944.
 ROY ROBERT FUNDERBURG, S.B. (*Northwestern Univ.*) 1945.
 RODNEY BALDWIN GABLER, A.B. (*Coe Coll.*) 1948.
 BRADLEE EWING GAGE, A.B. (*Amherst Coll.*) 1948.
 GORDON ROUNTREE GALLOWAY, A.B. 1948.
 CHARLES KENNEDY WHEELER GAMMAGE, S.B. IN COM. (*Univ. of North Carolina*) 1948.
 EDWARD CHARLES GARST, S.B. (*Univ. of Chicago*) 1948.
 ALFRED PERCY GATES, A.B. (*Univ. of Richmond*) 1948.
 GUYNEMER TOLLENDAL GIGUÈRE, B.ENG. (*McGill Univ.*) 1948.
 WARREN PHILIP GINGRAS, A.B. (*Univ. of Massachusetts*) 1948.
 FELIX MAURO GINORIO, JR., S.B. IN B.A. (*Univ. of Denver*) 1948.
 JOHN HENRY GLAVIN, A.B. (*Univ. of Notre Dame*) 1948.
 JOEL GEORGE GOCHENOUR, A.B. (*Univ. of Alabama*) 1948.
 WILLIAM AUGUST GOEBEL, S.B. (*Marietta Coll.*) 1948.
 CARL WILLIAM GOLDBECK, S.B. IN MECH.ENGIN. (*Univ. of Wisconsin*) 1948.
 RAY ALLAN GOLDBERG, A.B. 1948.
 JORDAN LOWELL GOLDING, A.B. 1948.
 ROBERT OWEN GOLDMAN, A.B. (*Univ. of Pittsburgh*) 1948.
 JOHN MCCOY GOODMAN, B.B.A. (*Univ. of Texas*) 1940.
 JOHN KUHN GOODWIN, JR., S.B. (*Indiana Univ.*) 1947.
 SIMON PHILIP GOUDSMIT, A.B. (*Swarthmore Coll.*) 1948.
 WILLIAM EUGENE GRABBE, A.B. (*Catholic Univ. of America*) 1949.
 HERBERT GEORGE GRAETZ, S.B. IN CHEM.ENGIN. (*Massachusetts Inst. of Technology*) 1944.

ROBERT ENGLAND GRANT, A.B. (*Brown Univ.*) 1948.
 KENNETH EDWARD GRAY, B.COM. (*Univ. of Manitoba*) 1944.
 CRAIG POMEROY GREASON, A.B. (*Amherst Coll.*) 1948.
 DAVID GREGG, JR., S.B. IN MECH.ENGIN. (*Bucknell Univ.*) 1945.
 GEORGE ERWIN GREGORY, JR., S.B. (*Univ. of Michigan*) 1948.
 ALBERT VERNON GRIFFITHS, A.B. 1949 (1948).
 GEORGE PETER GRIGG, M.E. (*Stevens Inst. of Technology*) 1948.
 THOMAS CECIL GRISSOM, S.B. (*Agricultural and Mechanical Coll. of Texas*) 1941.
 JOHN ALLAN GUNNARSON, S.B. IN MECH.ENGIN. (*Massachusetts Inst. of Technology*) 1946.
 PHILIP YAWMAN HAHN, JR., A.B. (*Dartmouth Coll.*) 1946.
 HUGH BALDWIN HALL, B.A.SC. (*Univ. of Toronto*) 1948.
 JOHN MILLIKEN HALL, A.B. 1948.
 MAURICE JACOB HALPER, S.B. (*Univ. of Pennsylvania*) 1938.
 CHARLES EDWARD HAMEL, B.B.A. (*Westminster Coll.*) 1944.
 PAUL CHARLES RODNEY HANNA, JR., A.B. (*Bowdoin Coll.*) 1948.
 EUGENE ROSS HANSON, A.B. (*Yale Univ.*) 1948.
 NEIL EUGENE HARLAN, S.B. IN B.A. (*Univ. of Arkansas*) 1947.
 ERNEST BOULDIN HARPER, JR., B.S.E. (*Univ. of Michigan*) 1948.
 JEROME FRANCIS HARRINGTON, S.B. (*Univ. of California at Berkeley*) 1944.
 PETER GORDON HART, S.B. (*Univ. of California at Berkeley*) 1947.
 PETER GREEN HARWOOD, A.B. 1948 (1947).
 ADRIAN HOMER HASSE, A.B. (*Amherst Coll.*) 1943.
 JULIAN BURROUGHS HATTON, JR., A.B. 1948.
 JAMES GRADY HATTOX, S.B. IN E.E. (*Mississippi State Coll.*) 1930, S.M. IN E.E. (*Worcester Poly-
technic Inst.*) 1932.
 JOHN CLARON HAWKINS, JR.
 GORDON WEBSTER HEDIN, A.B. 1946 (1948).
 JOHN COLUMBUS HEISLER, JR., A.B. 1948 (1947).
 WALTER HUGO HELMERICH, 3D, A.B. (*Univ. of Oklahoma*) 1948.
 MARC EMILE HENRION, DIPL. (*Univ. of Lille*) 1945.
 JOHN REGINALD HESS, S.B. (*U. S. Naval Academy*) 1945.
 RAYMOND WALDEN HOBBS, A.B. (*Bates Coll.*) 1947.
 SIDNEY HOFFMAN, A.B. 1948.
 MICHAEL ANTHONY HOFFMANN, B.S.S. (*Seattle Coll.*) 1948.
 WOLCOTT ANDERS HOKANSON, JR., A.B. (*Bowdoin Coll.*) 1948.
 DAVID CHARLES HONEY, S.B. (*Yale Univ.*) 1945.
 FREDERIC CLARK HOOD, 2D, A.B. 1946 (1947).
 SAMUEL NEWTON HOPE, JR., A.B. (*Univ. of Wisconsin*) 1948.
 OMAR HENRY HOVERSTEN, A.B. (*Univ. of Minnesota*) 1947.
 DAVID ENDICOTT HOWE, A.B. 1947 (1948).
 GEORGE CHAMBERS HOZIER, S.B. (*U. S. Military Academy*) 1942.
 GUY LEONARD HUDSON, JR., A.A. (*Los Angeles Junior Coll.*) 1936.
 JOHN DAVID HUGHES, JR., S.B. IN B.A. (*Boston Coll.*) 1948.
 ROY ELLIS HUGHES, JR., B.MECH.ENGIN. (*Cornell Univ.*) 1944.
 JAMES HELIM HULBERT, A.B. 1948.

WENDELL ELLSWORTH HULCHER.
 RAYMOND LEWIS HUNICKE, B.E.E. (*Cornell Univ.*) 1946.
 CECIL GRAHAM HUSKEY, A.B. (*Wofford Coll.*) 1939.
 FARREL CRAIG HUSTON, A.B. (*Cornell Univ.*) 1942, J.D. (*State Univ. of Iowa*) 1948.
 JOHN DONALD HYERLE, A.B. (*Univ. of California at Berkeley*) 1936.
 HAROLD GAYLORD INGERSOLL, JR., A.B. (*Knox Coll.*) 1948
 LOUIS ISENEBERG, S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1945, S.M. IN E.E. (*ibid.*) 1948.
 DIKRAN SARKIS IZMIRLIAN, S.B. (*Univ. of Illinois*) 1948.
 ROBERT WILLIAM JEFFERSON, JR., S.B. IN MECH.ENGIN. (*Northwestern Univ.*) 1946, S.M. IN CHEM.
 ENGIN. (*ibid.*) 1948.
 RALPH LEWIS JENSEN, B.B.A. (*Univ. of Minnesota*) 1948.
 WILLIAM JOHN JENSEN, S.B. (*Univ. of Illinois*) 1948.
 GORDON OTIS FRASER JOHNSON, A.B. (*Stanford Univ.*) 1948.
 ALAN PORTER JONES, JR., A.B. 1949 (1948).
 SVEN JOHAN JUNGHOLM, JUR.KAND. (*Univ. of Stockholm*) 1948.
 RICHARD ELLIS KARKOW, A.B. (*Kenyon Coll.*) 1948.
 RALPH ERNEST KARTH, A.B. (*Ripon Coll.*) 1948.
 ROBERT FREDERICK KAUFMAN, B.E. (*Yale Univ.*) 1948.
 LIONEL KAY, S.B. 1940.
 HOWARD WADLEIGH KEEGAN, A.B. (*Amherst Coll.*) 1948.
 JAMES ARCHIBALD KENDALL, A.B. 1948.
 DONALD CARLTON KING, S.B. (*Alabama Polytechnic Inst.*) 1948.
 DOUGLAS RICHARD KING, S.B. IN CHEM.ENGIN. (*Univ. of Tennessee*) 1944.
 JAMES BRUCE KIRKHOFF, A.B. (*Swarthmore Coll.*) 1948.
 SANFORD HOLMES KIRKLAND, JR., S.B. IN F.S. (*Georgetown Univ.*) 1940.
 JAMES RAYNOR KIRWIN, S.B. IN MECH.ENGIN. (*Cornell Univ.*) 1945.
 MILTON KLEIN, S.B. IN CHEM.ENGIN. (*Washington Univ.*) 1944.
 BERNHARD WALTER KNOLLENBERG, B.E. (*Yale Univ.*) 1945.
 WINFIELD GAZZAM KNOFF, S.B. (*Univ. of Pennsylvania*) 1941.
 WALTER OTTO RICHARD KORDER, JR., B.E. (*Yale Univ.*) 1944.
 HENRY SIMON KOSTANSKI, A.B. (*Illinois Coll.*) 1941.
 FREDERICK LOUIS GEORGE KUEHM, A.B. (*Dartmouth Coll.*) 1949.
 CHARLES RAY KUNKLE, JR., S.B. (*Carnegie Inst. of Technology*) 1948.
 KIM KYLE, A.B. (*Bowdoin Coll.*) 1948.
 EDWARD SEWALL LANCASTER, JR., A.B. (*Brown Univ.*) 1943.
 PAUL ANDREW LANG, A.B. 1946 (1948).
 NOAH NOEL LANGDALE, JR., A.B. (*Univ. of Alabama*) 1941, LL.B. (*Harvard Univ.*) 1948.
 HEWITT CHEMNITZ LARSEN, S.B. (*U. S. Military Academy*) 1947.
 STANLEY JOHN LASKOWSKI, A.B. 1946 (1948).
 JOHN WILLIAM LATVIS, S.B. (*Syracuse Univ.*) 1948.
 ROBERT LEO LAVOIE, S.B. IN B.A. (*Boston Univ.*) 1948.
 KENNETH SINCLAIR LAW, B.C.S. (*Detroit Inst. of Technology*) 1940, S.B. (*ibid.*) 1942.
 PAUL LAZZARO, A.B. 1946 (1948).
 BERNARD GLENDEN LE BEAU.
 ALLAN EUSTACE LEE, S.B. (*Univ. of California at Berkeley*) 1947.

PHILIP CLARK LEFFEL, JR., A.B. (*Wabash Coll.*) 1948.
 JOHN LAWRENCE LEIDENHEIMER, S.B. (*Univ. of Illinois*) 1934.
 THOMAS JOSEPH LENAHAN, B.C.S. (*Ohio Univ.*) 1948.
 GERALD PRESTON LERNER, S.B. (*Univ. of Illinois*) 1935.
 RICHARD VRYLING LE SUEUR, B.A.SC. (*Univ. of Toronto*) 1948.
 CHIA HSIANG LI, S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1948, S.M. IN E.E. (*ibid.*) 1948.
 ROBERT NOEL LONG, A.B. 1948.
 EINAR GLENN LUNDY, S.B. (*U. S. Military Academy*) 1947.
 DAVID RANDOLPH LURIE, B.CHEM.ENGIN. (*Rensselaer Polytechnic Inst.*) 1948.
 EDWIN LEROY McCARTY, S.B. 1947 (1946).
 MURRAY DOUGLAS McCULLOCH, B.A.SC. (*Univ. of Toronto*) 1946.
 ROGER DAVID McCUTCHEON, S.B. (*Univ. of Massachusetts*) 1948.
 THOMAS BOULDIN McDADE, JR., A.B. (*Baylor Univ.*) 1946.
 ROBERT FRANCIS McDERMOTT, S.B. (*U. S. Military Academy*) 1943.
 PUTNAM BALLOU McDOWELL, A.B. 1946 (1948).
 RICHARD GORDON MCGOVERN, A.B. (*Brown Univ.*) 1948.
 FRAZIER DANIEL MACIVER, JR., A.B. (*Princeton Univ.*) 1947.
 JOHN SAMUEL McKENDY, B.A. (*McGill Univ.*) 1948.
 MALCOLM STUART McKENNEY, B.E.E. (*Univ. of Virginia*) 1946.
 STUART POUNDER MacLAREN, S.B. (*U. S. Military Academy*) 1947.
 OLIVER NELSON MacLEOD, A.B. (*Amherst Coll.*) 1948.
 GEORGE MARION McNEAL, JR., A.B. 1949 (1948).
 THOMAS OLIVER McNEARNEY, JR., S.B. IN CHEM.ENGIN. (*Massachusetts Inst. of Technology*)
 1948.
 FREDERICK EDWARD MAGUIRE, JR., S.B. (*Boston Coll.*) 1948.
 HANS HERMANN MAHLER.
 HOWARD BROUGHAM MAJOR, JR., A.B. (*Williams Coll.*) 1948.
 ROBERT HARVEY MALOTT, A.B. (*Univ. of Kansas*) 1948.
 FRANCIS FELLER MARSHALL, S.B. (*Coll. of the Holy Cross*) 1948.
 GEORGE WILLIAM MATHEWS, JR., S.B. (*Georgia Inst. of Technology*) 1948.
 DOUGLAS COLTON MATTHEWS, B.A. (*Univ. of Toronto*) 1948.
 HARRY HARGAN MATTHEWS, S.B. (*Purdue Univ.*) 1948.
 GLOVER BENTON MAYFIELD, S.B. (*Swarthmore Coll.*) 1945.
 EDWARD ALPHONSUS MEANY, A.B. 1948.
 THOMAS BENNETT MECHLING, S.B. (*U. S. Naval Academy*) 1941.
 WILLIAM WALTER MEE, A.B. 1948.
 GEORGE JULIUS MICHELSON, S.B. (*New York Univ.*) 1948.
 ROBERT EUGENE MICKELSON, B.B.A. (*Univ. of Minnesota*) 1948.
 RICHARD WESTBROOK MIDDLETON, A.B. (*Stanford Univ.*) 1948.
 EDWARD KIRKBRIDE MILLER, JR., S.B. (*Massachusetts Inst. of Technology*) 1941.
 GORDON THOMPSON MILLER, A.B. (*Colby Coll.*) 1948.
 RAYMOND GEORGE MILLER, S.B. (*U. S. Coast Guard Academy*) 1940.
 IRWIN HIRSCH MITTELMAN, A.B. (*Stanford Univ.*) 1948.
 JOSEPH SUTTON MOHR, JR., S.B. (*Univ. of Chicago*) 1948.
 ADOLF FRED MONOSSON, S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1948.

JOHN KNIGHT MOORE, S.B. IN E.E. (*Drexel Inst. of Technology*) 1942.
 ROBERT EDWARD MOORE, S.B. (*Wayne Univ.*) 1947.
 ROBERT STUART MOORE, B.B.A. (*Southern Methodist Univ.*) 1948.
 DAVID WALKER MORGAN, B.A. (*McGill Univ.*) 1948.
 THOMAS HARRINGTON MORGAN, S.B. IN MECH.ENGIN. (*Massachusetts Inst. of Technology*) 1948,
 S.B. IN G.S. (*ibid.*) 1948.
 RALPH EMERSON MORROW, JR., A.B. (*Wabash Coll.*) 1948.
 JOHN RANDOLPH MOSES, A.B. (*Yale Univ.*) 1948.
 HARRISON HUME MOSHER, A.B. 1946 (1948).
 THOMAS LEE MOSS, S.B. IN B.A. (*Univ. of Denver*) 1948.
 CHARLES GORDON MURPHY, S.B. (*California Inst. of Technology*) 1948.
 BREVARD SPRINGS MYERS, S.B. IN E.E. (*Virginia Military Inst.*) 1948.
 GORDON NEISWANGER, A.B. 1947.
 EDWARD RAYMOND NELSON, S.B. (*Univ. of California at Berkeley*) 1942.
 GUERDON HOLDEN NELSON, A.B. 1944 (1947).
 WALTER THOMAS NEWMAN, A.B. (*Univ. of Rochester*) 1942, S.B. (*ibid.*) 1942.
 THOMAS MARSHALL HOWE NIMICK, JR., A.B. (*Princeton Univ.*) 1948.
 HENRY FRANCIS NOONAN, A.B. 1946 (1948).
 RICHARD SEWALL NORTON, S.B. (*Bowdoin Coll.*) 1945.
 WILLIAM DANIEL O'BRIEN, S.B. IN AERO.E. (*Iowa State Coll.*) 1946.
 EUGENE FRANCIS O'NEIL, A.B. (*Princeton Univ.*) 1948.
 FRANK WEIL OPPENHEIMER, S.B. (*Columbia Univ.*) 1948.
 RONALD SIDNEY OSNOS, A.B. 1947.
 ANDERS OSTBYE, ARTIUM (*Univ. of Oslo*) 1939, CAND.JUR. (*ibid.*) 1947.
 HARRY ROBERT PAGE, A.B. (*Michigan State Coll.*) 1941.
 JAMES LOETSCHER PAISLEY, S.B. (*Iowa State Coll.*) 1947.
 THEODOSIOS NICHOLAS PAPLEACOS, A.B. 1945 (1948).
 FREEMAN ARCHIE PARSONS.
 HUGH GIRARD PASTORIZA, JR., S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1943.
 THOMAS ERNST PAWEL, S.B. (*Massachusetts Inst. of Technology*) 1948.
 CHARLES WESLEY PEBBLES, JR., S.B. IN COM. (*Univ. of Virginia*) 1948.
 ERIC LOUIS PETERSON, A.B. (*New York Univ.*) 1942.
 HARRIES-CLICHY PETERSON, A.B. 1946.
 RICHARD MARVIN PETERSON.
 GUSTAV AUGUST PFUHLMANN, A.B. (*Brooklyn Coll.*) 1948.
 LEON PHILIPSON, S.B. (*Columbia Univ.*) 1948.
 THURMAN RUPERT PIERCE, JR., S.B. IN B.A. (*Northwestern Univ.*) 1948.
 CHARLES HACKER PINKHAM, 3D, A.B. (*Brown Univ.*) 1948.
 ANTHONY PETER PODESTA, A.B. (*Columbia Univ.*) 1948.
 ARTHUR MARCIAN QUILTY, A.B. (*Yale Univ.*) 1948.
 JOHN ARTHUR QUIMBY, S.B. IN MECH.ENGIN. (*Northwestern Technological Inst.*) 1944.
 ABDUL MAJID YASSIN RABBAT, DIPL. (*Greek Orthodox Coll.*) 1936.
 ALAN RABINOWITZ, A.B. (*Yale Univ.*) 1948.
 ROBERT INGERSOLL RANDALL, A.B. 1948.
 RICHARD GEORGE RAUCH, S.B. IN MECH.ENGIN. (*Massachusetts Inst. of Technology*) 1946.

DAVID NICHOLAS REARDON, S.B. (*Villanova Coll.*) 1942.
 JOHN MICHAEL REDDY, S.B. (*Rensselaer Polytechnic Inst.*) 1947.
 GARDNER CHASE REED, S.B. (*Univ. of New Hampshire*) 1940.
 RAYMOND STEPHEN REED, JR., A.B. 1946 (1944).
 JAMES LUTHER REGAN, JR., A.B. (*Univ. of Alabama*) 1938.
 ALBERT JOHN REISING.
 STUART UPSON RICH, A.B. (*Wabash Coll.*) 1942.
 ALBERT CHARLES RIGGS, JR., A.B. 1946 (1949).
 GEORGE OVERTON RIGGS, A.B. (*Yale Univ.*) 1927.
 ALBERT EDWARD RILEY, S.B. (*Worcester Polytechnic Inst.*) 1948.
 SAMUEL MORRILL ROBBINS, A.B. 1945 (1948).
 GEORGE CECIL ROBINSON, JR., A.B. (*Univ. of Utah*) 1940, LL.B. (*ibid.*) 1947.
 JOHN CLIFTON RONSON, B.COM. (*McGill Univ.*) 1948.
 GERALD FRANK ROSE, S.B. (*New York Univ.*) 1948.
 JACK ROSENBAUM, A.B. (*DePauw Univ.*) 1947.
 EDMUND GEORGE RUBIN, A.B. 1946 (1947).
 WILLIAM SYLVESTER RULE, A.B. (*Stanford Univ.*) 1948.
 RICHARD JOHN RYAN, S.B. (*Villanova Coll.*) 1943.
 QUENTIN BYRON SAMMIS, B.E.E. (*Georgia Inst. of Technology*) 1946.
 JOHN ROBERT SANDERS, A.B. (*Dartmouth Coll.*) 1946.
 EDWARD ARNOLD SANFORD, JR., S.B. IN B.A. (*Northeastern Univ.*) 1938.
 SADHAN RANJAN SARKER, B.A. (*St. Xavier's Coll.*) 1947.
 CHRISTOPHER GORDON STRODE SAUNDERS, B.A. (*Univ. of Oxford*) 1948.
 EDWARD WILLIAM SAWYER, S.B. (*U. S. Military Academy*) 1935.
 RALPH EDWARD SCHEY, B.C.S. (*Ohio Univ.*) 1948.
 WILLIAM ELWOOD SCOLLARD, S.B. (*Dartmouth Coll.*) 1947, S.M. (*ibid.*) 1948.
 JAMES OSTLE SEARS, JR., A.B. 1941.
 WORCESTER WARNER SEELY, A.B. (*Princeton Univ.*) 1948.
 ROBERT WILLIAM SELLE, A.B. (*Univ. of Minnesota*) 1948.
 WILLIAM H SELLS, S.B. (*U. S. Naval Academy*) 1944.
 ROBERT WILLIAM SEXTON, S.B. IN B.A. (*Boston Coll.*) 1948.
 DANIEL WAYNE SHAPS, B.C.S. (*Ohio Univ.*) 1948.
 PAUL ROSS SHAWVER, S.B. IN E.E. (*Georgia Inst. of Technology*) 1947.
 JOHN FRANCIS SHEPARDSON, A.B. 1948.
 FRANCIS GEORGE SHERMAN.
 WINFIELD SHIRAS, 3D, B.E.E. (*Cornell Univ.*) 1948.
 BO JULIAN SIBOLD, B.S.C. (*McMaster Univ.*) 1946.
 RICHARD LESLIE SILVA, JR., A.B. (*Amherst Coll.*) 1948.
 EDWARD ARTHUR SIMMONS, 3D, S.B. (*New York Univ.*) 1947.
 JOHN HENSEL SIMS, S.B. (*U. S. Naval Academy*) 1940.
 MALCOLM KEITH SKIPTON, JR., A.B. (*Amherst Coll.*) 1948.
 BERT SMITH, S.B. IN C.E. (*Georgia Inst. of Technology*) 1941.
 HIBBARD ASHTON SMITH, B.B.A. (*Univ. of Minnesota*) 1947.
 JUDSON STEWART SMITH, A.B. 1948.
 MARCELL NELSON SMITH, 2D, A.B. 1948.

ROBERT LAMPHIERE SMITH, S.B. IN MECH.ENGIN. (*Lehigh Univ.*) 1948.
 WILLIAM MELLON SMITH, S.B. IN CHEM.ENGIN. (*Virginia Polytechnic Inst.*) 1944.
 GENE WALLACE SMOOT, A.B. (*Allegheny Coll.*) 1948.
 WILLIAM SCOTT SNEATH, A.B. (*Williams Coll.*) 1947.
 PETER MILES SNYDER, A.B. 1947.
 SAMUEL FRANKLIN SNYDER, JR., S.B. IN MECH.ENGIN. (*Lehigh Univ.*) 1948.
 LUCIANO GUIMARAES DE SOUZA LEO, S.B. IN MECH.ENGIN. (*Massachusetts Inst. of Technology*)
 1948.
 EDWARD RAY SPEARE, 2D, S.B. (*Boston Univ.*) 1948.
 FAYETTE PATTERSON SPENCER, S.B. (*Massachusetts Inst. of Technology*) 1948.
 FREDERICK MARSHALL SPENCER, A.B. (*Boston Univ.*) 1948.
 ROBERT WILSON SPENCER, A.B. 1948.
 EUGENE ANTHONY STALZER, S.B. IN B.A. (*Univ. of Dayton*) 1942.
 WARREN PHILIP STARK, S.B. (*Rensselaer Polytechnic Inst.*) 1947, B.C.E. (*ibid.*) 1948.
 WILLIAM FRANK STARR, S.B. (*U. S. Military Academy*) 1941.
 MAURICE EARLE STEINER, B.C.S. (*Ohio Univ.*) 1948.
 ANTOINE JEAN STERN.
 ROBERT STANSBURY STOCKTON, S.B. IN MECH.ENGIN. (*Univ. of Kansas*) 1946, S.B. IN BUS. (*ibid.*)
 1947.
 FRANK PAGE STORMENT, S.B. (*Univ. of California at Berkeley*) 1948.
 RAYMOND LAWRENCE STRATFORD, JR., S.B. 1946.
 CARL WAYNE STRAYER, S.B. IN C.E. (*Lehigh Univ.*) 1948.
 ROGER LEON STRONG, A.B. (*Yale Univ.*) 1948.
 KENNETH WILLIAM SUNDWALL, A.B. (*Univ. of Utah*) 1948.
 CHIEN-BOR SUNG, B.S.C. IN MECH.ENGIN. (*Chiao-Tung Univ.*) 1945, S.M. IN MECH.ENGIN. (*Massachusetts Inst. of Technology*) 1948.
 WALTER JAMES SUTHERLAND, B.S.C. IN MECH.ENGIN. (*Queen's Univ.*) 1948.
 RENOO SUVARNSIT, S.B. (*Swarthmore Coll.*) 1947, S.M. IN MECH.ENGIN. (*Harvard Univ.*) 1949.
 WILLIAM ARTHUR SWITZER, S.B. (*Franklin and Marshall Coll.*) 1948.
 WILLIAM MURRAY TAUSSIG.
 WILLIAM MORGAN TAYLOR, S.B. IN MECH.ENGIN. (*Carnegie Inst. of Technology*) 1948.
 HENRY BAIRD TENNEY, S.B. IN B.A. (*Northwestern Univ.*) 1947.
 MORLEY PUNSHON THOMPSON, A.B. (*Stanford Univ.*) 1948.
 JAMES RUGGLES THORPE, JR., S.B. IN MECH.ENGIN. (*California Inst. of Technology*) 1948.
 JOHAN THRONE-HOLST.
 LUKE ALPHONSE TIBERGHIE, DIPL. (*Univ. of Paris*) 1945.
 EDWARD MADISON TOLLIVER, S.B. IN B.A. (*Univ. of Arkansas*) 1937.
 JOSEPH HILL TORRAS, S.B. (*Yale Univ.*) 1948.
 ROBERT FELIX TRANCHIN, A.B. 1948.
 MALCOLM LEWIS TRAYSER, B.E. (*Yale Univ.*) 1948.
 DAVID EMILY TUCKER, S.B. IN B.A. (*Washington Univ.*) 1948.
 ROMAN IRODIAN ULANS, S.B. IN E.E. (*Massachusetts Inst. of Technology*) 1936.
 RALPH REED UPTON, S.B. (*U. S. Military Academy*) 1941.
 DANTE VADALA, A.B. (*Claremont Men's Coll.*) 1948.
 JOHN FRANKLIN VAN VLECK, A.B. (*Tufts Coll.*) 1948.

SOTEROS ARTHUR VERENIS, A.B. 1948.
 ARTHUR NEILL VOLLMER, S.B. (*Univ. of Washington*) 1948.
 EDWARD ARTHUR WALKER, B.S.C. IN C.E. (*Queen's Univ.*) 1946.
 DANIEL CHARLES WALSER, JR., S.B. (*Virginia Military Inst.*) 1948.
 SEMMES GUEST WALSH, B.E. (*Yale Univ.*) 1946.
 ELMER LAWRENCE WARD, A.B. 1948.
 G RICHARD WARFIELD, JR., A.B. 1944 (1946).
 ROBERT PATTERSON WARLICK, A.B. (*Brown Univ.*) 1948.
 WALTER EDMOND WATKINS, S.B. IN CHEM.ENGIN. (*Univ. of Tennessee*) 1943.
 EVERETT POWELL WEBSTER, A.B. 1946, S.M. 1948.
 JOHN PREWITT WEHLE, S.B. (*Rose Polytechnic Inst.*) 1947.
 JOHN LIVINGSTON WEINBERG, A.B. (*Princeton Univ.*) 1948.
 JAMES S WELCH, A.B. (*Stanford Univ.*) 1948.
 ARTHUR HOWARD WESTERVELT, A.B. (*Hamilton Coll.*) 1948.
 GEORGE RICHARD WESTIN.
 HARVEY JOSEPH WEXLER, S.B. (*New York Univ.*) 1947, M.B.A. (*ibid.*) 1948.
 PAUL LONG WHARTON, JR., A.B. (*Washington and Jefferson Coll.*) 1942, S.B. IN MECH.ENGIN. (*West Virginia Univ.*) 1948.
 LEONARD ALLEN WHEELER, S.B. (*Univ. of California at Berkeley*) 1944.
 FRANK GEORGE WHITE, A.B. (*Univ. of Oklahoma*) 1937.
 HOWARD EDGAR WHITING, B.COM. (*McGill Univ.*) 1948.
 ROBERT WHITMAN, A.B. (*Bowdoin Coll.*) 1948.
 HOWARD MILTON WIEDEMANN, A.B. (*Univ. of Buffalo*) 1935, A.M. (*ibid.*) 1937, A.M. (*Harvard Univ.*) 1942, I.A. (*ibid.*) 1943.
 WILLIAM PRICE WILDER, B.COM. (*McGill Univ.*) 1946.
 DON STUART WILLIAMS, A.B. (*Macalester Coll.*) 1942.
 EMMONS JOHNSON WILLIAMS, A.B. (*Amherst Coll.*) 1947.
 THOMAS ARTHUR WILLIAMS, S.B. (*Columbia Univ.*) 1942.
 EVERETT STUART WILSON, A.B. (*Williams Coll.*) 1947.
 JAMES CASWELL WILSON, JR., A.B. (*Princeton Univ.*) 1947.
 JOHN MAYER WILSON, JR., S.B. (*Univ. of Alabama*) 1936.
 SAMUEL GREEN WILSON, A.B. (*Guilford Coll.*) 1948.
 WILLIAM RALPH WILSON, S.B. IN COM.ENGIN. (*Univ. of Washington*) 1939.
 ROBERT LESLIE WINTER, A.B. (*Yale Univ.*) 1947.
 GORDON BLANCHARD WISWELL, B.S.C. (*Dalhousie Univ.*) 1943, B.A.SC. (*Univ. of Toronto*) 1948.
 JOHN DIEDRICH WOEBSE, S.B. (*Univ. of Pennsylvania*) 1947.
 ARTHUR WONG, JR., S.B. (*Massachusetts Inst. of Technology*) 1947.
 BRUCE ALAN WORCESTER, S.B. IN ENGIN. (*California Inst. of Technology*) 1948.
 WAYNE EDWARD WRIGHT, A.B. (*Williams Coll.*) 1947.
 EMIL ROBERT WYSS, S.B. (*Univ. of Utah*) 1941.
 MURRAY ABRAHAM YETVIN, S.B. IN I.E. (*Northeastern Univ.*) 1947.
 JAMES DUFF YOUNG, JR., A.B. (*Bowdoin Coll.*) 1948.
 LEON RYNO YOURTEE, JR., S.B. (*Univ. of Maryland*) 1939.
 PHILIP THOMAS ZEIGLER, A.B. 1948.

WITH DISTINCTION

- PHILIPPE MAURICE-EDOUARD ALLAIN, LIC.-ÈS-SC. (*Univ. of Paris*) 1947.
 SHIRLEY DEWAYNE ALLEN, S.B. (*Univ. of Utah*) 1947.
 ERNEST LEE ARBUCKLE, A.B. (*West Virginia Univ.*) 1948.
 ROBERT RHETT AUSTELL, JR., A.B. (*Williams Coll.*) 1948.
 RICHARD PERRY BEADON, LL.B. (*Dalhousie Univ.*) 1948.
 HARRY JOSEPH BENTON, A.B. (*Williams Coll.*) 1947.
 HAROLD HANNON BLACKMAN, S.B. (*Univ. of Virginia*) 1938.
 EDWARD JAMES BLANCH, B.MECH.ENGIN. (*Rensselaer Polytechnic Inst.*) 1946.
 JOHN EVELEIGH BOLTON, B.A. (*Univ. of Cambridge*) 1948.
 CHARLES ROBERT BORNS, S.B. IN B.A. (*Univ. of Dayton*) 1940.
 GEORGE WILLIAM BOUTELLE, S.B. (*Univ. of Chicago*) 1944, S.B. IN ENGIN. (*California Inst. of Technology*) 1948.
 FRANCIS CHESTER BUCK, A.B. 1948.
 RAYMOND MARTIN BUKATY, S.B. IN MECH.ENGIN. (*Kansas State Coll. of Agriculture and Applied Science*) 1941.
 WILLIAM HOWARD CONNELLY, A.B. (*Princeton Univ.*) 1943.
 ALLEN JOSEPH DANCY, A.B. (*George Washington Univ.*) 1948.
 JOHN SIDNEY DAY.
 ARCH RICHARD DOOLEY, A.B. (*Yale Univ.*) 1944.
 CARL GEORGE DRESCHER, S.B. (*U. S. Naval Academy*) 1933.
 HAROLD DAVID FINE, S.B. (*Rhode Island School of Design*) 1948.
 WILLIAM PINCKNEY FLORENCE, JR., A.B. (*Hendrix Coll.*) 1943.
 PHILIP JACOB FRIEDLANDER, S.B. (*Massachusetts Inst. of Technology*) 1948.
 RICHARD LEE GELB, A.B. (*Yale Univ.*) 1948.
 DAVID SANFORD GOTTESMAN, A.B. (*Trinity Coll.*) 1949.
 ROBERT HAMILTON GUM, A.B. (*New York Univ.*) 1947.
 FREDERICK FAIRCHILD HANSEN, S.B. IN E.E. (*Univ. of Wisconsin*) 1948.
 RAY HARRISON, JR., B.E. (*Yale Univ.*) 1948.
 JOHN WILLIAM HENNESSEY, JR., A.B. (*Princeton Univ.*) 1948.
 FRANK HONIGSBAUM, A.B. (*Univ. of Michigan*) 1948.
 ROBERT HENRY HUSS, S.B. (*Univ. of Illinois*) 1948.
 KOICHI INOUE, A.B. 1948.
 WINGATE BREWER JONES, A.B. (*Wake Forest Coll.*) 1938.
 RICHARD BURNS KING, S.B. IN E.E. (*Univ. of Michigan*) 1948.
 RICHARD GORDON LAMB, B.S.E. (*Princeton Univ.*) 1948.
 WILLIAM BRADEN LATA, S.B. (*U. S. Military Academy*) 1938.
 MURRAY JAMES LEDDY, B.COM. (*Univ. of Saskatchewan*) 1948.
 GEORGE MILTON LEVINE, S.B. IN B.A. (*Ohio State Univ.*) 1947.
 LAWRENCE TURNER LINDGREN, S.B. IN MECH.ENGIN. (*Iowa State Coll.*) 1948.
 DAN CALDWELL McNEILL, A.B. (*DePauw Univ.*) 1940.
 JOHN DUNCAN MACK, A.B. (*St. John's Coll. at Annapolis*) 1948.
 DAVID JAMES MAHANES, JR., S.B. (*Univ. of Kentucky*) 1947.
 LESLIE THOMAS MAIMAN, A.B. (*Lake Forest Coll.*) 1932, J.D. (*John Marshall Law School*) 1937.

DONALD ALLEN MAINS, S.B. IN CHEM.ENGIN. (*Massachusetts Inst. of Technology*) 1947.
 CHARLES BERNARD MARGOLIN, S.B. IN BUS. (*Univ. of Oklahoma*) 1948.
 CHARLES CLARK MARTIN, S.B. (*Univ. of Pennsylvania*) 1943.
 PETER JAY MASSEY, JR., A.B. (*Cornell Univ.*) 1948.
 MORTON RICHARD MENDES, B.B.A. (*Western Reserve Univ.*) 1948.
 NORMAN RICHARD MILLER, B.I.E. (*Georgia Inst. of Technology*) 1947.
 STANLEY SIMON MILLER, A.B. 1944 (1947).
 VINCENT PAUL MORAVEC, A.B. 1948.
 RAYMOND RICHARD NEEVEL, S.B. (*Univ. of Southern California*) 1948.
 EDWARD CHARLES OLDFIELD, JR., S.B. IN COM. (*Univ. of Virginia*) 1940.
 GROSVENOR FRANCIS POWELL, S.B. (*U. S. Military Academy*) 1931, S.M. (*Massachusetts Inst. of Technology*) 1938.
 ROBERT KNOWLES READY, A.B. (*Univ. of Kansas*) 1948.
 GUSTAV REDLICH, B.ENG. (*McGill Univ.*) 1942.
 VINCENT JACOB ROGGEVEEN, B.C.E. (*Coll. of the City of New York*) 1943.
 WALTER DONALD SILCOX, A.B. 1948.
 LAWRENCE WHITLEY SIMMONS, B.E.E. (*Cornell Univ.*) 1946.
 ELLIS WENDLE SMITH, S.B. 1946.
 WILBUR DEANE SNOW, S.B. (*U. S. Military Academy*) 1942.
 PRESCOTT MINER SPICER, S.B. (*U. S. Military Academy*) 1938.
 ROBERT ADOLF STEINBERG, S.B. (*Queens Coll.*) 1943.
 NORMAN WILLIAM STEWART, S.B. IN AERO.E. (*Massachusetts Inst. of Technology*) 1948.
 JOHN WESLEY STODDER, S.B. (*Coll. of the Holy Cross*) 1944.
 JAMES RICHARD SURFACE, A.B. (*Univ. of Kansas*) 1942, A.M. (*ibid.*) 1948.
 CURTIS WILLIAM TARR, A.B. (*Stanford Univ.*) 1948.
 ALEXANDER COOPER TOMLINSON, JR., S.B. (*Haverford Coll.*) 1943.
 GERALD FRANK TUCCI, S.B. IN N.S. (*Brown Univ.*) 1946, S.B. IN ENGIN. (*ibid.*) 1948.
 ARTHUR NICHOLSON TURNER, A.B. (*Yale Univ.*) 1946.
 CURTIS TORREY VAUGHAN, JR., A.B. 1948.
 RODNEY MERRITT VINING, S.B. (*Evansville Coll.*) 1948.
 BERNARD SANDERS WATERMAN, S.B. (*U. S. Military Academy*) 1935.
 RAYMOND HAROLD WEISLER, S.B. (*Univ. of Rochester*) 1941.
 ROBERT ELI WYNER, A.B. 1947.
 JOHN ROBERT YEAGER, A.B. (*Univ. of Oregon*) 1948.

WITH HIGH DISTINCTION

ROBERT MANUEL BEREN, A.B. 1947 (1948).
 JOHN ALBERT BOONE, A.B. (*Duke Univ.*) 1948.
 WALTER EVANS BRINKER, S.B. (*U. S. Military Academy*) 1939.
 ROBERT NEWTON BROWN, S.B. IN B.A. (*Rutgers Univ.*) 1948.
 JOHN FRANKLIN CULP, 3D, S.B. (*Univ. of Chicago*) 1940.
 JERE LEROY GOTTSCHALK, A.B. 1945 (1949).
 ROBERT WILLIAM HAIGH, A.B. (*Bucknell Univ.*) 1948.
 JOSEPH ANTHONY IMBROGULIO, A.B. (*Princeton Univ.*) 1948.
 WILLIAM ARMIN JENNETT, B.B.A. (*Univ. of Michigan*) 1948.

HERMAN EUGENE KESSLER, JR., A.B. 1944 (1943).
ROBERT PATTERSON MARSHALL, A.B. (*Princeton Univ.*) 1940.
JACK KING VAN OVEREN, A.B. (*Princeton Univ.*) 1942.

DOCTORS OF COMMERCIAL SCIENCE

JAMES BENTON LACKEY, JR., A.B. (*The Principia*) 1934, M.B.A. (*Harvard Univ.*) 1936. *Special Field*, Advertising and Marketing. *Thesis*, "Transportation — Advertising, 1940-1948."
PAUL ROGER LAWRENCE, A.B. (*Albion Coll.*) 1943, I.A. (*Harvard Univ.*) 1943, M.B.A. (*ibid.*) 1947. *Special Field*, Human Relations. *Thesis*, "A Case Study of the Human Problems of Product Development Work."
THOMAS RANDALL NAVIN, JR., A.B. (*Kenyon Coll.*) 1939, M.B.A. (*Harvard Univ.*) 1941. *Special Field*, Business History. *Thesis*, "History of the Whitin Machine Works."

MASTERS IN PUBLIC ADMINISTRATION

JOHN BLACKMORE, S.B. (*State Coll. of Washington*) 1937, S.M. (*Univ. of Maryland*) 1938.
WILLIAM SHOEMAKER FLASH, A.B. 1948.
HAROLD JAMES GRAY, B.SC. (*Univ. of London*) 1931, M.SC. (*ibid.*) 1936, LL.B. (*ibid.*) 1939.
WILLIAM ERNEST GREENER, JR., B.B.A. (*Northeastern Univ.*) 1945, M.B.A. (*Boston Univ.*) 1947.
WILLIAM ESTON HARVEY, S.B. (*Virginia Polytechnic Inst.*) 1935.
THEODORE JAMES JARMAN, S.B. (*St. Louis Univ.*) 1949.
ALBERT WESLEY JOHNSON, B.A. (*Univ. of Saskatchewan*) 1942, M.A. (*Univ. of Toronto*) 1945.
GENE MAURICE LEAR, S.B. (*Oregon State Coll.*) 1938.
THEA LEWIS LIPSCOMB, S.B. (*U. S. Military Academy*) 1936.
SAMUEL JOSEPH MANTEL, JR., A.B. 1944 (1948).
ANDREW JACKSON NICHOLS, S.B. (*Cornell Univ.*) 1934.
ROBINSON RILEY NORRIS, S.B. (*U. S. Military Academy*) 1940.
GILBERT PAUL PHILLIPS, B.SC. (*Univ. of Sidney*) 1941.
EDGAR PICCIOTTO, B.SC. (*London School of Econ. and Pol. Sci.*) 1948.
RAFAEL PIEDRA SANTA, LIC. EN CIENCIAS ECON. (*Univ. of San Carlos*) 1948.
BENJAMIN REIFEL, S.B. (*South Dakota State Coll.*) 1932.
LLOYD IRVING RUDOLPH, A.B. 1948.
JOHN BUCKNER SHARP, JR., S.B. (*Univ. of Tennessee*) 1943, S.M. (*ibid.*) 1945, M.F. (*Duke Univ.*) 1947.
BURTON OWEN SINGER, PH.B. (*Univ. of Toledo*) 1942.
JAMES PERSHING STRAUSS, S.B. (*U. S. Military Academy*) 1940.
JOSEPH COOLIDGE WHEELER, A.B. (*Bowdoin Coll.*) 1948.
JOE LEROY ZARING, A.B. (*Univ. of Idaho*) 1942.

DOCTORS OF MEDICINE

- HARTWIG ACHENBACH, S.B. (*Univ. of Florida*) 1943.
RICHARD HERBERT ALLEN.
ADRIENNE PATRICIA APPLGARTH, A.B. (*Univ. of California*) 1946.
EUGENE RONALD ATHERTON.
ROBERT RAY AYCOCK, S.B. (*Univ. of North Carolina*) 1947.
RAYMA LUCILLE BABBITT, S.B. (*Univ. of Arizona*) 1946.
ELMER EARLE BATT.
EDGAR DAWSON BELL, JR., A.B. (*Haverford Coll.*) 1942.
STANLEY BERLOW, A.B. (*Univ. of Michigan*) 1941, A.M. (*Harvard Univ.*) 1942.
MARK STUART BLUMBERG, D.M.D. 1948.
DONALD CECIL BORG, S.B. 1947 (1946).
EUGENE DEW BRAND, A.B. (*Univ. of Virginia*) 1944.
JOHN THOMAS BRENNAN, JR., S.B. (*Coll. of the Holy Cross*) 1947.
LEON ROYDEN BRIGGS, JR., S.B. 1944 (1943), D.M.D. 1948.
RUFUS KEENE BROADAWAY, S.B. (*Tufts Coll.*) 1946.
JOHN TOWNSEND BURROUGHS, A.B. (*Brown Univ.*) 1946.
EDWARD HENRY CAUL, D.M.D. 1948.
WILLIAM EDWARD CHRISTIE, JR., A.B. (*Boston Coll.*) 1943.
ROBERT HOWARTH CLIFTON, A.B. (*Dartmouth Coll.*) 1945, D.M.D. (*Harvard Univ.*) 1948.
EDWARD LEONARD COLMAN, 2D, A.B. (*Yale Univ.*) 1942.
RICHARD JOSEPH CREEDON, A.B. 1946 (1945).
LEONARD WOLSEY CRONKHITE, JR., A.B. (*Bowdoin Coll.*) 1941 (1946).
JAMES FRANCIS CUMMINS, 3D, S.B. (*Univ. of Illinois*) 1942, S.M. (*ibid.*) 1946.
JOHN CAULFIELD DALTON.
JOHN OSCAR DAMPEER, JR., S.B. (*Univ. of Mississippi*) 1947.
FREDERICK McALLISTER DAVIES, S.B. (*Tufts Coll.*) 1946.
VICTOR PHILLIP DiDOMENICO, S.B. (*Brown Univ.*) 1942, D.M.D. (*Harvard Univ.*) 1948.
JAMES EDWARD DUCEY, S.B. (*Univ. of Pittsburgh*) 1946.
JOHN HAROLD EATON.
RICHARD HARRISON EGDAHL.
VICTOR EISNER, A.B. (*Stanford Univ.*) 1946.
LINDSEY THOMAS ELDER, JR.
HILLIARD DONALD ESTES.
ROBERT JOHN FELDMANN.
HOWARD DAVID FRANK, S.B. (*Univ. of Vermont*) 1947.
ARNOLD SIDNEY GALE, A.B. 1940.
FRANK WARREN GARRAN, JR., A.B. (*Dartmouth Coll.*) 1947.
JOHN GARRY, A.B. (*Dartmouth Coll.*) 1947.
RENÉE GELMAN, A.B. (*Hunter Coll.*) 1945.
JULIUS ELI GOLDBLATT, S.B. (*Tufts Coll.*) 1941.
KENNETH MERLE GRAHAM, A.B. (*Allegheny Coll.*) 1941, A.M. (*Univ. of Illinois*) 1942.
RALSTON RAYMOND HANNAS, JR., S.B. (*Purdue Univ.*) 1939.
THOMAS BARTHOLOMEW HAYES.

JOHN MORRISON HEAD, A.B. (*Univ. of Missouri*) 1946.
 DWIGHT CARROLL HOEG, A.B. (*Univ. of Minnesota*) 1947, S.B. (*ibid.*) 1948.
 JOHN WILLIAM HOFFMAN, D.M.D. 1948.
 RICHARD JOHNSON IRETON, A.B. (*Ohio State Univ.*) 1946.
 JOHN CHARLES KRAMER.
 BERTRAND CARL KRIETE, A.B. (*DePauw Univ.*) 1937.
 RICHARD VICTOR LANCE.
 FRANK WESLEY LANE, JR.
 LEONARD LASTER, A.B. 1948 (1949).
 ARNOLD ALBERT LEAR.
 FEUNG BOK LEE, S.B. (*Oregon State Coll.*) 1942.
 SHELDON MARVIN LEVIN, A.B. (*Univ. of California*) 1943.
 EDWARD LOUIS LIVA, S.B. 1947 (1946).
 WILLIAM BRYANT LOGAN, JR., S.B. (*Yale Univ.*) 1946.
 JOHN RUPERT LOVELACE, S.B. (*Mississippi State Coll.*) 1947.
 LEE BROWNING LUSTED, A.B. (*Cornell Coll.*) 1943.
 GEORGE ADAIR LYON, A.B. (*Dartmouth Coll.*) 1947.
 ROBERT EDGAR MABE, S.B. (*Univ. of North Carolina*) 1947.
 PETER BROWNE MACOMBER, A.B. (*Bowdoin Coll.*) 1947.
 EDWARD ALOYSIUS MAHONEY, JR., D.M.D. 1948.
 PAUL MANDELSTAM, A.B. 1945 (1944), A.M. 1946.
 ALEXANDER RAFAJLO MARGULIS.
 WILLIAM FENNELL MCNEELY, S.B. (*Univ. of North Carolina*) 1947.
 LLOYD WILLIAM MERRYFIELD, S.B. (*California Inst. of Technology*) 1942, S.M. (*ibid.*) 1943.
 WILLIAM PAUL MILLER.
 HENRY DAVIS MINOT, JR., A.B. 1940 (1941).
 MARC P. MOLDAWER.
 LAWRENCE TERENCE MOORE, D.M.D. 1948.
 ARNOLD STEPHEN MOREL, S.B. (*St. John's Univ.*) 1942, D.M.D. (*Harvard Univ.*) 1948.
 ROBERT STIER MORRISON, A.B. (*Univ. of Missouri*) 1946.
 GUY OWENS, S.B. (*Tufts Coll.*) 1946.
 JOHN HULBERT PARKS.
 WILLIAM BRADFORD PATTERSON, A.B. 1943 (1942).
 LOUIS NICHOLAS PERNOKAS, A.B. (*Dartmouth Coll.*) 1947.
 EDWARD DONN PIATT, JR.
 JOHN VERNON PIKULA, S.B. (*Univ. of Florida*) 1941.
 MARVIN JULIUS POWELL, S.B. 1947 (1946).
 WARREN HARDING PROUDFOOT.
 ALFREDO A. RAMIREZ DE ARELLANO, S.B. (*Univ. of Puerto Rico*) 1945.
 LEON REZNICK, A.B. 1946 (1945).
 WILLIAM ALLEN RICHARDS, S.B. 1944 (1943).
 JOHN D. ROBUCK, JR.
 HERBERT GERALD ROCK, S.B. (*New York State Coll. for Teachers*) 1941.
 WADE ROCKWOOD.
 MERRILL HERBERT ROSS.

MARVIN LEONARD SACHS, A.B. (*Yale Univ.*) 1946.
 BAHIJ SULAYMAN SALIBI, B.A. (*American Univ. of Beirut*) 1941, M.A. (*ibid.*) 1944.
 NORMAN WILLIAMS SAUNDERS, A.B. (*Dartmouth Coll.*) 1947.
 WILLIS CLAYTON SCHAUPP, A.B. (*Stanford Univ.*) 1947.
 EDWARD WILLIAM SCHOENHEIT, JR.
 HERMAN ARTHUR SCHWARTZ, S.B. (*Cornell Univ.*) 1941.
 KENNETH LOUIS SEARS, S.B. (*Univ. of Illinois*) 1940.
 CYRIL EMMETT SHEA, JR., A.B. (*Dartmouth Coll.*) 1947.
 DANIEL ROGER SHIELDS.
 NORMAN JOSEPH SISSMAN, A.B. (*Dartmouth Coll.*) 1947.
 DORRAINE WARD SLINGERLAND, S.B. 1944 (1943).
 RICHARD LANDIS SMYTHE, A.B. 1947 (1946).
 JAMES LOUIS SYKES.
 EVELYN DAVIS WAITZKIN, A.B. (*Radcliffe Coll.*) 1939, A.M. (*Simmons Coll.*) 1944.
 KENNETH FRANCIS WALKER, B.A. (*Univ. of Toronto*) 1946.
 THOMAS ENGLISH WALKER, A.B. (*Davidson Coll.*) 1939, A.M. (*Univ. of North Carolina*) 1941,
 S.M. (*ibid.*) 1942.
 THOMAS JAPHETH WHITFIELD, 3D.
 WALTER LLEWELLYN WILDER, A.B. (*Univ. of Minnesota*) 1947, S.B. (*ibid.*) 1948.
 GORDON FRANCIS WISE.
 RICHARD WOLFF, A.B. 1944 (1943).
 DANIEL TEST YOUNG, S.B. (*Guilford Coll.*) 1946.

CUM LAUDE

ALAN CLIFFORD AISENBERG, S.B. 1946 (1945).
 LEWIS MORGAN BLOOMINGDALE, S.B. (*Yale Univ.*) 1940, E.B. (*ibid.*) 1941.
 ROBERT BOWER.
 THOMAS EVANS BRITTINGHAM.
 CYRUS CATHEY BROWN, JR., A.B. (*Dartmouth Coll.*) 1947.
 JOHN FRANCIS BURNUM, S.B. (*Univ. of Alabama*) 1946.
 ROBERT CAMPBELL COE, S.B. (*Univ. of Washington*) 1940.
 RICHARD ALLAN FIELD, A.B. 1943 (1942).
 AMASA BROOKS FORD, A.B. (*Yale Univ.*) 1944 (1943).
 DONALD SAUL GAIR, S.B. 1945.
 WALTER HOLLANDER, JR., S.B. (*Haverford Coll.*) 1943.
 KURT JULIUS ISSELBACHER.
 AVARD MARION MITCHELL, S.B. (*Mount Union Coll.*) 1941, S.M. (*Purdue Univ.*) 1943, PH.D.
 (*ibid.*) 1947.
 FEDERICO MORA CASTAÑEDA.
 MAURICE PATRICK O'MEARA, S.B. (*Tufts Coll.*) 1946.
 CHARLES SUTHERLAND PETTY, S.B. (*Univ. of Washington*) 1941, S.M. (*ibid.*) 1946.
 DAVID BUTTERFIELD SHELDON, S.B. (*California Inst. of Technology*) 1946.
 CHARLES THOMAS STEWART, A.B. (*Stanford Univ.*) 1947.
 THOMAS FRANKLIN WILLIAMS, S.B. (*Univ. of North Carolina*) 1942, A.M. (*Columbia Univ.*)
 1943.

CUM LAUDE

for thesis in a special field

- NORMAN ARTHUR COULTER, JR., S.B. (*Virginia Polytechnic Inst.*) 1941.
DWAYN DOUGLAS HAGERMAN, A.B. (*Univ. of Colorado*) 1945, S.M. (*ibid.*) 1948.
ROGER FERRIS WHITE, S.B. (*Kansas State Coll.*) 1940, S.M. (*Washington State Coll.*) 1946.

MAGNA CUM LAUDE

for thesis in a special field

- MELVIN JACOB GLIMCHER, S.B. (*Purdue Univ.*) 1946, B.S.M.E. (*ibid.*) 1946.

DOCTORS OF DENTAL MEDICINE

- CHARLES LESLIE BOYERS, JR., A.B. (*Marietta Coll.*) 1941.
RICHARD LUNDY BUTLER, A.B. (*Coe Coll.*) 1947.
GEORGE CHRISTMAN, S.B. 1944, S.B. (*New York Univ.*) 1946.
MERRILL IRVING FELDMAN.
PHILIP AUGUSTUS REILLY, JR.
JAMES AUSTIN SOWLES, A.B. (*Bowdoin Coll.*) 1950.
WESLEY WALLACE WASHBURN, JR., A.B. (*Amherst Coll.*) 1944, M.D. (*Long Island Coll. of Medicine*) 1948, A.M. (*ibid.*) 1949.

CUM LAUDE

for thesis in a special field

- OWEN WILLIAM KITE, A.B. 1942.
MORTIMER LORBER, S.B. (*New York Univ.*) 1945.

MASTERS OF PUBLIC HEALTH

- MARY ADAMS, A.B. (*Bryn Mawr Coll.*) 1923, M.D. (*Johns Hopkins Univ.*) 1929.
GUILLERMO ESPEJO ADRIAZOLA, M.D. (*Univ. of Chile*) 1931.
ERIBERTO YANEZA AGUILAR, M.D. (*Univ. of the Philippines*) 1936.
HARLE VIRGIL BARRETT, S.B. (*Oklahoma Agricultural & Mechanical Coll.*) 1940, S.M. (*Kansas State Coll.*) 1942, M.D. (*Univ. of Kansas*) 1946.
MENFORD LEON BAUMAN, S.B. (*Oklahoma Agricultural & Mechanical Coll.*) 1925, A.M. (*Univ. of Kansas*) 1940, M.D. (*ibid.*) 1944.
NOUHAD NOUR BEYHUM, M.D. (*St. Joseph Univ.*) 1948.
THURMOND DEWITTE BOAZ, JR., S.B. (*Louisiana State Univ.*) 1934, M.B. (*ibid.*) 1939, M.D. (*ibid.*) 1940.
ALBERT JOSEPH DESAUTELS, M.D. (*Univ. of Vermont*) 1920.
AMY CHRISTINE EINERT, A.B. (*Columbia Univ.*) 1924, M.D. (*ibid.*) 1928.
JOHN DAVID GLISMANN, A.B. (*Univ. of Oklahoma*) 1943, M.D. (*ibid.*) 1946.
JOHN STUART GRUGGEL, S.B. (*Middlebury Coll.*) 1926, M.D. (*Long Island Medical School*) 1937.

ELIAS FARES HAYEK, M.D. (*Faculté Française de Médecine, Beirut*) 1937.
 VIRGINIA HEGGIE, S.B. (*Simmons Coll.*) 1943.
 MOHAMED ILIYAS, B.SC. (*Central Coll., Bangalore*) 1935, M.B.B.S. (*Medical Coll., Mysore*) 1941,
 D.P.H. (*All India Inst. of Hygiene and Public Health*) 1945.
 HASSAN HUSNI JALLOUL, M.D. (*Univ. of Lausanne*) 1937.
 HELEN KRONMILLER KABEL, S.B. (*Univ. of Buffalo*) 1949.
 BERNHARD KLAESS, M.D. (*Univ. of Berlin*) 1942.
 NORMA CHARLOTTE LARSON, S.B. (*Columbia Univ.*) 1941.
 LOUIS MARIE AUGUSTE LATAILLADE, M.D. (*Univ. of Alger*) 1935.
 KARL DAVID LUNDGREN, M.D. (*Univ. of Stockholm*) 1944.
 MARY ELIZABETH MOSKOPP, S.B. (*Vanderbilt Univ.*) 1944.
 DONALD SPENCER MYERS, A.B. (*Parke Coll.*) 1937, M.D. (*Univ. of Kansas*) 1943.
 EMILIO PELAEZ, M.D. (*Universidad Mayor de San Andrés*) 1943.
 ARSENIO CANLAS REGALA, M.D. (*Univ. of the Philippines*) 1935.
 RENATO MARINO ROYO, S.B. (*Louisiana State Univ.*) 1939, S.M. (*Pennsylvania State Coll.*) 1941,
 M.D. (*Northwestern Univ.*) 1948.
 RAYMOND ERNEST SMALLWOOD, S.B. (*Coll. of the Ozarks*) 1934, M.D. (*Univ. of Arkansas*) 1938.
 MERLE EVERETT SMITH, A.B. (*Univ. of Alabama*) 1925, S.B. (*ibid.*) 1927, M.D. (*Univ. of
 Nebraska*) 1929.
 KAMDHORN SUVARNAKICH, M.D. (*Siriraj Medical School*) 1938.
 MASUO TAKABE, M.D. (*Tokyo Imperial Univ.*) 1938.
 MARY LEE TAYLOR, S.B. (*Columbia Univ.*) 1947.
 KIRSTI KANNISTO VALANNE, M.D. (*Helsinki Univ.*) 1947.
 MEROPI GEORGE VIOLAKI, M.D. (*Univ. of Athens*) 1940.
 WILLIAM A WECKER, A.B. (*New York Univ.*) 1943, M.D. (*ibid.*) 1946.
 JESSE VERNON WESTERMAN, D.D.S. (*Washington Univ.*) 1928.

CUM LAUDE

SIDNEY ADAMS BRITTEN, A.B. (*Hamilton Coll.*) 1927, M.D. (*Syracuse Univ.*) 1931.
 VICTORIA MAXWELL CASS, A.B. (*Wheaton Coll.*) 1934, M.D. (*Tufts Coll.*) 1942.
 OSCAR CUEVAS CHACÓN, M.D. (*Univ. of the Philippines*) 1947.
 WILLIAM HARDING LE RICHE, B.SC. (*Univ. of Witwatersrand*) 1936, M.B.B.CH. (*ibid.*) 1943,
 M.D. (*ibid.*) 1949.
 THOMAS FEGER PUGH, M.D. (*Hahnemann Medical Coll.*) 1937.
 PHILIP BERTRAM STONES, M.B., B.S., M.R.C.S., L.R.C.P. (*St. Thomas' Hospital Medical School*)
 1942.

MAGNA CUM LAUDE

DOROTHY BLAKE CHAMBERLIN, S.B. (*Middlebury Coll.*) 1936, M.D. (*Albany Medical Coll.*)
 1940.

AS OF THE YEAR 1941

NICHOLAS CHARLES LEONE, M.D. (*Duke Univ.*) 1950.

MASTER OF INDUSTRIAL HEALTH

ARTHUR EDWARD SULEK, S.B. (*Univ. of Iowa*) 1934, M.D. (*ibid.*) 1936.

MASTERS OF SCIENCE IN HYGIENE

WILLEM STEVEN FREDERIK, M.D. (*Medical School, Utrecht*) 1940 (*Industrial Hygiene*).

OLIVE MAE LOMBARD, B.S.C. (*McGill Univ.*) 1940 (*Biostatistics*).

IDA VIRGINIA PERKINS, A.B. (*La Grange Coll.*) 1940 (*Public Health Bacteriology*).

DOCTOR OF PUBLIC HEALTH

TOM FRENCH WHAYNE, A.B. (*Univ. of Kentucky*) 1926, M.D. (*Washington Univ.*) 1931.
Special Field, Epidemiology. Thesis, "Cold Injury in World War II: A Study in the Epidemiology of Trauma."

BACHELORS OF LAWS

RICHARD WALTER ADAMI, S.B. 1947 (1946).

SALISBURY ADAMS, S.B. (*Univ. of Minnesota*) 1945.

JOSEPH ADINOLFI, JR., A.B. (*Wesleyan Univ.*) 1947.

DAVID ALTER, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.

HANS HORST ANGERMUELLER, A.B. 1944 (1946), S.M. 1947.

HOWARD CHARLES ANT, A.B. (*Brooklyn Coll.*) 1947.

ST. CLAIR KELLEY ARCHER, JR., A.B. (*Princeton Univ.*) 1947.

THEODORE CONSTANTINE ARGIRIS, S.B. 1945 (1947).

HARRY WINFRED ASQUITH, JR., A.B. (*Brown Univ.*) 1947.

MAURICE ARTHUR AUSLANDER, S.B. (*New York Univ.*) 1947.

GEORGE HENRY BABCOCK, S.B. (*Indiana Univ.*) 1947.

ROBERT RIPPEL BAIR, A.B. (*Brown Univ.*) 1946.

RALEIGH WALTER BAKER, S.B. (*Univ. of North Carolina*) 1936.

BERNARD LOUIS BALKIN, A.B. (*Univ. of California at Berkeley*) 1947.

ROBERT GRANT BARCLAY, A.B. (*Princeton Univ.*) 1947.

RICHARD WHITEFIELD BARNES, A.B. (*Georgetown Univ.*) 1944.

MORTIMER BARR, S.B. IN ED. (*Univ. of Arkansas*) 1940, A.M. (*Louisiana State Univ.*) 1941.

JOHN WATTS BARRETT, JR., A.B. (*Lehigh Univ.*) 1947.

WALTER ALAN BATES, A.B. 1946 (1945).

FRANK JOSEPH BATTISTI, A.B. (*Ohio Univ.*) 1947.

PAUL BAUMAN, A.B. (*New York Univ.*) 1947.

DONALD HAMILTON BAYLES, A.B. (*Amherst Coll.*) 1943.

BORDEN FRAZIER BECK, JR., A.B. 1945 (1947).

ALAN K BENJAMIN, A.B. (*Yale Univ.*) 1947.

HUNTER McCAULEY BENNETT, JR., S.B. (*Massachusetts Inst. of Technology*) 1947.

JULIUS HARRY BERG, S.B. (*St. Louis Univ.*) 1947.

MARK HERBERT BERGER, B.CHEM.ENGIN. (*Polytechnic Inst. of Brooklyn*) 1947.
 HAROLD BERNARD BERMAN, A.B. (*Univ. of Texas*) 1947.
 BURTON CHARLES BERNARD, A.B. (*Washington Univ. at St. Louis*) 1947.
 LEONARD WILLIAM BERTELSEN, 3D, S.B. (*Cornell Univ.*) 1944.
 SAMUEL SHAW BINNIAN, S.B. 1940.
 IVAN EDWARD BIRSIC.
 DAVID CARL BLACK, A.B. (*Washington Univ. at St. Louis*) 1947.
 JEROME VINCENT BLATZ, A.B. (*Univ. of Notre Dame*) 1947.
 ROBERT BLOOM, A.B. (*Univ. of Wisconsin*) 1947.
 MURRAY BOGATIN, A.B. (*New York Univ.*) 1947.
 BRUCE BOLTON, B.CHEM.ENGIN. (*Syracuse Univ.*) 1943, M.CHEM.ENGIN. (*ibid.*) 1947.
 MYRON BOLUCH, A.B. (*Amherst Coll.*) 1947.
 COLEMAN LEONARD BORNSTEIN, A.B. (*Tufts Coll.*) 1947.
 WILLIAM ALVIN BOYLAN, A.B. (*Drake Univ.*) 1947.
 DANIEL JOSEPH BOYLE, A.B. (*Univ. of Notre Dame*) 1947.
 ROBERT EDGAR BRADNEY, A.B. (*Illinois Coll.*) 1947.
 SHELDON HIRSH BRAITERMAN, A.B. 1947.
 LYON LOUIS BRINSMADE, S.B. (*Michigan Coll. of Mining and Technology*) 1944.
 STANLEY SEYMOUR BROTMAN, A.B. (*Yale Univ.*) 1947.
 ROWLAND CHAUNCEY WIDRIG BROWN, A.B. 1945 (1947).
 JOSEPH SHEPARD BRYAN, JR., S.B. (*U. S. Naval Academy*) 1944.
 GEORGE ISAAC BUCKLER, A.B. 1943, A.M. (*Univ. of Pittsburgh*) 1947.
 BRENDAN THOMAS BYRNE.
 LOUIS JOHNSON CALLAS, A.B. (*Boston Univ.*) 1947.
 GEORGE FRANCIS CARROLL, JR., A.B. (*Dartmouth Coll.*) 1947.
 FRANCIS HENRY CASKIN, A.B. 1944 (1943).
 JOHN LESTER HUBBARD CHAFFEE, A.B. (*Yale Univ.*) 1947.
 ARTHUR SAMUEL WILLIAM CHANTRY, A.B. (*Univ. of Washington at Seattle*) 1942.
 LOUIS EDELSTEN CHARNLEY, JR., A.B. (*Princeton Univ.*) 1946.
 STANLEY BERNARD COHEN, A.B. (*Brooklyn Coll.*) 1947.
 MARTIN DAVID COHN, A.B. (*Pennsylvania State Coll.*) 1945.
 DAVID GOULD COLT, A.B. (*Princeton Univ.*) 1946.
 WILLIAM KENNETH CONDRELL, S.B. (*Yale Univ.*) 1946, S.M. (*Massachusetts Inst. of Technology*) 1947.
 WILLIAM SULLIVAN CONNOLLY.
 ROBERT FRANCIS COOGAN, A.B. (*Fordham Univ.*) 1947.
 ALFRED COPELAND, S.B. (*U. S. Naval Academy*) 1944.
 LAWRENCE BERNARD COSHNEAR, A.B. 1946 (1947).
 FRED D COX, JR., A.B. (*Furman Univ.*) 1947.
 CHARLES ROBERT CRIMMIN, A.B. (*Bowdoin Coll.*) 1943.
 JAMES ANTHONY CRONIN, JR., A.B. (*Bates Coll.*) 1947.
 ROBERT AMBROSE CURLEY, A.B. 1946 (1948).
 JOHN PHILLIPS DAVIS, JR., A.B. 1947.
 HERMAN BRISTER DECELL.
 LOUIS LINWOOD DUVERGER DEES, A.B. (*Pomona Coll.*) 1943.

MORRIS LOUIS DEUTSCH, B.B.A. (*City Coll. of the Coll. of the City of New York*) 1947.
 PATRICK EDWARD DRESSLER, A.B. 1946 (1947).
 CHARLES TIGNOR DUNCAN, A.B. (*Dartmouth Coll.*) 1947.
 CLYDE EMERSON DUNCAN, 2D, A.B. (*Amherst Coll.*) 1947.
 PAUL STERLING EDELMAN, A.B. 1946 (1947).
 GARNETT THOMAS EISELE, A.B. (*Washington Univ. at St. Louis*) 1947.
 DONALD NEIL ELBERFELD, A.B. (*Princeton Univ.*) 1947.
 WILLIAM EARL ELLISON, S.B. (*Univ. of Pennsylvania*) 1943.
 LIONEL CHARLES EPSTEIN, A.B. (*New York Univ.*) 1947.
 BLAINE F EVANS, A.B. (*Univ. of Idaho*) 1947.
 WILLIAM PAINE EVERTS, JR., S.B. 1939.
 JAMES FRANCIS FALLON, JR.
 THOMAS LAURENCE FARMER, A.B. 1944 (1943), B.A. (*Univ. of Oxford*) 1948.
 RUSSELL ALLEN FARRINGTON, JR., A.B. 1945 (1947).
 RICHARD SNOW FARROW, S.B. 1945.
 RALPH ARTHUR FIELDS, A.B. (*Stanford Univ.*) 1947.
 NORMAN STILES FINK, A.B. (*Dartmouth Coll.*) 1947.
 RICHARD KRIEGER FINK, A.B. (*Univ. of California at Los Angeles*) 1947.
 HAROLD KENNETH FISH, A.B. (*Rutgers Univ.*) 1947.
 WILLIAM HUGHART FLETCHER, A.B. (*DePauw Univ.*) 1945, M.B.A. (*Northwestern Univ.*) 1947.
 BRIAN DEREK FORROW, A.B. (*Princeton Univ.*) 1947.
 KENNETH G FRADIN, A.B. (*Univ. of Buffalo*) 1947.
 KENNETH RICHARD FRANKL, A.B. 1945 (1947).
 EDWARD ALVIN WARD FRANKLIN, A.B. 1947.
 PASCAL BAILEY FRAZIER, A.B. (*Univ. of California at Berkeley*) 1947.
 BERNARD ALLEN FRIEDMAN, A.B. (*Univ. of Illinois*) 1947.
 CHARLES THEODORE GALLAGHER, A.B. 1947.
 JEROME JOSEPH GELMAN, B.A. (*Univ. of Cambridge*) 1947.
 FRED GENDRAL.
 CHARLES EDWARD GENNERT, A.B. (*Yale Univ.*) 1947.
 FRANCIS HAROLD GEORGE, S.B. 1941 (1946).
 JOHN FRED GERMANY, A.B. (*Univ. of Florida*) 1944.
 JAMES COTTINGHAM GIBBENS, A.B. (*Yale Univ.*) 1947.
 GEORGE BELVIN GIFFORD, JR., A.B. (*Yale Univ.*) 1942.
 EDWARD GILMORE, A.B. (*Coll. of the Holy Cross*) 1943, A.M. (*Boston Coll.*) 1947.
 WILLIAM KENNETH GLIKBARG, A.B. (*Stanford Univ.*) 1947.
 THEODORE WESLEY GLOCKER, JR., S.B. (*Univ. of Tennessee*) 1947.
 BENJAMIN GNESHIN, S.B. (*City Coll. of the Coll. of the City of New York*) 1949.
 THEODORE NORRIS GOBLE, JR., A.B. (*Drew Univ.*) 1947.
 MAURICE HAROLD GOETZ, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.
 LAWRENCE GOLDBERG.
 A PAUL GOLDBLUM, A.B. 1946 (1947).
 JACK LEONARD GOODSITT, A.B. (*Univ. of Wisconsin*) 1946.
 ALBERT IRWIN GORDON, A.B. (*Univ. of Michigan*) 1947.
 EDGAR GEORGE GORDON, JR., A.B. (*Princeton Univ.*) 1947.

EFREM ARNOLD GORDON, A.B. 1946 (1947).
 JACOB GREEN, S.B. (*U. S. Naval Academy*) 1945.
 ROBERT NORMAN GREEN, A.B. (*Columbia Univ.*) 1947.
 HERBERT W GREENBERG, B.B.A. (*City Coll. of the Coll. of the City of New York*) 1947.
 JOSEPH HEYWOOD GREENBERG, A.B. (*Butler Univ.*) 1947.
 HARVEY GREENFIELD, A.B. (*New York Univ.*) 1947.
 EDWARD JULES GREENSPAN, S.B. (*Boston Univ.*) 1947.
 DAVID ABRAHAM GROSSBERG, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.
 GILBERT EDWARD HAAKH, A.B. (*Univ. of California at Berkeley*) 1947.
 MILES LEWIS HALL, JR., A.B. (*Princeton Univ.*) 1947.
 WALTER BURNETTE HALL, A.B. (*Agricultural and Mechanical Coll. of Texas*) 1947.
 GERALD PAUL HALPERN, A.B. (*Univ. of Wisconsin*) 1947.
 TAYLOR WILLIAM HANAVAN, A.B. (*Fordham Univ.*) 1947.
 WILLIAM LEWIS HANSON, A.B. (*Univ. of Redlands*) 1946.
 LEWIS HARRIS, A.B. (*New York Univ.*) 1947.
 BRUCE HARRISON, JR., A.B. (*Allegheny Coll.*) 1945.
 BUDDY WARREN HART, A.B. (*State Univ. of Iowa*) 1947.
 BUSTER CLARENCE HART, A.B. (*State Univ. of Iowa*) 1947.
 RICHARD FOREMAN HART, A.B. 1943.
 CHARLES CHRISTIAN HARTMAN, JR., S.B. (*Virginia Military Inst.*) 1947.
 CHARLES EDWARD HARTMAN, S.B. (*Virginia Military Inst.*) 1947.
 ROBERT DUNLAP HAZLETT, A.B. (*Princeton Univ.*) 1947.
 MYRON FRANKLIN HEILIG, A.B. (*Cornell Univ.*) 1944.
 JOHN PIERRE HEINZEN, LIC. EN DROIT (*Univ. of Paris*) 1947.
 DANIEL NEAL HELLER, S.B. (*New York Univ.*) 1947.
 SHELDON BERNARD HELLER, A.B. (*New York Univ.*) 1947.
 DEAN McDONALD HENNESSY, A.B. 1947.
 GEORGE MORRISON HESS, JR., A.B. (*Bucknell Univ.*) 1947.
 HOMER HART HEWITT, 3D, A.A. (*Princeton Univ.*) 1947.
 CLARE LEE HICKERSON, A.B. (*Ohio State Univ.*) 1947.
 GEORGE THOMAS HIGGINS, A.B. (*Manhattan Coll.*) 1947.
 WILLIAM MARCELLIN HOEVELER, A.B. (*Bucknell Univ.*) 1947.
 BURT STARKWEATHER HOFMANN, S.B. (*Univ. of California at Berkeley*) 1947.
 JAMES EDWARD HOLLAND, JR., A.B. (*Providence Coll.*) 1947.
 NORMAN NORWOOD HOLLAND, JR., S.B. (*Massachusetts Inst. of Technology*) 1947.
 CLARENCE MILTON HOLLOWAY, S.B. (*Howard Univ.*) 1947.
 WILLIAM JUDSON HOLLOWAY, JR., A.B. (*Univ. of Oklahoma*) 1947.
 FORREST SHEPPERSON HOLMES, JR., A.B. (*Princeton Univ.*) 1943.
 HENRY ALBERT HOOVER, PH.B. (*Univ. of Notre Dame*) 1947.
 ELLIOTT HORTON, 3D, A.B. (*Yale Univ.*) 1946.
 FRANK ALLAN HOWARD, JR., A.B. (*Univ. of Miami*) 1947.
 SEYMOUR HOZORE, A.B. (*New York Univ.*) 1947.
 THOMAS TIN FAH HUANG, B.A. (*Univ. of South Africa*) 1944, A.M. (*Johns Hopkins Univ.*)
 1947.
 HARRY CHARLES HUMBERT, A.B. (*Univ. of West Virginia*) 1947.

ROBERT LEE HUMPHREY, B.B.A. (*Univ. of Wisconsin*) 1947.
 ROBERT BELLARMINE HUPP, A.B. (*Fordham Univ.*) 1947.
 HUGH CURRAN HUSTON, A.B. (*Univ. of Missouri*) 1947.
 BERNARD MANUEL HYATT, A.B. (*Univ. of Maryland*) 1943.
 PHILIP MARSHAL ISAACSON, A.B. (*Bates Coll.*) 1947.
 IRVING DAVID ISKO, A.B. (*Cornell Univ.*) 1947.
 ARTHUR GREGG JACKSON, S.B. (*Yale Univ.*) 1942.
 GIRARD REUEL JETTON, JR., S.B. IN ENGIN. (*George Washington Univ.*) 1945, A.B. (*ibid.*) 1947.
 RAY LAVALLE JOHNSON, JR., A.B. (*Univ. of California at Los Angeles*) 1947.
 SETH MAURICE KALBERG, JR., A.B. (*Yale Univ.*) 1947.
 HAROLD KATZ, A.B. 1943.
 REUVEN JONAH KATZ.
 HOWARD RIEMER KAUFMAN, A.B. (*New York Univ.*) 1947.
 FRED MERLIN KECKER, A.B. (*Pennsylvania State Coll.*) 1947.
 JAMES THOMAS KELLS, A.B. (*Univ. of Virginia*) 1947.
 GEORGE JOHN KETO, S.B. IN MECH. ENGIN. (*Case School of Applied Science*) 1942, S.M. (*Columbia Univ.*) 1947.
 GEORGE HOWELL KIDDER, B.N.S. (*Tufts Coll.*) 1945.
 ROBERT MARVIN KIEVAL, S.B. (*City Coll. of the Coll. of the City of New York*) 1946.
 RICHARD GORDON KLEINDIENST, A.B. 1947.
 MORTON KOPPEL, S.B. (*New York Univ.*) 1946.
 ALLEN STANTON KRAKOVER, S.B. (*Univ. of Pittsburgh*) 1944.
 JOHN GERHARD KRISTENSEN, S.B. (*Ursinus Coll.*) 1947.
 EDWARD HARRY KURTH, S.B. (*U. S. Military Academy*) 1939.
 JACK BARRETT LAMB, A.B. (*Univ. of California at Berkeley*) 1947.
 KENNETH RAY LA VOY, JR., A.B. (*Syracuse Univ.*) 1943, A.M. (*ibid.*) 1947.
 JOHN JOSEPH LAYDEN, A.B. (*Coll. of the Holy Cross*) 1947.
 LEE BRADLEY LEDFORD, JR., S.B. (*U. S. Military Academy*) 1941.
 LUTHER LINDSEY LEEGER.
 LOUIS ANDREW LEESTINSKY, A.B. (*Ohio State Univ.*) 1941.
 PERRY BERTRAM LEFF, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.
 LEONARD JAY LEFKORT, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.
 ROBERT WILLIAM LEINER, A.B. (*Tulane Univ.*) 1946, A.M. (*ibid.*) 1947.
 CHARLES DAVID THOMAS LENNHOFF, S.B. (*U. S. Military Academy*) 1939.
 DUNCAN EGGER LENNON, S.B. (*Univ. of Illinois*) 1942.
 JULIUS LEVINSON, B.B.A. (*City Coll. of the Coll. of the City of New York*) 1947.
 DONALD ROMM LEVY, A.B. 1946 (1947).
 FRED JOSEPH LIVINGSTONE.
 PHILLIP HARRY GEORGE LOPATNIKOV, A.B. (*Western Reserve Univ.*) 1943.
 NORMAN WORTH LOVELESS, A.B. (*Univ. of California at Los Angeles*) 1947.
 JOSEPH PATRICK LYNCH, A.B. (*Coll. of the Holy Cross*) 1947.
 JOSEPH EDWARD McANDREWS, A.B. 1946 (1947).
 CLEMENT McCARTHY, A.B. (*Brown Univ.*) 1947.
 MICHAEL JOHN McCLOUD, JR.
 JOHN PETER McGALLOWAY, JR., A.B. (*Marquette Univ.*) 1947.

THOMAS HUGH McGRAIL, JR., A.B. 1947.
 JULIUS ALLEN McINTOSH, A.B. (*Ohio State Univ.*) 1947.
 DAVID DEARBORN McKENNEY, S.B. IN MECH.ENGIN. (*Yale Univ.*) 1947.
 ISADORE MICHAEL MACKLER, S.B. (*Columbia Univ.*) 1941, S.M. (*ibid.*) 1947.
 JOHN DONALD McNAMARA, A.B. (*Dartmouth Coll.*) 1945.
 RICHARD JOHN McNAMARA, A.B. 1947.
 HENRY ROEMER McPHEE, JR., A.B. (*Princeton Univ.*) 1947.
 ROBERT LYTTON MADDox, JR., A.B. 1946 (1947).
 GERARD MANDELBAUM, A.B. (*Yale Univ.*) 1947.
 ROBERT LEE MARCHMAN, 3D, A.B. (*Emory Univ.*) 1947.
 ELLIOT NOEL MARKELL, A.B. 1946 (1947).
 ALBERT JULIAN MARKS, JR., A.B. 1947 (1946).
 JOHN ALLAN MARSHALL, A.B. 1946 (1947).
 RICHARD MICHAEL MARSHALL, A.B. (*New York Univ.*) 1947.
 GERALD EDWARD MASLON, S.B. 1944.
 ALBERT JOSEPH MILLUS, A.B. (*Fordham Univ.*) 1946.
 BERTRAM DANIEL MOLL, A.B. (*New York Univ.*) 1947.
 PAUL JEAN MONNORY, LIC. EN DROIT (*Univ. of Paris*) 1946.
 RICHARD HARLAN MONTGOMERY, A.B. (*Princeton Univ.*) 1947.
 WINSTON VAUGHAN MORROW, JR., A.B. (*Williams Coll.*) 1947.
 MARTIN PETER MOSER, A.B. (*The Citadel*) 1947.
 EARLE CHESTER MOSS, JR., A.B. (*Duke Univ.*) 1947.
 WILLIAM THOMAS MUNSON, A.B. 1942 (1947).
 RAPHAEL MUR, S.B. (*Tufts Coll.*) 1946.
 RICHARD RIZER MURPHEY, JR., A.B. (*Washington Univ. at St. Louis*) 1947.
 FRANCIS XAVIER MURPHY, A.B. 1947.
 ROY EUGENE MURRAY, JR., S.B. (*Univ. of Notre Dame*) 1942.
 ALFRED MARRINER NAFF, A.B. (*Univ. of the South*) 1947.
 ALEXANDER NAIMON, S.B. (*City Coll. of the Coll. of the City of New York*) 1944.
 ROBERT HAROLD NELSON, A.B. (*Univ. of Detroit*) 1944.
 EDWARD LOUIS NEWBERGER, A.B. (*Yale Univ.*) 1940.
 MELVILLE BERNARD NIMMER, A.B. (*Univ. of California at Berkeley*) 1947.
 ANTHONY PARNELL NUGENT, JR., A.B. 1947.
 DAVID JOSEPH O'BOYLE, A.B. (*Univ. of Pennsylvania*) 1947.
 JAMES EDWARD O'BOYLE, A.B. (*Univ. of Wisconsin*) 1947.
 JOHN FRANCIS O'LAUGHLIN, S.B. (*New York Univ.*) 1947.
 EDWIN JAMES O'MARA, JR., A.B. 1947.
 DAVID ORLIN, A.B. (*Syracuse Univ.*) 1947.
 ARNOLD OSTWALD, A.B. (*Univ. of Illinois*) 1947.
 RICHARD OWEN, A.B. (*Dartmouth Coll.*) 1947.
 SIDNEY HALL PAIGE, A.B. (*Amherst Coll.*) 1947.
 RICHARD FRANCIS PALMER, A.B. 1946 (1947).
 THEODORE GEORGE PAPPAS, A.B. 1947.
 EUGENE LEROY PARKER, JR., A.B. 1946 (1947).
 RUSSELL ADDIS PARRISH, A.B. (*Univ. of Wisconsin*) 1947.

JAMES HENRY PARSONS, JR., S.B. (*Northwestern Univ.*) 1946.
 WILLIAM BRADSHAW PATRICK, A.B. (*Principia Coll.*) 1947.
 WILLIAM DANIEL PATTON, A.B. (*Princeton Univ.*) 1947.
 JAMES BISHOP PEABODY, A.B. 1945 (1947).
 RUSSELL HASTINGS PECK, A.B. 1943 (1947).
 JULIAN S PERLMAN, A.B. (*Brooklyn Coll.*) 1947.
 EDWARD PESIN, A.B. (*Rutgers Univ.*) 1947.
 ALBERT CLINTON PETITE, A.B. 1945 (1947).
 BENJAMIN PHELOSOF, A.B. (*City Coll. of the Coll. of the City of New York*) 1940.
 HERSCHEL ALLEN PHILLIPS, A.B. (*Univ. of California at Berkeley*) 1947.
 ROMULUS AUGUSTUS PICCIOTTI, A.B. 1936.
 JOHN BURNEY PIERCE, JR., A.B. 1945 (1947).
 SYDNEY DILLINGHAM PINNEY, JR., A.B. (*Amherst Coll.*) 1947.
 WILLIAM EDWARD POE, S.B. (*Wake Forest Coll.*) 1947.
 NORBERT JAMES PONTZER, A.B. (*Univ. of Pittsburgh*) 1947.
 GEORGE RUSSELL POOR, S.B. 1937.
 JAMES PERRY POWERS, A.B. (*Univ. of Arizona*) 1947.
 FRANKLIN HOPTON PRESTON, A.B. (*Amherst Coll.*) 1942, I.A. (*Harvard Univ.*) 1943, M.B.A.
 (*ibid.*) 1947.
 JACK BASIL PURCELL, A.B. 1947.
 JOSEPH BERNARD QUIGLEY, S.B. (*U. S. Naval Academy*) 1945.
 RICHARD BASSETT RAGLAND, A.B. (*Princeton Univ.*) 1947.
 CHARLES HENRY RANDALL, JR., A.B. 1947.
 ALBERT ASH RAPHAEL, JR., A.B. (*Yale Univ.*) 1947.
 ROBERT MERRIAM RAYMOND, A.B. (*Yale Univ.*) 1947.
 ALEXANDER PRESTON REED, JR., A.B. (*Amherst Coll.*) 1947.
 DAVID MICHAEL REILLY, JR., A.B. 1948 (1947).
 ARTHUR JOACHIM REISSNER, DR. JUR. (*Univ. of Basle*) 1936.
 GEORGE DEWEY REYCRRAFT, A.B. (*Wesleyan Univ.*) 1947.
 JOHN MICHAEL REYNOLDS, S.B. (*Coll. of the Holy Cross*) 1947.
 CLIFFORD DAY REZNICEK, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.
 MILFORD FOSTER RHINES, JR., A.B. (*Trinity Coll., Conn.*) 1942.
 ROBERT DALE RICKERT, A.B. (*Duke Univ.*) 1945.
 JAMES WILLIAM RIGRISH, S.B. (*Ohio State Univ.*) 1947.
 FRANK ROBERT RINALDI, A.B. 1947.
 JAMES KENNEDY ROBINSON, A.B. (*Cornell Univ.*) 1947.
 WALTER SCOTT CALWELL ROGERS, S.B. (*Fordham Univ.*) 1947.
 DAVID ROBERT ROOD, A.B. (*Marietta Coll.*) 1947.
 ROBERT M ROSENBERG, JR., S.B. (*Univ. of Vermont*) 1946.
 JESSEL ROTHMAN, A.B. (*New York Univ.*) 1947.
 JACOB LOUIS ROTHSTEIN, A.B. (*New York Univ.*) 1947.
 EUGENE PETER RUEHLMANN, A.B. (*Univ. of Cincinnati*) 1948.
 EBER HARWOOD RYDHOLM, A.B. (*Univ. of Michigan*) 1947.
 HOWARD FREDERIC SACHS, A.B. (*Williams Coll.*) 1947.
 HERSHEL BENJAMIN SARBIN, A.B. (*Western Reserve Univ.*) 1946.

JOHN CARL SCHLUEB, A.B. 1946 (1947).
 VERN HAMPTON SCHNEIDER, A.B. (*Univ. of Kansas*) 1947.
 CHARLES GEORGE SCHOENFELD, A.B. (*Yale Univ.*) 1947.
 VAL LA RUE SCHOENTHAL, S.B. (*State Univ. of Iowa*) 1947.
 ROBERT KENT SCHUMACHER, S.B. (*Massachusetts Inst. of Technology*) 1947.
 RICHARD THORNE SCULLY.
 MARSHALL JACOB SEIDMAN, S.B. (*Univ. of Pennsylvania*) 1947.
 MELVIN SEIFER, A.B. 1946 (1947).
 ROBERT NORTON SHAMANSKY, A.B. (*Ohio State Univ.*) 1947.
 ALLAN EDGAR SHAPIRO, A.B. (*Yale Univ.*) 1947.
 JOSEPH HERMAN SHARLITT, A.B. 1945 (1947).
 DAVID ISAAC SHEDROFF, B.ENGIN. (*Yale Univ.*) 1945.
 ROURKE JOSEPH SHEEHAN, PH.B. (*Xavier Univ.*) 1947.
 THOMAS CALVIN SHEPARD, S.B. IN E.E. (*Georgia School of Technology*) 1946.
 DENTON ALFRED SHRIVER.
 EDWARD JOSEPH SIMERKA, A.B. (*Univ. of New Mexico*) 1947.
 EDWARD DICRAN SIMSARIAN, A.B. (*Princeton Univ.*) 1947.
 NORMAN PHILIP SINGER, S.B. (*Yale Univ.*) 1947.
 FRANCIS WARTON KAAAN SMITH, JR., A.B. (*Bowdoin Coll.*) 1947.
 HAROLD HENKEL SMITH, S.B. (*West Virginia Univ.*) 1939.
 ALPHONSE ADAM SOMMER, JR.
 MAURICE SAMUEL SPANBOCK, A.B. (*Columbia Univ.*) 1944.
 MARVIN SPARROW, S.B. (*Massachusetts Inst. of Technology*) 1946.
 LEAVENWORTH PORTER SPERRY, JR., A.B. (*Yale Univ.*) 1947.
 MORTIMER SOLOMON STEINBERG, A.B. 1947.
 GEORGE CALVERT STEUART, JR., A.B. (*Emory Univ.*) 1947.
 THEODORE FULTON STEVENS, A.B. (*Univ. of California at Los Angeles*) 1947.
 GREGORY EUGENE STONE, JR., A.B. 1931.
 ALBERT WAY STRANG, A.B. 1944 (1947).
 CORNELIUS FRANCIS SULLIVAN, JR., A.B. (*Fordham Univ.*) 1947.
 DAVID EDMUND SULLIVAN, S.B. (*Univ. of South Carolina*) 1943, S.M. (*ibid.*) 1943.
 EARL ROY SURLOFF, A.B. (*Univ. of Wisconsin*) 1947.
 PHILIP HALES SUTER, JR., A.B. (*Yale Univ.*) 1947.
 GUY ANDREW SWENSON, A.B. (*Dartmouth Coll.*) 1942.
 SHELDON TABB, S.B. (*Univ. of Pennsylvania*) 1945.
 JOHN KAYE TABOR, A.B. (*Yale Univ.*) 1942, B.A. (*Univ. of Cambridge*) 1947.
 WILLIAM THOMAS TALCOTT, JR., A.B. (*Bowdoin Coll.*) 1947.
 DAVID PAYNE TEMPLETON, A.B. 1947.
 NORMAN JOHN THOMAS, B.ENGIN. (*Yale Univ.*) 1947.
 FREDERICK THEODORE THOMSEN, S.B. IN ENGIN. (*Iowa State Coll.*) 1947.
 THOMAS DARSIE THOMSON, A.B. (*Princeton Univ.*) 1947.
 FRED LEWIS TRUE, JR., A.B. (*Bowdoin Coll.*) 1947.
 DONALD JOSEPH TWOMBLY, S.B. 1944 (1947).
 FRED BOYD UGAST, A.B. (*Catholic Univ. of America*) 1945, A.M. (*ibid.*) 1946.
 LAWRENCE BLANQUART URBANO, A.B. (*Williams Coll.*) 1947.

JEPHTHA HOMER WADE, S.B. (*Massachusetts Inst. of Technology*) 1946.
 DAVID KENT WAER, A.B. 1945 (1947).
 JOHN JAMES WALLER, A.B. 1946 (1947).
 EDWIN MASSEY WATSON, A.B. (*Univ. of Missouri*) 1947.
 THOMAS SQUIRES WEARY, A.B. 1946 (1947).
 LEONARD PAUL WEBB, JR.
 BERNARD WEHRMANN, S.B. (*City Coll. of the Coll. of the City of New York*) 1943.
 AARON BERNARD WEINGAST, A.B. (*Rutgers Univ.*) 1947.
 HAROLD WEINSTOCK, S.B. (*New York Univ.*) 1947.
 RALPH RAPHAEL WEISER, A.B. (*New York Univ.*) 1947.
 JOHN MATTHEW WEJMAN, A.B. 1945 (1947).
 RICHARD LESLIE WELLS, A.B. (*Stanford Univ.*) 1942.
 RAYMOND JOHN WENGER, JR., S.B. (*Coll. of the Holy Cross*) 1947.
 MORRIS JACOB WEXLER, S.B. (*Univ. of Illinois*) 1947.
 ROBERT PATRICK WHITE.
 STUART ALEXANDER WHITE, S.B. (*U. S. Naval Academy*) 1945.
 BURTON LAWRENCE WILLIAMS, A.B. (*Ohio State Univ.*) 1947.
 DARRELL EDWARD WILLIAMS, S.B. (*Univ. of Utah*) 1947.
 DAVID SAMUEL WINE, A.B. (*Univ. of Arizona*) 1947.
 SEYMOUR ROBERT WINSTON, A.B. (*Univ. of California at Los Angeles*) 1947.
 FRANK ADOLPH WOLLAEGER, A.B. (*Univ. of Wisconsin*) 1947.
 EUGENE WOLLAN, A.B. 1948 (1947).
 ROGER ALLISON WOLTJEN, A.B. (*Univ. of Pennsylvania*) 1947.
 BURTON CLARK WOOD, A.B. (*Univ. of Oklahoma*) 1947.
 JOHN WALDEMAR WYDLER.
 VINCENT HISAKI YANO, S.B. (*Univ. of Dayton*) 1943.
 HAROLD YOUNG, A.B. (*New York Univ.*) 1947.
 JOHN ANTHONY ZALONIS, JR., S.B. (*Univ. of Maryland*) 1947.
 ROBERT NADE ZARICK, A.B. (*Univ. of California at Berkeley*) 1947.
 ROBERT ZUCKERMAN, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.

CUM LAUDE

JEROME EDSON ANDREWS, JR., A.B. 1946.
 JOSEPH EDWARD BARE, JR., A.B. (*Univ. of Rochester*) 1947.
 VICTOR JOSEPH BAUM, A.B. (*Univ. of Michigan*) 1946.
 PAT BEARD, A.B. (*Baylor Univ.*) 1947.
 ROBERT ABNER BEHRMAN, A.B. (*Yale Univ.*) 1947.
 WILLIAM HOWARD BERMAN, A.B. 1946 (1947).
 MARTIN BLACKMAN, S.B. (*New York Univ.*) 1947.
 ARTHUR BRODY, PH.B. (*Univ. of Chicago*) 1947.
 CHARLES MAURICE CAHN, JR., A.B. (*Dartmouth Coll.*) 1943.
 MORRIS JULES COFF, A.B. (*Univ. of Denver*) 1947.
 WALLACE EDGAR COWAN, S.B. (*New York Univ.*) 1947.
 THEODORE LAMONT CROSS, 2D, A.B. (*Amherst Coll.*) 1947.
 SAMUEL DASH, S.B. (*Temple Univ.*) 1947.

PHILIP JOHN DUNLAY, A.B. (*Cornell Univ.*) 1942.
 WILLIAM WYLY DUNN, A.B. 1946 (1947).
 RAY BURTON EDER, A.B. 1946 (1947).
 MARVIN FINKELSTEIN, A.B. 1947.
 ROBERT EMILE FRISCH, A.B. 1947.
 JOHN JOSEPH GIBBONS, S.B. (*Coll. of the Holy Cross*) 1947.
 JAY WILLIAM GLASMANN, M.B.A. 1947.
 DONALD ROSS GRANT, A.B. (*Amherst Coll.*) 1947.
 JOHN RUSSELL HAIRE, JR., A.B. (*Brown Univ.*) 1946.
 JERRY MERLE HAMOVIT, A.B. (*Rice Inst.*) 1947.
 CHARLES FREDERICK HARRINGTON, A.B. (*Univ. of Rochester*) 1947.
 JOHN STUART HOLTEN, A.B. (*Univ. of Minnesota*) 1947.
 JAMES MURRAY HOWE, 4TH, A.B. 1945 (1947).
 MCCHESENEY HILL JEFFRIES, A.B. (*Davidson Coll.*) 1947.
 RICHARD COREY JOHNSON, A.B. (*Dartmouth Coll.*) 1947.
 LESTER KATZ, A.B. 1947.
 CORNELIUS FRANCIS KEATING, JR., A.B. 1947.
 HENRY BRUCE KEISER, A.B. (*Univ. of Michigan*) 1947.
 GEORGE WILLIAM McGRATH, JR., A.B. (*Princeton Univ.*) 1943.
 DENNIS CURTIS MAHONEY, A.B. (*Williams Coll.*) 1947.
 IRVING MALCHMAN, A.B. 1946 (1947).
 DELBERT GLENN OFSTHUN, A.B. 1946 (1947).
 DONALD EDWARD PARADIS, S.B. (*Wesleyan Univ.*) 1943.
 FRANK GERALD PARKER, S.B. (*Univ. of New Mexico*) 1944.
 CHARLES RICHARD PEDERSEN, A.B. (*Montana State Univ.*) 1947.
 THOMAS MICHAEL QUINN, 3D, A.B. (*Coll. of the Holy Cross*) 1947.
 CHARLES HENRY RESNICK, A.B. 1948 (1947).
 JAMES THOMAS RHIND, A.B. (*Ohio State Univ.*) 1944.
 WILLIAM WAYNE RYMER, JR., S.B. IN CHEM. ENGIN. (*Univ. of Tennessee*) 1943.
 GEORGE WILLARD SCHMIDT, B.B.A. (*Univ. of Michigan*) 1947.
 CHARLES PHINEAS SCHWARTZ, JR., A.B. (*Univ. of Chicago*) 1945.
 ISAIAH FREDERICK SHOTKIN, S.B. (*Univ. of Pennsylvania*) 1947.
 JEROME LESTER SINDLER, A.B. 1946 (1950).
 CLINTON RANDOLPH STEVENSON, A.B. (*Ohio Wesleyan Univ.*) 1947.
 CHARLES SYDNOR THOMPSON, A.B. (*Syracuse Univ.*) 1947.
 MYRON STEPHEN WAKS, S.B. (*Bowdoin Coll.*) 1945.
 LAWRENCE IRA WEISMAN, A.B. 1948.

MAGNA CUM LAUDE

HORACE REED BALDWIN, A.B. (*Wesleyan Univ.*) 1947.
 MAXWELL EVARTS COX, A.B. 1945 (1947).
 WASHINGTON HILL DENISON, JR., S.B. (*Univ. of Tennessee*) 1943.
 ROBINSON OSCAR EVERETT, A.B. 1948 (1947).
 LEWIS COX GREEN, A.B. 1945 (1947).
 WARREN JOSEPH GREENE, A.B. 1946 (1947).

LUTHER LYONS HILL, A.B. (*Williams Coll.*) 1947.
 ROBERT ALEXANDER KAGAN, A.B. 1946 (1945).
 LAWRENCE WILLIAM KEEPNEWS.
 CARLISLE BARZEE LANE, A.B. (*Univ. of California at Berkeley*) 1947.
 LEON SAMUEL LIPSON, A.B. 1941, A.M. 1943.
 HANS FERDINAND LOESER.
 VINCENT LEE MCKUSICK, A.B. (*Bates Coll.*) 1943, S.B. (*Massachusetts Inst. of Technology*)
 1947, S.M. (*ibid.*) 1947.
 EDWARD ELIAS MURPHY, JR., A.B. (*Washington Univ. at St. Louis*) 1947.
 HARRY BROWNE REESE, A.B. (*Ohio State Univ.*) 1947.
 ANDREW JAMES SCHOEN, A.B. 1947.
 ALAN EARL SCHWARTZ, A.B. (*Univ. of Michigan*) 1947.
 DAVID SIMON, A.B. (*Cornell Univ.*) 1944.
 ARTHUR DAVID SPORN, A.B. 1947.
 JEROME THOMASES, S.B. (*City Coll. of the Coll. of the City of New York*) 1938, A.M. (*American Univ.*) 1941.
 DAVID WESTFALL, A.B. (*Univ. of Missouri*) 1947.
 DONALD ZIMMERMAN, S.B. (*City Coll. of the Coll. of the City of New York*) 1947.

AS OF THE YEAR 1949

GEORGE HUTCHINSON DUMMER, S.B. 1946.
 JOHN FELIX MINICUS, S.B. (*Fordham Univ.*) 1943.
 EDWARD ROBERT ROEMKE, A.B. (*Fordham Univ.*) 1942.

MASTERS OF LAWS

VICENTE ABAD SANTOS, LL.B. (*Univ. of the Philippines*) 1940, A.B. (*ibid.*) 1949.
 OWEN THOMAS ARMSTRONG, A.B. (*Univ. of Wisconsin*) 1947, LL.B. (*ibid.*) 1949.
 JOHN BISHOP BALLEM, B.A. (*Dalhousie Univ.*) 1946, M.P.A. (*ibid.*) 1948, LL.B. (*ibid.*) 1949.
 WARREN DOUGLAS BARTON, S.B. (*Agricultural and Mechanical Coll. of Texas*) 1939, LL.B. (*Univ. of Texas*) 1949.
 ROGER BENRUBI, LIC. EN DROIT (*Univ. of Paris*) 1948.
 WALTER JAMES BRISTOW, JR., A.B. (*Univ. of North Carolina*) 1947, LL.B. (*Univ. of South Carolina*) 1949.
 DONALD EDWIN BROWN, A.B. (*Detroit Inst. of Technology*) 1947, J.D. (*Detroit Coll. of Law*) 1949.
 MATEO ARMANDO TENGCO CAPARÁS, LL.B. (*Univ. of the Philippines*) 1949.
 WILLIAM ALPHEUS COOK, A.B. (*Univ. of South Carolina*) 1947, LL.B. (*ibid.*) 1949.
 BAYLES DABNEY FOX, A.B. (*Lincoln Univ., Pa.*) 1941, LL.B. (*Howard Univ.*) 1948.
 VENSEL ULRIK HAMMERSHAIMB, CAND. JUR. (*Copenhagen Univ.*) 1939.
 DAVID BURKES KULTGEN, B.B.A. (*Univ. of Texas*) 1943, LL.B. (*ibid.*) 1949.
 WILLIAM BURNS LAWLESS, JR., LL.B. (*Univ. of Notre Dame*) 1944, (*Univ. of Buffalo*) 1949.
 JAMES BRYCE MILNER, LL.B. (*Dalhousie Univ.*) 1939.

EDWARD LIVINGSTON MONTGOMERY, S.B. (*Univ. of Utah*) 1947, LL.B. (*ibid.*) 1949.
JAMES BISBEE MULDOON, S.B. (*Coll. of the Holy Cross*) 1945, LL.B. (*Georgetown Univ.*) 1949.
JOE LOU RANDLE, LL.B. (*Southern Methodist Univ.*) 1949.
JAMES SCHULTZ SAVAGE, LL.B. (*Valparaiso Univ.*) 1938, A.B. (*ibid.*) 1948.
CHARLES REAGAN SIMPSON, A.B. (*Univ. of Illinois*) 1944, J.D. (*ibid.*) 1945.
FRANK JAMES WHALEN, JR., A.B. (*Providence Coll.*) 1942, LL.B. (*Catholic Univ. of America*)
1949.

DOCTOR OF JURIDICAL SCIENCE

ROLLIN DALE VLIET, A.B. (*Univ. of Kansas*) 1934, LL.B. (*Univ. of Oklahoma*) 1938, LL.M.
(*Harvard Univ.*) 1946. *Special Field, Private Law. Thesis, "The Oklahoma Business Corporation Act."*

BACHELORS OF THEOLOGY

JOHN ROBERT BAKER, S.B. (*Univ. of Michigan*) 1943.
JOHN CUMMINS, A.B. (*Bowdoin Coll.*) 1947.
JOHN ALEXANDER FARMAKIS, A.B. (*Univ. of Pennsylvania*) 1944.
KENNETH KNOWLTON HARMS, A.B. (*Univ. of New Mexico*) 1947.
JOHN CLYDE KING, A.B. (*Boston Univ.*) 1942, A.M. (*ibid.*) 1943.
CHARLES MILTON MASSEY, JR., A.B. (*Mercer Univ.*) 1945.
IVAN LOCKARD NICKERSON, A.B. (*Wesleyan Univ.*) 1947.
RICHARD GRANT SECHRIST, A.B. (*Hamilton Coll.*) 1932.
HOLLEY MATTHEW SHEPHERD, A.B. (*Boston Univ.*) 1949.
JACK DANIEL ZOERHEIDE.

CUM LAUDE

CECIL LOYD FRANKLIN, A.B. (*Phillips Univ.*) 1947.

MASTERS OF THEOLOGY

WILLIAM EDWARD BROOKS, JR., A.B. (*Univ. of Kansas*) 1938, A.M. (*Boston Univ.*) 1941, B.D.
(*Colgate-Rochester Divinity School*) 1942.
RALPH ALONZO CURTIS, A.B. (*Asbury Coll.*) 1929, B.D. (*Asbury Theological Seminary*) 1931.
CHARLES CONRAD FORMAN, A.B. (*Tufts Coll.*) 1946, S.T.B. (*Harvard Univ.*) 1949.
BENJAMIN FRANKLIN LEWIS, A.B. (*Transylvania Coll.*) 1943, B.D. (*Coll. of the Bible*) 1946.
CHARLES LEE PENDLETON, A.B. (*Bates Coll.*) 1936, B.D. (*Chicago Theological Seminary*) 1942.
RICHARD GUELKER SMITH, A.B. (*Transylvania Coll.*) 1942, B.D. (*Coll. of the Bible*) 1945.
CHARLES JARVIS SPEEL, 2D, A.B. (*Brown Univ.*) 1939, S.T.B. (*Harvard Univ.*) 1949.

WILLIAM ALFRED TAYLOR, A.B. (*Marshall Coll.*) 1937, B.D. (*Crozer Theological Seminary*)
1940, A.M. (*New York Univ.*) 1947.
GEORGE EARL THOMAS, A.B. (*Dickinson Coll.*) 1939, B.D. (*Drew Theological Seminary*) 1942.

DOCTOR OF THEOLOGY

PETER HIROSHI IGARASHI, A.B. (*Colby Coll.*) 1944, B.D. (*Crozer Theological Seminary*) 1946.
Special Field, The New Testament. *Thesis*, "Motives in the Gospel of Mark."

Degrees Conferred March 13, 1950

BACHELORS OF ARTS

(NOTE: All are candidates as of the Class of 1950 unless otherwise indicated.)

- SAMUEL ADAMS.
PAUL BIGELOW AKIN (1944).
HENRY ALBERS.
WILLIAM AUGUSTUS ALLEN, 2D.
WILLIAM FREDERICK ALSOP, JR.
ROBERT NATHAN HALE ANDREWS.
JOSEPH WILLIAM ASHMAN.
RUDOLPH AUGARTEN (1949).
RICHMOND WOODS BACHELDER.
GROVER CLEVELAND BACON (1943).
RICHARD BRIGGS BAILEY (1948).
LOUIS WILLARD BAKER (1946).
ARTHUR WHITING BARBER.
JAMES JOHN BARNHILL (1948).
ROBERT LARFEUIL BARREL (1946).
STUART HALL BARTLE.
LORING EUGENE BATCHELDER.
FRANK ALLEN BEARD.
JOSEPH FRANCIS BECKER.
ANTHONY GEORGE BENINATI (1949).
PHILIP LEWIS BERKELEY.
MAURICE JULES BESSMAN (1949).
STEPHEN RANDALL BEST.
RICHARD BUEL BEZANSON.
JOHN HENRY BIERWIRTH, 3D.
ROGER BILLINGS, JR.
JOHN BISBEE.
GEORGE JAMES BLACK.
WILLIAM JOSEPH BONKOSKI.
PETER LEWIS BRETT.
JOHN BROCK (1948).
DANIEL SAMUEL BROUN.
WILFRED JACOBS BROWN, JR.
CHARLES BEVAN BRYANT.
WALTHER HEAD BUCHEN (1949).
YARDLEY DRAKE BUCKMAN (1949).
FREDERIC KEIL BULLARD, JR. (1946).
ARTHUR STUART BUNKER, JR. (1949).
SIDNEY MOSELEY BURWELL.
SALVATORE PETER BUSALACCHI (1949).
STEPHEN NOEL CADY (1948).
EDWARD ARTHUR CAMMACK.
RICHARD JOSEPH CARDAMONE (1948).
ROBERT JOSEPH CAREY (1947).
WILFRED VENANCE CASGRAIN, JR. (1949).
WILLIAM BOWEN CATER.
ALBERT JOSEPH JOHN CAVAGNARO (1948).
JOHN CELANI (1951).
RANJI CHANDISINGH.
HARRISON CLARK, JR. (1947).
WILLIAM FREDERICK CLARK (1948).
THOMAS LYON CLISBY (1949).
JOHN WHEELWRIGHT COBB (1949).
MARSHALL NELSON COHAN (1948).
CHARLES LEDDY COMERFORD.
GORDON GORDON COOGAN (1948).
DEXTER PARSHALL COOPER, JR. (1945).
GEORGE LORENZO COTTINGHAM, JR. (1949).
RICHARD MUNRO COUCH.
JAMES LAURENCE COWEN (1949).
JOHN RICHARD CRANE.
HAROLD ELMER CURRIER (1948).
WILLIAM LYNCH CURWEN.
SUMNER AARON DANE.
ROY ALMONDE DART (1949).
PETER DAVIS DIBBLE (1948).
WILLIAM WARREN DILLON (1948).
JAMES THOMAS DONALDSON (1949).
PAUL JOSEPH DOUGLASS.
FREDERIC WORRALL ECKER, JR. (1949).
STEARNS RUSSELL ELLIS, 2D (1948).
WILLIAM KEY BOND EMERSON, 3D.
FREDERICK LINCOLN EMERY.
ROBERT BROOKS ENNIS, JR. (1948).

ROBERT EBERLE FAST.
 WILLIAM WALLACE FEUER (1947).
 DAVID SMALL FITZGERALD (1948).
 RALPH ANDREW FLETCHER, JR.
 RICHARD WINSLOW FOSTER (1942).
 NORMAN FRANCIS FOUNTAIN (1949).
 WILLIAM FREDERICK FOX.
 WILLIAM EDDY FULLER, JR. (1944).
 CHARLES ROBERT GARDNER (1949).
 STANTON GARFIELD, JR. (1947).
 ALAN SULYARD GARON (1948).
 WILLIAM LAWRENCE GARRITY, JR.
 THEODORE MONTGOMERY GEMBERLING.
 DONALD ROBERT GILLIS.
 EDWARD HOLLIS GLEASON, 2D.
 WILLIAM GOLD (1949).
 JEREMY WEBSTER GORMAN (1949).
 JAMES THEOPHILE GOURZIS (1949).
 ROBERT MARION GRAY (1948).
 ROBERT EDWIN GRIFFITH, JR.
 CROSBY REDMAN GRINDLE.
 PETER MICHAEL GROSZ.
 JAMES FRANCIS HAM.
 DAVID COOMBS HAMBLETT.
 CLYDE JOSEPH HANSEN (1947).
 ROBERT EDWIN HARNEY.
 RICHARD EDWARD HARRINGTON (1947).
 RALPH EDGAR HARRIS.
 ALLEN CRAWFORD HAWKRIDGE.
 EDWIN PARKER HAYDEN, JR.
 SHERWOOD ORR HEATH.
 WILLIAM LAWRENCE HENRY.
 ROBERT GILMAN HOELZEL.
 DONALD HERBERT HOLLEY (1949).
 ROBERT GAY HOOKER, 3D.
 JOHN DAVENPORT HOPKINS (1948).
 AMORY HOUGHTON, JR.
 HOWARD EDWIN HOUSTON.
 JAMES STUART HOWARD (1949).
 PERRY HOLBROOK HOWARD.
 WILLIAM STEPHEN HOWARD.
 STEPHEN WELLINGTON HOWE.
 CRAWFORD COX HUBBELL (1949).
 MAITLAND TABB IJAMS (1948).
 ROBERT MAIN IMRAY.
 WHITNEY WAYLAND JACOBS (1949).
 HERLUF MATHIAS JENSEN (1949).
 AARON HIRSH JOHNSON (1948).
 NORBERT LAWRENCE KAMARCK.
 JOHN WILLIAM KANE (1946).
 THOMAS CARROLL KAUFFMAN (1949).
 ROBERT LONG KELLEY.
 ALBERT LENOIR KEY, 2D.
 ROBERT BRENT KEYSER (1948).
 CLIVE BEAUMONT KIMBALL (1949).
 HARRY CALDWELL KING (1949).
 JOHN RICHARD KING (1948).
 FREDERICK WILLIAM KINSMAN (1948).
 DONOLD MACAULAY KOSLOW.
 LEON KRAINTZ (1947).
 ROBERT HOCH KUBIE (1946).
 THOMAS LAMB, JR.
 GEORGE ARMSTRONG LEIPER, JR.
 EDWARD PATRICK LENAHAN.
 FREDERICK JOHN LEUCKEL (1949).
 DANIEL HAYDEN LE VAN, JR.
 EDWIN CLAPP LINCOLN, JR.
 WILLIAM DANIEL LINEHAN (1949).
 GEORGE GARDNER LORING.
 JAMES RUSSELL LOWELL, JR.
 ROBERT BRUCE LUKINGBEAL.
 ARCHIBALD GORDON MACARTHUR (1949).
 KEVIN RICHARD McCAFFREY (1949).
 GORDON JUSTUS MCKINLEY.
 HENRY ROBERT MADOFF (1946).
 ZALMAY MAHMUD (1948).
 ALAN RHYS MARTIN, JR. (1948).
 STEPHEN MEAD, 2D.
 PAUL EDMUND MERICLE.
 JOHN LEE MERRILL, JR.
 ADOLFO SANTOS MIDENCE.
 LAWRENCE NORMAN MILLER (1949).
 RICHARD ALDEN MINARD (1949).
 CHARLES GORDON MOOT (1947).
 CHARLES FRANCIS MORGAN.
 WILLIAM ALMY MORRISON.
 DAVID LOTHROP MOSSMAN.
 ISMET HUSSEIN MUDARRIS.
 RICHARD ADAM MUESSEL, JR.
 GEORGE FRANCIS MURPHY, JR. (1949).

CHARLES HENRY NEUMAN DE VÉGVÁR.
WELLINGTON AMES NEWCOMB (1946).
JAMES FRANCIS NOONAN.
RODGER PAYSON NORDBLOM.
DONALD McCORMICK NOSEK.
NATHANIEL OBER.
ROBERT GERARD O'BRIEN.
JOHN JOSEPH O'CONNOR (1947).
DAVID OHLER.
PAUL ARTHUR O'LEARY (1948).
HOWARD WAYNE OLIVER (1949).
ROBERT CRAIG ORAM.
EDWIN WALTER OZELIUS (1951).
HERMAN PAGE.
JOSEPH WYNNE PAGE.
VAHRAM PAHIGIAN (1948).
CHAUNCEY GOODRICH PARKER, 3D.
CLIFTON BARTLETT PARKER.
RICHARD SALTONSTALL PATTEE (1948).
CHARLES ROBERT PAUL (1931).
LEONARD MATTHEW PAUPLIS.
DOUGLASS CONKLIN PENNOYER (1946).
CHARLES BINGHAM BOIES PENROSE.
FRANK PETER PEROS (1948).
HENRY BRADLEE PERRY.
ROGER ADAMS PERRY, JR.
STANLEY JOSEPH POLAK.
MICHAEL SAINT ANTHONY POST (1949).
ROBERT CHARLES PREDMORE.
ARTHUR WOLCOTT PURCELL.
ELIOT LEE PUTNAM.
WILLIAM MANDELL RACKEMANN (1946).
CHARLES LOUIS RAFFI, JR. (1948).
CARLETON BURR RAND.
EDWIN BENJAMIN RANDALL, JR. (1946).
WALTER EDWIN REX, 3D (1948).
JOHN EMMONS RHODEBECK (1949).
PHILIP HARDY RHODES.
FREDERICK CABOT RICHARDSON (1948).
ROBERT WHITNEY RICHARDSON (1948).
JAMES HAMPDEN ROBB, JR. (1949).
PHILIP ARNOLD ROBERT.
THOMAS LEE ROBERTS.
CHARLES DAVID ROCHE, JR.
DOUGLAS ROLLINS (1946).

FREDERICK WILLIAM ROLOFF, JR. (1949).
HENRY JOHN ROMNEY (1946).
STEPHEN AUSTIN RUDDY, 3D (1949).
DONALD WEEKS RUSSELL (1948).
WILLIAM LAWRENCE SALTONSTALL (1949).
CURTIS LEE SAUNDERS, JR.
JOHN CLAUDE SAVOIR.
ALDO LUCIEN SCALZILLI.
GERARD DAVID SCHINE (1949).
ALFRED ALEXANDER SCHWARTZ, JR. (1948).
JOHN TUCKER SCOTT.
MICHAEL JOHN SCULLY (1948).
RICHARD ALLAN SEARLE (1948).
RICHARD DUDLEY SEARS, 3D.
DONALD BROWN SEAVER.
ROBERT WILLIAM SECOMBE.
GREGORY ALLAN SEYMOUR.
PAUL C SHAFER, JR.
WILLIAM MCNINCH SHARPLESS (1949).
CHARLES LIVINGSTON SHEDD (1951).
PRENTISS SHEPHERD, JR. (1949).
ROBERT GARDINER SHEPLEY (1949).
CHESTER FANNING SMITH.
WALTER FRANKLIN SMITH.
GORDON BROWN STENSRUD.
EUGENE JOSEPH STERETT.
FRANK ROBERT STRONG.
RALPH JOHN STRUZZIERO.
ROBERT DORSETT TAGGART.
JOSEPH JOHN THALHOFFER (1946).
ROBERT TOPP TIMS (1947).
DAVID JOHNSON TIRRELL (1949).
CLINTON BLAKE TOWNSEND, JR.
JOHN HOLLINGSWORTH TRESSLER, JR. (1948).
BRICE WILLIAMS TURNER (1949).
JOHN CHARLES TWOMEY, JR. (1949).
REINHOLD ADOLPH ULLRICH (1951).
FRANK RONALD VIAFORA.
GEORGE CONSTANTINE VOSS (1947).
ROGER SEWALL WALES.
JAMES AMORY SULLIVAN WALKER.
WILLARD BREWER WALKER (1949).
EDWARD DE WITT WALSH, JR.
SAM BASS WARNER, JR.
SAMUEL RIDEOUT WEBBER, JR. (1949).

DAVID BERNARD WEDEN, JR.
THOMAS LIVERMORE WELD.
FREDERICK FOX WILLIAMS, JR.
EARL BODEN WILSON, JR. (1949).

OLIVER SALANT WINTER (1947).
PHILIP IRWIN WOLF.
ROBERT DUFFIELD WRENN (1948).
LOUIS GEORGE ZACHARAKIS.

LOUIS JOHN ZETTLER, JR.

CUM LAUDE

FRED ABRAHAM ABODEELY, *Chemistry*.
WALTER ISIDORE ACKERMAN, *History*.
JAY COOKE MICHAEL ALLEN, *History* (1948).
FREDERIC AMORY, *English* (1949).
DAVID HEATH BARNHOUSE, *General Studies*
(1949).
SEYMOUR BERMAN, *General Studies* (1949).
JAMES HENDERSON BLAIR, *Architectural Sci-*
ences.
ROBERT JAMES BLINKEN, *General Studies*.
HENRY VICTOR BOHM, *General Studies*.
DONALD BERNARD BRICK, *Engineering Sciences*.
KINGSBURY BROWNE, JR., *General Studies*
(1944).
WILLIAM ROTCH BULLARD, JR., *Anthropology*
(1947).
ANDRE HENRY BURNER, *Engineering Sciences*.
JOHN NUNEZ CARDOZO, *Economics*.
HENRI ROBERT CHALOS, *General Studies*.
ROY WILLIAM CHESNUT, JR., *General Studies*.
JOSEPH CHIRA, *Government* (1949).
HARRIS MORAGNE CLAY, *General Studies*.
JOHN ALLERTON SILL CUSHMAN, *History and*
Literature (1949).
DWIGHT FREDERIC DAVIS, *Romance Languages*
and Literatures.
RONALD FERREE DICK, *Geological Sciences*.
LOUIS BENJAMIN DU PREE, *Anthropology*.
NORMAN CLIFFORD FARNLOF, *Sociology* (1943).
ALEXANDER SESSUMS CLEVELAND FULLER,
General Studies (1948).
JEROME PATRICK GAVIN, *English*.
ALFRED MINOR GOODLOE, JR., *History*.
ANDREW PERICLES GRAMMATICAS, *Biology*
(1948).
WILLIAM JOSEPH HEALEY, JR., *Economics*
(1949).

BRADFORD FITCH HERZOG, *Philosophy*.
MICHEL ANDREW HOSIER, *General Studies*
(1949).
JOHN SEDGWICK HOWLAND, 2D, *Government*.
ROBERT HENRY HUNTOON, *General Studies*.
DONALD JAMES IGO, *Economics* (1947).
DAVID HUMISTON KELLEY, *Anthropology*
(1949).
DAVID RICHARD KOMINZ, *Biochemical Sciences*
(1946).
GEORGE PHILIP KRAMER, *Economics*.
CHRISTOPHER FRANCIS LINDSEY, *History*.
RALPH EMIL LINDSTROM, *Government*.
THOMAS EDWARD LYNCH, JR., *Economics*
(1949).
CHARLES JOHN MCCLOUGHAN, JR., *Government*
(1948).
JUAN ULRICO MAEGLI, *Economics*.
ANDREW MARAVIGLIA, *Government* (1949).
JOSHUA MARKS, *General Studies*.
HARLAN C MEAL, *Chemistry*.
BURNHAM MOFFAT, *Engineering Sciences*.
RUDOLPH WILLIAM NEMSER, *English*.
THORPE NESBIT, JR., *General Studies* (1949).
PRICE NORMILE, *General Studies*.
JOHN PHILIP OLIN, *Government*.
FRANK ROMER PIERSON, *Social Relations*
(1946).
ROBERT GRAY POTTER, JR., *Social Relations*.
SIRIUS COOK PROESTOPOULOS, *Government*
(1951).
WILLIAM PERIN RANEY, *Physics*.
JOHN PEIRPONT RICE, JR., *Government*.
JOHN ALAN RIGGS, *History and Literature*.
WILLIAM PHILLIP RYDELL, *Slavic Languages*
and Literatures.

- HOWARD BRUNER SCHAFER, *History and Literature* (1949).
 HARRY LOUIS SCHULTZ, *Economics*.
 JEROME LESTER SINDLER, *General Studies* (1946).
 VITO FREDERICK SINISI, *Philosophy* (1949).
 LAWRENCE LEO STAHLBERGER, JR., *Slavic Languages and Literatures*.
 HILARY STRAUSS, *History*.
 JOSEPH FRANCIS TURLEY, *Economics*.
 JOSHUA MARION TWILLEY, *Government*.
 WILLIAM PHILLER WOOD, *Government* (1949).
 GEORGE KENNETH YATES, *Physics*.

MAGNA CUM LAUDE

- JAMES KEELEY BROWN, *Government*.
 RICHARD WELLMAN BROWN, *Physics*.
 JOSEPH WILLIAM GIBSON, *History* (1949).
 ROBERT GRANVILLE HARLOW, *Social Relations* (1949).
 DONALD HEYNEMAN, *Biology* (1946).
 ROBERT ERRANT KOHN, *Economics* (1949).
 HILTON JAMES LANDRY, *English*.
 KENNETH MELVIN GREGORY LEWAN, *Government*.
 WILLIAM LLOYD MACDONALD, JR., *History* (1949).
 CHARLES LAWRENCE MANDELSTAM, *Social Relations* (1949).
 WILLIAM CABOT MARTIN, *Anthropology* (1948).
 RICHARD DAVID MATTUCK, *Physics* (1949).
 WILBUR BROOKS QUAY, *Biology*.
 FRANCIS DENNIS SMITH, *Social Relations*.
 CHARLES HERBERT TILLY, *Social Relations*.

SUMMA CUM LAUDE

- VASILIOS GEORGE LETSOU, *Chemistry*.
 JAMES RODNEY SCHLESINGER, *Economics*.

BACHELORS OF SCIENCE

- FRANK JOHN CASTAGNET (1949).
 HARVEY VON EGGERS DOERING (1948).
 RICHARD HASTINGS DOYLE (1946).
 WESTON JOSEPH DURANT (1948).
 CLARK MORTON KEE, JR. (1946).
 MATTHEW ARNOLD KEENAN (1949).
 BOYD COLEMAN MAX (1949).
 CARL ALVIN OLSON (1948).
 MALCOLM HUGO VON SALTZA (1949).

ADJUNCT IN ARTS

- MORTON JEFFREY OLIN.

MASTERS OF ARTS

- EVERETT MERLE ADAMS, JR., A.B. (*Doane Coll.*) 1942.
 CHARLES FOWLER ADAMSON, A.B. 1945.
 ROBERT MOSS ALEXANDER, S.B. (*Oregon State Coll.*) 1942.
 ALBERT FRANCIS AX, S.B. (*Univ. of Washington*) 1940.
 DONALD HESTON BAIRD, S.B. (*Haverford Coll.*) 1943.
 SYLVAN SAUL BARNET, A.B. (*New York Univ.*) 1948.
 PAUL SIDNEY BARRABEE, A.B. 1933, M.B.A. 1935, S.M. (*Columbia Univ.*) 1941.

HARRY LIVINGSTONE BARRETT, A.B. (*Univ. of Rochester*) 1942.
 GLEN THOMAS BARTON, S.B. (*Univ. of Missouri*) 1933.
 HARRY WETHERALD BASEHART, STUD. (*Univ. of Chicago*) 1939-41, 1946-47.
 SAUL BASSINOV, A.B. (*Clark Univ.*) 1934, M.A. (*McGill Univ.*) 1935.
 THEODORE WISEMAN BEILER, S.B. (*Allegheny Coll.*) 1948.
 HOWARD CURTIS BENNETT, JR., A.B. 1942.
 MORTON BERMAN, A.B. (*Univ. of Illinois*) 1948.
 DAVID HILLS BLACK, A.B. 1949.
 ALEXANDER BLAIR, B.E.E. (*Georgia School of Technology*) 1947.
 SEYMOUR ROBERT BOLTEN, A.B. (*New York Univ.*) 1942.
 CLARENCE JOHN BOURRET, S.B. IN E.E. (*Univ. of Notre Dame*) 1948.
 AYERS BRINSER, A.B. 1931.
 THOMAS NICHOLAS BROWN, S.B. (*Boston Coll.*) 1949.
 WILLIAM HURST BRUBECK, A.B. (*St. John's Coll.*) 1948.
 GEORGE COCHRANE BRYAN, A.B. (*Williams Coll.*) 1942.
 ALFRED GRAY BURR, A.B. 1943.
 RICHARD SUMNER BURWEN, S.B. 1948 (1949).
 HERBERT SIDNEY CARON, S.B. (*Coll. of the City of New York*) 1943.
 ARNOLD KINNEY CHILDS, A.B. (*Dartmouth Coll.*) 1939, A.M. (*Ohio State Univ.*) 1947.
 EDWARD VINCENT CHMIELEWSKI, A.B. (*Union Coll.*) 1948.
 GEOFFREY H CLIVE, A.B. (*Colgate Univ.*) 1948.
 KENNETH JORDAN COFFIELD, A.B. 1948.
 ALFRED HASKELL CONRAD, A.B. 1945 (1947).
 GEORGE COSTAS CONSTANTINIDES, A.B. (*Ohio State Univ.*) 1947.
 DAVID LEE DE HARPORT, A.B. (*Univ. of Denver*) 1943, A.M. (*ibid.*) 1945.
 GERHARDUS PETRUS CHRISTIAAN DE KOCK, B.A. (*Univ. of Pretoria*) 1946, M.A. (*ibid.*) 1947.
 JOHN LANGSTON DENNIS, A.B. (*Howard Univ.*) 1942.
 SELDEN JEROME DICKINSON, A.B. 1948.
 HENRI DORRA, B.S.C. (*Univ. of London*) 1944.
 EDWARD CLARE DUNN, S.B. (*U. S. Military Academy*) 1936.
 JOHN LEONARD ECKER, A.B. (*Pennsylvania State Coll.*) 1947.
 WARD DENNIS EDWARDS, A.B. (*Swarthmore Coll.*) 1947.
 FRANCIS ALAN EHMANN, A.B. (*Univ. of Texas*) 1948.
 GERT EHRLICH, A.B. (*Columbia Univ.*) 1948.
 JAMES VANCE ELLIOTT, S.B. (*Boston Univ.*) 1943, A.M. (*ibid.*) 1947.
 PETER GEORGE ESTIN, A.B. (*Dartmouth Coll.*) 1946.
 RENATO ETTORRE, DIPLOM INGENIEUR-CHEMIKER (*Eidgenössische Technische Hochschule*) 1948.
 JOHN TEMPLAR EVANS, A.B. (*Yale Univ.*) 1937, S.M. (*Brown Univ.*) 1940.
 JOHN PHILIP FEIL, A.B. (*Haverford Coll.*) 1947.
 SIEGLE HALL FLEISHER, A.B. (*Univ. of Iowa*) 1938.
 HUGH GUTHRIE FLYNN, A.B. (*Ohio State Univ.*) 1939, S.M. (*Rensselaer Polytechnic Inst.*) 1946.
 HARRISON WALDO FULLER, S.B. (*Worcester Polytechnic Inst.*) 1946.
 ERNEST PETER GEIDUSCHEK, A.B. (*Columbia Univ.*) 1948.
 HOMER KENT GEIGER, A.B. (*Princeton Univ.*) 1947.

- JACOB WARREN GETZELS, A.B. (*Brooklyn Coll.*) 1935, A.M. (*Columbia Univ.*) 1946.
 JOHN GERALD GODAIRE, S.B. (*St. Louis Univ.*) 1943.
 GEORGE WILLIAM GREEN, A.B. (*Coll. of the Holy Cross*) 1948.
 JOHN WILLIAM HANNAFORD, A.B. (*Wabash Coll.*) 1947.
 ROBERT STEVENS HARPER, A.B. (*Univ. of Oklahoma*) 1943, S.M. (*ibid.*) 1943.
 JOHN MORRISON HARRER, A.B. (*Haverford Coll.*) 1947.
 WILLIAM EDWARD HAVILAND, B.A. (*McMaster Univ.*) 1945, M.A. (*Univ. of Toronto*) 1946.
 GEORGE ARMSTRONG HEISE, A.B. (*Swarthmore Coll.*) 1944.
 JOSEF EDWARD HERZ, DIPLOM INGENIEUR-CHEMIKER (*Eidgenössische Technische Hochschule*)
 1947.
 RENZE LYLE HOEKSEMA, A.B. (*Hope Coll.*) 1948.
 JOSEF ANTON HOFMANN, A.B. 1947 (1948).
 JAMES BUCHANAN IMHOFF HOLDERBAUM, 2D, A.B. 1942.
 LAURENCE BEDWELL HOLLAND, A.B. (*Princeton Univ.*) 1942.
 BEAL BAKER HYDE, A.B. 1948.
 RICHARD LEE INGRAHAM, S.B. 1945 (1947).
 STANLEY MARTIN JACKS, A.B. 1943, LL.B. (*Northeastern Univ.*) 1946.
 NORMAN GABRIEL JACOBS, S.B. (*Coll. of the City of New York*) 1943.
 ELI KAMINSKY, A.B. 1947 (1948).
 ALAN FRANCIS KAY, S.B. (*Massachusetts Inst. of Technology*) 1948.
 ARNOLD MARTINIUS KENSETH, A.B. (*Bates Coll.*) 1937, S.T.B. (*Harvard Univ.*) 1944.
 EMMANUEL AVEDIS KEUKDJIAN, LIC. EN DROIT (*Univ. of St. Joseph*) 1946, DIPLÔME D'ÉTUDES
 SUPÉRIEURES D'ÉCONOMIE POLITIQUE (*ibid.*) 1947.
 NATHANIEL REMINGTON KIDDER, A.B. 1942.
 RICHARD GORDON KING, A.B. (*Williams Coll.*) 1943.
 JAMES EDWARD KNOTT, JR., A.B. (*Univ. of California*) 1948.
 SAUL KRAVETZ, A.B. 1948 (1949).
 EZRA SIMON KRENDEL, A.B. (*Brooklyn Coll.*) 1945, S.M. (*Massachusetts Inst. of Technology*)
 1947.
 IRA KUKIN, S.B. (*Coll. of the City of New York*) 1945.
 CHESTER LEE LAMBERTSON, B.A. (*Univ. of Alberta*) 1936, M.A. (*ibid.*) 1941.
 JEROME MELVIN LAVINE, A.B. 1948.
 MURRAY LEON LERNER, A.B. 1948.
 FREDERICK WILLIAM LOCKE, A.B. 1948.
 JOSEPH PRENTICE LORD, A.B. (*Bucknell Univ.*) 1937.
 ROGER MILES LYDON, A.B. (*Univ. of Southern California*) 1949.
 KENNETH SCHUYLER LYNN, 2D, A.B. 1945 (1947).
 JOSEPH PERRY MCKENNA, S.B. 1944 (1946).
 JOHN PHILIP McMORROW, A.B. 1947 (1948).
 ELEUTHERIOS THEOPHANES MANOS, S.B. (*Allegheny Coll.*) 1948.
 ALBRO MARTIN, A.B. (*George Washington Univ.*) 1948.
 BRADFORD GAREY MARTIN, A.B. 1947 (1949).
 CURTIS WILSON MARTIN, A.B. (*Univ. of New Mexico*) 1938, A.M. (*ibid.*) 1940.
 JERROLD MEINWALD, PH.B. (*Univ. of Chicago*) 1947, S.B. (*ibid.*) 1948.
 PAUL CARRINGTON MILLER, A.B. (*Tufts Coll.*) 1944.

- SIDNEY MODELL, A.B. (*Northeastern Univ.*) 1948.
 LEON NATHAN MOSES, A.B. (*Ohio State Univ.*) 1946.
 JAMES MALCOLM MOULTON, S.B. (*Univ. of Massachusetts*) 1947.
 CHRISTY CONSTANTINE MOUSTAKIS, A.B. (*Bowdoin Coll.*) 1933.
 JOHN HEBER MURRAY, A.B. 1941 (1947).
 WAYLAND EVAN NOLAND, A.B. (*Univ. of Wisconsin*) 1948.
 THOMAS JOSEPH O'TOOLE, A.B. 1942 (1941), LL.B. 1944 (1947).
 ANTONIN RADIM PALECEK, INGENIEUR (*Czech Polytechnical Univ. at Prague*) 1932.
 GUY JEAN PAUKER, LIC. IN PHILOSOPHY AND LETTERS (*Univ. of Bucharest*) 1938, LIC. IN JUR. SCI. (*ibid.*) 1939, DR. IN POL. AND ECON. SCI. (*ibid.*) 1946.
 LEONID SERGE POLEVOY, A.B. 1945 (1948).
 JOHANNES PETER PRINS, A.B. (*Bowdoin Coll.*) 1948.
 CECILIO QUIRÓS, BACHILLER EN CIENCIAS COMERCIALES (*Universidad Nacional del Litoral*) 1927.
 WILLIAM HUBBS REHNQUIST, A.B. (*Stanford Univ.*) 1948, A.M. (*ibid.*) 1948.
 ROBERT JUNE RICHMAN, STUD. (*Univ. of Chicago*) 1941-43, 1946-48.
 JOSEPH MILTON RIDGES, A.B. (*Univ. of Utah*) 1934.
 THEODORE JOSEPH RIVLIN, A.B. (*Brooklyn Coll.*) 1948.
 FRANK ROHR, JR., S.B. 1947 (1948).
 WILLIAM EDWARD ROSEN, A.B. (*New York Univ.*) 1948.
 JOHN THOMAS RUNDQUIST, S.B. (*Queens Coll.*) 1948.
 ALBERT EDWARD SANDERSON, 3D, A.B. 1949.
 JOSEPH SCHACHTER, A.B. (*Dartmouth Coll.*) 1946.
 EDMOND LOUIS SCHMIDT, S.B. 1942 (1946).
 ANDREW MACKAY SCOTT, A.B. (*Dartmouth Coll.*) 1946, M.P.A. (*Harvard Univ.*) 1948.
 ALI NIYAL SEDEN, GR. (*Istanbul Univ.*) 1945.
 LEIGHTON SHIELDS, JR., A.B. (*Bates Coll.*) 1948.
 SIDNEY SIMON, B.F.A. (*Carnegie Inst. of Technology*) 1947.
 ALLAN PAUL SINDLER, A.B. 1948.
 GURBAKHSH SINGH, B.SC. (*Punjab Univ.*) 1942, M.SC. (*ibid.*) 1943.
 WILLIAM ALLEN SLEEPER, JR., A.B. (*Columbia Univ.*) 1942, MUS.B. (*Yale Univ.*) 1948.
 GEORGE WILLIAM SMITH, JR., A.B. (*Williams Coll.*) 1948.
 GEORGE ROBERT STANGE, S.B. 1941.
 CHARLES JOHNSON STANLEY, A.B. (*Marietta Coll.*) 1936.
 HOWARD WARNER STARKWEATHER, JR., A.B. (*Haverford Coll.*) 1948.
 RICHARD GUSTAVE STERN, A.B. (*Univ. of North Carolina*) 1947.
 ALDEN PARKHURST STICKNEY, S.B. (*Rhode Island State Coll.*) 1948.
 ROBERT STRASSBURG, MUS.B. (*New England Conservatory of Music*) 1939.
 DANIEL KEMP STUCKEY, 2D, A.B. (*Princeton Univ.*) 1942.
 WILLIAM ROBERT TAYLOR, A.B. 1943.
 DANIEL CALBERT THOMPSON, A.B. (*Clark Coll.*) 1941, B.D. (*Gammon Theological Seminary*) 1944, A.M. (*Atlanta Univ.*) 1944.
 RAYMOND HARRIS THOMPSON, S.B. (*Tufts Coll.*) 1947.
 EVAN HOPKINS TURNER, A.B. 1949.
 WILLIAM GEORGE VAN DER KLOOT, S.B. 1948.
 RONALD EDWARD VANELLI, A.B. 1941.

AMIEL PHILIPPE VAN TESLAAR, A.B. 1945 (1948).
DONALD GEORGE VORHIS, A.B. (*Ohio Wesleyan Univ.*) 1947.
SANFORD DANA WEINERT, S.B. (*Boston Coll.*) 1948.
STANISLAW HENRYK WELLISZ, S.B. 1947 (1946).
HUNG-SEN WU, A.B. (*Syracuse Univ.*) 1945.
WILLIAM PHILLIPS YOUNG, A.B. 1940, LL.B. 1948.
NEAL ZIERLER, A.B. (*Johns Hopkins Univ.*) 1946.

MASTERS OF ARTS IN TEACHING

CHARLES THOMAS ABRAHAM, A.B. 1949.
ELIZABETH ANDERSON, A.B. (*Swarthmore Coll.*) 1947.
CARMINE JOSEPH AUCELLA, A.B. (*Yale Univ.*) 1945.
WILLIAM OSCAR BATTS, JR., A.B. (*Vanderbilt Univ.*) 1941.
HERBERT BERGER, A.B. (*Yeshiva Univ.*) 1946.
STANLEY WILLIAM CAYWOOD, JR., A.B. 1948.
VINCENT HAROLD GANNON, S.B. IN ED. (*Boston Univ.*) 1948.
BARBARA ANN HUMPHREYS, A.B. (*Coll. of New Rochelle*) 1948.
JANET JACOBS, A.B. (*Oberlin Coll.*) 1944.
HELEN ELIZABETH LEWIS, A.B. (*Oberlin Coll.*) 1948.
AUDREY MACLEOD, A.B. (*Wheaton Coll.*) 1948.
ALBERT JOSEPH MOYLAN, A.B. 1936.
PAUL LANDON RAWSON, A.B. (*George Peabody Coll. for Teachers*) 1948.
MARY ELIZABETH SHAY, A.B. (*Regis Coll.*) 1941.
EDRIC BROOKS SMITH, JR., A.B. 1939.
MARION IMELDA WHALEN, B.E. (*Boston Teachers Coll.*) 1925.

MASTERS IN FORESTRY

EARL EMMETT SMITH, JR., S.B. (*West Virginia Univ.*) 1948.
BENJAMIN BOREMAN STOUT, S.B. (*West Virginia Univ.*) 1947.

MASTERS OF SCIENCE

FRED MYRON BARR, S.B. IN E.E. (*Northeastern Univ.*) 1948.
ERNEST WALTER BIVANS, S.B. IN E.E. (*Georgia School of Technology*) 1943.
HENRY ROY CHOPE, JR., B.E.E. (*Ohio State Univ.*) 1948, S.M. (*California Inst. of Technology*)
1948.
CLAUDIO ENRIQUE LUIS PABLO DECHAMPS, S.B. 1948 (1947).
HENRI DORRA, B.SC. (*Univ. of London*) 1944.
CLIFFORD JOSEPH DOWNER, A.B. 1946 (1949).
DONALD EUGENE DUFFORD, B. AERO. ENGIN. (*Georgia School of Technology*) 1946.
HENRY JULIUS EGEN, JR., B.M.E. (*Cooper Union*) 1948.
ALEX FURSA, S.B. (*Pennsylvania State Coll.*) 1948.
ALLEN SIDNEY GINSBURGH, B. MECH. ENGIN. (*Cornell Univ.*) 1946.

THEODORE ROBERTS GULLICKSEN, S.B. 1946 (1945).
 JAMES CALVIN HATHAWAY, B.E.E. (*Univ. of Minnesota*) 1946.
 RICHARD ARON JOHNSON, A.B. (*Dartmouth Coll.*) 1948.
 SAMUEL ALEXANDER JORDAN, JR., B.E.E. (*Univ. of Florida*) 1948.
 NEWTON HALLETT KETCHAM, S.B. (*Univ. of Michigan*) 1939.
 AUGUST STONE KLEIN, A.B. (*Williams Coll.*) 1948.
 ALBERT VINCENT LAZUK, S.B. IN E.E. (*Northeastern Univ.*) 1948.
 FRANK EMIL LENHERR, A.B. 1948.
 CINNA LOMNITZ, C.E. (*Univ. de Chile*) 1948.
 JOHNSON YANG-SENG LUH, B.S.C. (*La Universitato Utopia*) 1947.
 ROBERT WEIS MERRIAM, S.B. 1945 (1949).
 ERNEST HUGH METZGER, B.E.E. (*Coll. of the City of New York*) 1949.
 ARTHUR MONSEY, S.B. (*Univ. of Utah*) 1948.
 GILBERT HSIAOPIN OWYANG, B.S.C. (*La Universitato Utopia*) 1944.
 WILLIAM GEORGE PLISKIN, JR., S.B. IN MECH. ENGIN. (*Northeastern Univ.*) 1947.
 ABDUL-JABBAR SULAIMAN RAMMO, S.B. (*Northeastern Univ.*) 1939, A.M. (*Boston Univ.*) 1948.
 JORGE RAUL SEQUEIRA, S.B. IN C.E. (*Tufts Coll.*) 1948.
 SHINJI SONEDA, S.B. (*Rose Polytechnic Inst.*) 1949.
 SHAO LEE SOO, B.S.C. IN MECH. ENGIN (*Chiao Tung Univ.*) 1945, S.M. (*Georgia School of Technology*) 1949.
 RENO SUVARNSIT, S.B. (*Swarthmore Coll.*) 1947.
 TSU-LIEH TOU, B.S.C. IN E.E. (*Chiao Tung Univ.*) 1947.
 DALE OSCAR WILEY, JR., S.B. IN MECH. ENGIN. (*West Virginia Univ.*) 1949.

MASTERS OF ENGINEERING

RALPH STRONG ARCHIBALD, S.B. IN C.E. (*Tufts Coll.*) 1945, S.M. (*Harvard Univ.*) 1947.
 ABRAHAM FLATAU, S.B. IN AERO. ENGIN. (*Purdue Univ.*) 1947, M. AERO. ENGIN. (*New York Univ.*) 1948.
 RAMACHANDRA MADHAO KANETKAR, GR. (*Benares Hindu Univ.*) 1946, S.M. (*Harvard Univ.*) 1948.
 RAGHUNATH PARASHURAM LIMAYE, B.E.E. (*Univ. of Bombay*) 1946, S.M. (*Harvard Univ.*) 1948.
 NARENDRA DEO MISHRA, B.S.C. (*Benares Hindu Univ.*) 1943, S.M. (*Harvard Univ.*) 1948.
 YEN KWEI PIEN, B.S.C. IN MECH. ENGIN. (*Chiao Tung Univ.*) 1942, S.M. (*Harvard Univ.*) 1947.

MASTER OF ENGINEERING SCIENCE

MURRAY DAVID ROSENBERG, A.B. 1946 (1947), A.M. 1948.

DOCTORS OF PHILOSOPHY

DAVID ALBERT ALHADEFF, A.B. (*Univ. of Washington*) 1944, A.M. (*Harvard Univ.*) 1948.
Subject, Economics. *Special Field*, Business Organization and Control. *Thesis*, "The Market Structure of Commercial Banking in the United States."
 DAVID LEONARD ANDERSON, S.B. 1941, A.M. 1947. *Subject*, Physics. *Special Field*, Nuclear Physics. *Thesis*, "Some Radioactive Xenon Isotopes."

- CARL FRANKLIN ANDRY, A.B. (*Butler Univ.*) 1941, A.M. (*ibid.*) 1942, B.D. (*ibid.*) 1944. *Subject*, History and Philosophy of Religion. *Special Field*, Anti-Judaism in Second-century Christian Literature. *Thesis*, "Introduction to the Epistle of Barnabas."
- ALFRED ROBERT BADER, B.S.C. (*Queen's Univ.*) 1945, B.A. (*ibid.*) 1946, M.S.C. (*ibid.*) 1947, A.M. (*Harvard Univ.*) 1949. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Novel Reactions of Naphthoquinones."
- SOLOM LOVETT BARRACLOUGH, S.B. (*Univ. of New Hampshire*) 1944, A.M. (*Harvard Univ.*) 1949. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Forest Land Ownership in New England with special reference to Forest Holdings of Less Than Five Thousand Acres."
- ALDO SISTO BERNARDO, A.B. (*Brown Univ.*) 1942, A.M. (*ibid.*) 1947. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "Artistic Procedures Followed by Petrarch in Making the Collection of the *Familiars*."
- RICHARD BERSOHN, S.B. (*Massachusetts Inst. of Technology*) 1944, A.M. (*Harvard Univ.*) 1947. *Subject*, Chemical Physics. *Special Field*, Quantum Mechanics. *Thesis*, "Hyperfine Structure in Molecules and a Note on Magnetic Properties of Potassium Ferricyanide."
- RUSSELL WARREN BIERMAN, S.B. (*Univ. of Nebraska*) 1939, M.P.A. (*Harvard Univ.*) 1946, A.M. (*ibid.*) 1947. *Subject*, Economics. *Special Field*, Agricultural Economics. *Thesis*, "Agriculture in the Fifth Federal Reserve District: a Program for Readjustment."
- WARREN JOSEPH BILKEY, S.B. (*Univ. of Wisconsin*) 1941, A.M. (*Harvard Univ.*) 1948. *Subject*, Economics. *Special Field*, Consumption, Distribution, and Prices. *Thesis*, "An Analysis of Consumer Expenditure Behavior."
- ROBERT LYLE BISHOP, A.B. 1937, A.M. 1942. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "The Mechanization of the Glass-Container Industry: a Study in the Economics of Technological Change."
- ROBERT BRUCE BLACK, S.B. 1942, M.P.A. 1947, A.M. 1948. *Subject*, Political Economy and Government. *Special Field*, Public Planning Process. *Thesis*, "Brave New Britain: the British Town and Country Planning System."
- PETER MUSCHAMP BOYD-BOWMAN, B.A. (*Univ. of Toronto*) 1944, M.A. (*ibid.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "A Linguistic Study of the Spanish of Guanajuato, Mexico."
- GERARD MARION BRANNON, A.B. (*Georgetown Univ.*) 1943, A.M. (*ibid.*) 1944, M.P.A. (*Harvard Univ.*) 1946. *Subject*, Economics. *Special Field*, Money and Banking. *Thesis*, "The Problem of National Income Prediction Errors in Full Employment Policy."
- LEWIS McADORY BRANSCOMB, A.B. (*Duke Univ.*) 1945, A.M. (*Harvard Univ.*) 1947. *Subject*, Physics. *Special Field*, Atomic Physics. *Thesis*, "Anomalous Rotation of Molecules with Applications to the Temperature of the Upper Atmosphere and a Note on Maximizing the Ratio of 'Signal to Noise' in Spectrophotometry of Weak Light Sources."
- RICHARD MAURICE BROWN, A.B. 1945 (1944), A.M. 1947. *Subject*, Physics. *Special Field*, Radio Frequency Spectroscopy. *Thesis*, "The Nuclear Magnetic Resonance in Weak Fields."
- JAMES MAURICE STOCKFORD CARELESS, B.A. (*Univ. of Toronto*) 1940, A.M. (*Harvard Univ.*) 1941. *Subject*, History. *Special Field*, Modern English History. *Thesis*, "George Brown and the *Toronto Globe*, 1850-1867: a Study in Opinion."

- HOLLIS BURNLEY CHENERY, S.B. (*Univ. of Arizona*) 1939, S.B. (*Univ. of Oklahoma*) 1942, S.M. (*California Inst. of Technology*) 1943, A.M. (*Univ. of Virginia*) 1947. *Subject*, Economics. *Special Field*, Industrial Organization. *Thesis*, "Engineering Bases of Economic Analysis."
- KAO-LIANG CHOW, B.A. (*Yenching Univ.*) 1943. *Subject*, Psychology. *Special Field*, Physiological Psychology. *Thesis*, "Effects of Partial Extirpations of Posterior Association Cortex on Visually Mediated Behavior in Monkeys."
- STEPHEN EDMUND CLABAUGH, S.B. (*Univ. of Texas*) 1940, A.M. (*ibid.*) 1941. *Subject*, Geology. *Special Field*, Petrology. *Thesis*, "Corundum Deposits of Montana."
- FREDERICK EUGENE CLARK, A.B. (*Swarthmore Coll.*) 1939, A.M. (*Harvard Univ.*) 1942. *Subject*, Economics. *Special Field*, Public Finance. *Thesis*, "The Federal Income Tax Treatment of Farmer Cooperatives."
- JAMES EDWARD CONNOR, JR., A.B. 1945 (1944), A.M. 1948. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "A Kinetic Study of Some Cyclic Ketones."
- JOHN DANIEL COTMAN, JR., A.B. 1943, A.M. 1947. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Mechanisms of Peroxide Decompositions."
- DAVID COWDEN, A.B. (*Swarthmore Coll.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Structure of Dickens's Novels."
- ROBERT KELLOGG CRANE, S.B. (*Washington Coll.*) 1942. *Subject*, Medical Sciences. *Special Field*, Biological Chemistry. *Thesis*, "Studies on the Incorporation of Radioactive (C^{14}) Carbon Dioxide into Organic Linkage by Animal Tissues with special reference to Mammalian Retina."
- WALTER LITTLEFIELD CREESE, A.B. (*Brown Univ.*) 1941, A.M. (*Harvard Univ.*) 1944. *Subject*, History and Principles of the Fine Arts. *Special Field*, Modern Art. *Thesis*, "American Architecture from 1918 to 1933 with special emphasis on European Influence."
- WALTER FRANCIS CRONIN, A.B. (*Hamilton Coll.*) 1938, A.M. (*Fletcher School of Law and Diplomacy*) 1939. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "Some Basic Concepts of Inter-American Organization."
- HERBERT ARTHUR CROSMAN, A.B. 1938, A.M. 1938, A.M. 1944. *Subject*, History. *Special Field*, Latin American History. *Thesis*, "The Early Career of José Ives Limantour, 1854-1886."
- WILLIAM GUNN CROSS, B.A. (*Univ. of Toronto*) 1943, M.A. (*ibid.*) 1946, A.M. (*Harvard Univ.*) 1949. *Subject*, Physics. *Special Field*, Experimental Nuclear Physics. *Thesis*, "The Conservation of Energy and Momentum in Compton Scattering."
- ROBERT HATCHER DALTON, A.B. (*Duke Univ.*) 1934, B.D. (*Hartford Theological Seminary*) 1937, A.M. (*Trinity Coll.*) 1938. *Subject*, Education. *Special Field*, Educational Psychology. *Thesis*, "Criteria for Longitudinal Studies of Socialization."
- PHILIP DAVIS, S.B. 1943, A.M. 1947. *Subject*, Mathematics. *Special Field*, Analysis. *Thesis*, "Uniqueness Classes for Sets of Linear Functionals."
- RICHARD WARD DAY, A.B. (*Yale Univ.*) 1938, A.M. (*Harvard Univ.*) 1940. *Subject*, History. *Special Field*, American History. *Thesis*, "Henry Franklin Cutler, New England Schoolmaster."

- EDWARD CLIFTON DEVEREUX, JR., A.B. 1934, A.M. 1939. *Subject*, Sociology. *Special Field*, Social Pathology. *Thesis*, "Gambling and the Social Structure: a Sociological Study of Lotteries and Horse Racing in Contemporary America."
- ARCHIE THOMPSON DOTSON, A.B. (*Transylvania Coll.*) 1941, A.M. (*Harvard Univ.*) 1947. *Subject*, Political Science. *Special Field*, Municipal Government. *Thesis*, "A City's Revenue System: an Analysis and a Proposal."
- LESTER ELLIOT EDMOND, B.B.A. (*Coll. of the City of New York*) 1943, M.P.A. (*Harvard Univ.*) 1948, A.M. (*ibid.*) 1949. *Subject*, Economics. *Special Field*, Industrial Organization and Control. *Thesis*, "Market Dominance in the Shoe Machinery Industry."
- ABDEL MONEIM AHMED MOHAMED EL-BANNA, B.COM. (*Fouad I Univ.*) 1941, A.M. (*Harvard Univ.*) 1949. *Subject*, Economics. *Special Field*, Money and Banking. *Thesis*, "Neutralizing Money."
- GEORGE HATHAWAY ELLIS, A.B. (*Univ. of Maine*) 1941, A.M. (*Harvard Univ.*) 1948. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "Postwar Industrial Location in New England."
- GORDON GOODWIN EVANS, A.B. (*Princeton Univ.*) 1942. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "The Structure of Alkyl-Substituted Pyrrolines."
- JOHN MORTON FEIN, A.B. 1945 (1944), A.M. 1944. *Subject*, Philology. *Special Field*, Romance Philology. *Thesis*, "Eugénio de Castro and the Development of Cosmopolitanism in Hispanic Poetry."
- JOHN HALE GARDNER, S.B. (*Utah State Agricultural Coll.*) 1943, A.M. (*Harvard Univ.*) 1947. *Subject*, Physics. *Special Field*, Experimental Physics. *Thesis*, "A Precise Measurement of the Proton Magnetic Moment in Bohr Magnetons."
- MAYER BEAR GOREN, A.B. (*Rice Inst.*) 1942, A.M. (*ibid.*) 1943. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, I. "Isoprenetricarboxylic Acid." II. "Thermochromism: Steric Considerations."
- WAYLAND COLEMAN GRIFFITH, A.B. 1946 (1945), S.M. 1946. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Fluid Mechanics. *Thesis*, "Relaxation Times for Exchange of Vibrational Energy in Molecules."
- VINCENT PERRY GUINN, A.B. (*Univ. of Southern California*) 1939, S.M. (*ibid.*) 1942. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "A New Method for the Measurement of the Rates of Fast Gas Reactions. I. Association Reactions Forming a Coordinate Bond."
- JOHN WHITNEY HALL, A.B. (*Amherst Coll.*) 1939. *Subject*, Far Eastern Languages. *Special Field*, Japanese History. *Thesis*, "Modern Trends in Tokugawa Japan: the Life and Policies of Tanuma Okitsugu."
- SALAH EL-DIN HAMID, B.S.C. (*Fouad I Univ.*) 1944. *Subject*, Astronomy. *Special Field*, Celestial Mechanics. *Thesis*, "The Formation and Evolution of the Perseid Meteor Stream."
- DONALD MUNRO HENDERSON, A.B. (*Brown Univ.*) 1943, A.M. (*Harvard Univ.*) 1946. *Subject*, Geology. *Special Field*, Petrology. *Thesis*, "Geology and Petrology of the Eastern Part of the Crawford Notch Quadrangle, New Hampshire."

- HOWARD SCOTT HIBBETT, JR., A.B. 1944 (1947). *Subject*, Far Eastern Languages. *Special Field*, Japanese Literature. *Thesis*, "Ejima Kiseki and the Hachimonjiya: a Study in Eighteenth-century Japanese Fiction."
- WILLIAM PRESCOTT HOLDEN, A.B. (*Williams Coll.*) 1934, A.M. (*Harvard Univ.*) 1941. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Religious Controversy and Anti-Puritan Satire, 1572-1642."
- HSIUNG HSU, B.E. (*National Wu-Han Univ.*) 1941, S.M. (*Harvard Univ.*) 1946. *Subject*, Engineering Sciences and Applied Physics. *Special Field*, Vacuum Tubes and Electronics. *Thesis*, "Determination of the Effect of Secondary Emission in Power Tubes."
- HOWARD LOUIS JAMISON, A.B. (*Hamilton Coll.*) 1945, A.M. (*Harvard Univ.*) 1947. *Subject*, Political Science. *Special Field*, Political Thought and Institutions. *Thesis*, "The Methodology of Scientific Social Practice: J. S. Mill and John Dewey."
- EDWIN WALLACE JOHNSON, S.B. 1945 (1944), A.M. 1948. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "Studies of the Molecular States of Carboxylic Acid Vapors."
- HENRY WEBB JOHNSTONE, JR., S.B. (*Haverford Coll.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Philosophy. *Special Field*, Epistemology. *Thesis*, "A Grammar of the Sense-Datum Language."
- GEORGE WARREN KENNERLY, S.B. 1944 (1943), A.M. 1947. *Subject*, Chemistry. *Special Field*, Physical-Organic Chemistry. *Thesis*, "The Oxygen Inhibition of Vinyl Acetate Polymerization."
- ROBERT JOSEPH KOBLITZ, A.B. (*Ohio State Univ.*) 1942, M.P.A. (*Harvard Univ.*) 1947, A.M. (*ibid.*) 1948. *Subject*, Political Economy and Government. *Special Field*, Political Parties. *Thesis*, "The Strategy of Political Action: a Criticism and General Theory of Political Party."
- ARTHUR IRWIN KOHLENBERG, A.B. (*Columbia Univ.*) 1943, A.M. (*Harvard Univ.*) 1947. *Subject*, Physics. *Special Field*, Quantum Mechanics. *Thesis*, "Collisional Excitation of OI in Nebulae and in the Aurora Borealis."
- EUGENE GEORGE KOVACH, S.B. (*Wayne Univ.*) 1943, S.M. (*ibid.*) 1944, A.M. (*Harvard Univ.*) 1948. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "The Structure of the Santonides."
- WILLARD CARLETON LACY, A.B. (*DePauw Univ.*) 1938, S.M. (*Univ. of Illinois*) 1940. *Subject*, Geology. *Special Field*, Mining Geology. *Thesis*, "Types of Pyrite and their Relations to Mineralization at Cerro de Pasco, Peru."
- ROLF WILLIAM LANDAUER, S.B. 1947 (1945), A.M. 1947. *Subject*, Physics. *Special Field*, Quantum Mechanics. *Thesis*, "Phase Integral Approximations in Wave Mechanics." I. "Reflections in One-Dimensional Wave Mechanics." II. "Phase Integral Approximations in Two and Three Dimensions."
- ROBERT EDWARDS LANE, S.B. 1939, M.P.A. 1946, A.M. 1948. *Subject*, Political Economy and Government. *Special Field*, Administration—Regulatory. *Thesis*, "The Regulation of Business Men."

- GARDNER EDMOND LINDZEY, A.B. (*Pennsylvania State Coll.*) 1943, S.M. (*ibid.*) 1945. *Subject*, Social Psychology. *Special Field*, Minority Groups. *Thesis*, "An Experimental Study of Displacement of Aggression with particular reference to Minority Group Prejudice."
- ALBERT PAUL LINNELL, A.B. (*Coll. of Wooster*) 1943. *Subject*, Astronomy. *Special Field*, Photoelectric Photometry. *Thesis*, "Astronomical Photoelectric Photometry."
- SAMUEL MEGAW LOESCHER, A.B. (*Swarthmore Coll.*) 1946, A.M. (*Harvard Univ.*) 1948. *Subject*, Economics. *Special Field*, Industrial Organization and Control. *Thesis*, "Imperfect Collusion in the Portland Cement Industry: Basing-Point Pricing and the Cement Institute Case."
- KENNETH BAILEY MCAFEE, JR., S.B. 1946 (1945), A.M. 1947. *Subject*, Physics. *Special Field*, Microwave Spectroscopy of Gases. *Thesis*, "A Study of the Absorption of Some Gases at Microwave Frequencies."
- HAROLD TIMOTHY MCCARTHY, A.B. (*Massachusetts State Coll.*) 1941, A.M. (*Harvard Univ.*) 1942. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Aesthetic of Henry James."
- HIRAM JAMES MCLENDON, A.B. (*Olivet Nazarene Coll.*) 1941, A.M. (*Harvard Univ.*) 1946. *Subject*, Philosophy. *Special Field*, Theory of Knowledge. *Thesis*, "The Causal Theory of Perception."
- LEE ROY MARTIN, A.B. (*Univ. of Arkansas*) 1937, A.M. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Supply Problems in the Philadelphia Fluid Milk Market."
- ALFRED GEORGE MEYER, A.M. 1946. *Subject*, Political Science. *Special Field*, Political Thought and Institutions. *Thesis*, "Lenin's Theory of Revolution."
- RONALD LESTER MIGHELL, S.B. (*Iowa State Coll.*) 1925, S.M. (*Univ. of Minnesota*) 1926. *Subject*, Economics. *Special Field*, Agricultural Economics. *Thesis*, "Interregional Competition in Agriculture."
- ALEXANDER JOSEPH MORIN, A.B. (*Univ. of Chicago*) 1941, M.P.A. (*Harvard Univ.*) 1948, A.M. (*ibid.*) 1949. *Subject*, Economics. *Special Field*, Labor Economics. *Thesis*, "Potential Trade Union Organization of Farm Laborers in the United States."
- ALFREDO ROMERO NAVARRETE, LIC. EN ECONOMIA (*Univ. of Mexico*) 1944, M.P.A. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, International Trade. *Thesis*, "Exchange Stability, Business Cycles, and Economic Development: an Inquiry into Mexico's Balance of Payments Problems, 1929-1946."
- SALVATORE DANIEL NERBOSO, A.B. (*Univ. of New Hampshire*) 1941, A.M. (*George Washington Univ.*) 1944, S.B. (*Columbia Univ.*) 1947, A.M. (*Harvard Univ.*) 1948. *Subject*, Political Science. *Special Field*, American Public Administration. *Thesis*, "Aspects of Manpower Administration and Policy in the United States during World War II."
- MICHAEL CHARLES PEARSON, A.B. (*Univ. of Texas*) 1944, A.M. (*Harvard Univ.*) 1948. *Subject*, Political Science. *Special Field*, Political Thought and Institutions. *Thesis*, "Scientific Psychology and Politics."

- JOHN CAMPBELL PELZEL, A.B. (*Univ. of Chicago*) 1935, A.M. (*Harvard Univ.*) 1941. *Subject*, Anthropology. *Special Field*, Ethnology and Social Anthropology. *Thesis*, "Social Stratification in Japanese Urban Economic Life."
- MARVIN BANKS PERRY, JR., A.B. (*Univ. of Virginia*) 1940, A.M. (*Harvard Univ.*) 1941. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Keats and the Poets, 1815-1848: Studies in His Early Vogue as Reflected in the Verse Tributes and Allusions of His Contemporaries."
- ALBERT PIERCE, A.B. (*Bates Coll.*) 1939, A.M. (*Harvard Univ.*) 1948. *Subject*, Sociology. *Special Field*, Population. *Thesis*, "Fertility Differentials among Confessional Groups."
- JOHN DILEU POPA, STUD. (*Univ. of Cluj*) 1935-39. *Subject*, History. *Special Field*, Balkans in the Nineteenth Century. *Thesis*, "The Origin and Development of Democratic Ideas in the Danubian Principalities: the Generation of 1821."
- JOHN PALEN POWELSON, A.B. 1941, M.B.A. (*Univ. of Pennsylvania*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Economics. *Special Field*, International Trade and Tariff Policies. *Thesis*, "French Exports and Commercial Policy, 1919-1949."
- THOMAS JAMES PRESSLY, A.B. 1940, A.M. 1941. *Subject*, History. *Special Field*, American History. *Thesis*, "Clio's Changing Mind: Attitudes toward the Causes of the American Civil War."
- SHOU-SHAN PU, A.B. (*Univ. of Michigan*) 1943, A.M. (*Harvard Univ.*) 1944. *Subject*, Economics. *Special Field*, Money and Banking. *Thesis*, "Technological Progress and Employment."
- COLEMAN BERNARD RANSONE, JR., A.B. (*Coll. of William and Mary*) 1941, M.P.A. (*Harvard Univ.*) 1947. *Subject*, Political Science. *Special Field*, American Public Administration. *Thesis*, "The Office of Governor in the South."
- CHARLES AUSTIN REILLY, B.S.C. (*Dalhousie Univ.*) 1939, M.S.C. (*ibid.*) 1940, A.M. (*Harvard Univ.*) 1946. *Subject*, Chemical Physics. *Special Field*, Studies of Molecular Beam. *Thesis*, "The Development of a Molecular Beam Apparatus for the Study of Chemical Problems."
- JOHN STEPHEN RESHETAR, JR., A.B. (*Williams Coll.*) 1945, A.M. (*Harvard Univ.*) 1946. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "Ukraine and Revolution (1917-1920)."
- THEODORE ROOSEVELT RICE, A.B. (*Berea Coll.*) 1941, A.M. (*Harvard Univ.*) 1947. *Subject*, Biology. *Special Field*, Zoölogy. *Thesis*, "The Effect of Nutrients and Metabolites on Populations of Planktonic Algae."
- WALTER BATES RIDEOUT, A.B. (*Colby Coll.*) 1938, A.M. (*Harvard Univ.*) 1939. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Proletarian Novel in the United States: a Literary History and a Critique."
- HENRY WILLIAM RIECKEN, JR., A.B. 1939, A.M. (*Univ. of Connecticut*) 1941, A.M. (*Harvard Univ.*) 1949. *Subject*, Social Psychology. *Special Field*, Public Opinion. *Thesis*, "Changes in Attitudes and Personality among Participants in a Work Service Program."

- JAMES ROBERT ROACH, A.B. (*Univ. of Iowa*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, Political Science. *Special Field*, International Relations. *Thesis*, "The Background of Australian Foreign Policy."
- GEORGE WILLIAM ROGERS, A.B. (*Univ. of California*) 1942, A.M. (*ibid.*) 1943, M.P.A. (*Harvard Univ.*) 1948. *Subject*, Political Economy and Government. *Special Field*, American Politics. *Thesis*, "Alaska: the Development of an American Polity."
- THOMAS GUSTAV ROSENMEYER, B.A. (*McMaster Univ.*) 1944, M.A. (*Univ. of Toronto*) 1945. *Subject*, Philology. *Special Field*, Classical Philology. *Thesis*, "The Isle of Critias."
- ALLAN MAXWELL SACHS, A.B. 1942, A.M. 1947. *Subject*, Physics. *Special Field*, Experimental Physics. *Thesis*, "Nuclear Spin-Lattice Relaxation in Ammonium Salts."
- RICHARD CARL SANBORN, A.B. 1943 (1947), A.M. 1948. *Subject*, Biology. *Special Field*, Physiology. *Thesis*, "Chemical Physiology of the Cytochrome System in Relation to Diapause and Development in the *Cecropia* Silkworm."
- DAVID MURRAY SCHNEIDER, S.B. (*Cornell Univ.*) 1940, A.M. (*ibid.*) 1941. *Subject*, Social Anthropology. *Special Field*, Social Organization. *Thesis*, "The Kinship System and Village Organization of Yap, West Caroline Islands, Micronesia: a Structural and Functional Account."
- LEONARD WILLIAM SCHRUBEN, S.B. (*Kansas State Coll.*) 1939, S.M. (*Univ. of Illinois*) 1940, M.P.A. (*Harvard Univ.*) 1948, A.M. (*ibid.*) 1949. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Farm Management Extension Education."
- ANDREW MACKAY SCOTT, A.B. (*Dartmouth Coll.*) 1946, M.P.A. (*Harvard Univ.*) 1948. *Subject*, Political Economy and Government. *Special Field*, Political Theory. *Thesis*, "Communist Political Thought: a Critical Analysis."
- CARL BRYCE SELIGMAN, S.B. 1943, A.M. 1947. *Subject*, Physics. *Special Field*, Quantum Theory of Covariant Fields. *Thesis*, I. "The Theory of Gravitational Interactions." II. "The Interaction of Gravitation with Light."
- JOSEPH THOMAS SHAW, A.B. (*Univ. of Tennessee*) 1940, A.M. (*ibid.*) 1941, A.M. (*Harvard Univ.*) 1947. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Byron and Lermontov: the Romantic Verse Tale."
- GURBAKHSH SINGH, B.S.C. (*Punjab Univ.*) 1942, M.S.C. (*ibid.*) 1943. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Studies on Patulin."
- DAVID SLEPIAN, STUD. (*Univ. of Michigan*) 1941-43, A.M. (*Harvard Univ.*) 1947. *Subject*, Physics. *Special Field*, Quantum Mechanics. *Thesis*, "Wave Propagation in Periodic Media: Bloch-Wave Solutions of Elliptic Partial Differential Equations."
- PETER OTTO STEINER, A.B. (*Oberlin Coll.*) 1943, A.M. (*Harvard Univ.*) 1949. *Subject*, Economics. *Special Field*, Business Organization and Control. *Thesis*, "Workable Competition in the Radio Broadcasting Industry."
- JOHN CALHOUN STEPHENS, JR., A.B. (*Emory Univ.*) 1937, A.M. (*ibid.*) 1938. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "The Intellectual Background of Addison's *Spectator*."

- FRANCIS XAVIER SUTTON, S.B. (*Temple Univ.*) 1938, A.M. (*Princeton Univ.*) 1940, A.M. (*Harvard Univ.*) 1941. *Subject*, Sociology. *Special Field*, Sociology of Knowledge. *Thesis*, "The Radical Marxist."
- RICHARD GABRIEL TANSEY, A.B. 1942, A.M. 1943. *Subject*, History and Principles of the Fine Arts. *Special Field*, History of Medieval Art. *Thesis*, "The Representation of the Human Figure in Early Western Manuscript Illumination."
- DAVID TAUB, S.B. (*Coll. of the City of New York*) 1940, A.M. (*Harvard Univ.*) 1946. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "Perbenzoic Acid Studies."
- DICK TAYLOR, JR., A.B. (*Univ. of the South*) 1932, A.M. (*Tulane Univ.*) 1939. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "William Herbert, the Third Earl of Pembroke: his Life and Literary Connections."
- JOHN GORDON TORREY, A.B. (*Williams Coll.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Biology. *Special Field*, Botany. *Thesis*, "Studies on the Physiology of Lateral Root Formation and Root Growth."
- EDWARD HARRISON TURNER, S.B. 1942, A.M. 1947. *Subject*, Physics. *Special Field*, Experimental Physics. *Thesis*, "Nuclear Spin-Lattice Relaxation in Crystals at Low Temperatures."
- ALBERT DANIEL ULLMAN, A.B. (*Yale Univ.*) 1940, ED.M. (*Harvard Univ.*) 1941. *Subject*, Education. *Special Field*, Educational Psychology. *Thesis*, "The Experimental Production and Analysis of a 'Compulsive' Habit, with Observations on its Generalized Tension-Reducing Properties."
- SHIVARAO SHANTARAM WAGLE, B.S.C. (*Univ. of Bombay*) 1942, B.A. (*ibid.*) 1943, B.S.C.TECH. (*ibid.*) 1945, A.M. (*Harvard Univ.*) 1949. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "The Serini Reaction."
- CURTIS BROWN WATSON, A.B. (*Brown Univ.*) 1938, A.M. (*Haverford Coll.*) 1940. *Subject*, Philology. *Special Field*, English Philology. *Thesis*, "Shakespeare and the Renaissance Concept of Honour."
- ARTHUR AYER WESTENBERG, A.B. (*Carleton Coll.*) 1943, A.M. (*Harvard Univ.*) 1948. *Subject*, Chemistry. *Special Field*, Physical Chemistry. *Thesis*, "The Microwave Spectra of Some Linear Molecules."
- JOHN HARVEY WHEELER, JR., A.B. (*Indiana Univ.*) 1946, A.M. (*ibid.*) 1947. *Subject*, Political Science. *Special Field*, Political Thought and Institutions. *Thesis*, "Constitutional Transition: an Analysis of English Constitutional Ideas in the Earlier Seventeenth Century."
- RICHARD GIBBS WHEELER, S.B. (*Univ. of Connecticut*) 1937, S.M. (*ibid.*) 1940, A.M. (*Harvard Univ.*) 1949. *Subject*, Economics. *Special Field*, Economics of Agriculture. *Thesis*, "Economic Problems of Dairy Farm Organization in Northern New England."
- PELHAM WILDER, JR., A.B. (*Emory Univ.*) 1942, A.M. (*ibid.*) 1943, A.M. (*Harvard Univ.*) 1947. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, I. "Studies in the Cyclo- and Dicyclopentadiene Series." II. "The Structure of Eibner's 'Phenylhydrazone of Cyclopentadienone'."
- SHELDON SANFORD WOLIN, A.B. (*Oberlin Coll.*) 1946, A.M. (*Harvard Univ.*) 1947. *Subject*, Political Science. *Special Field*, Political Thought and Institutions. *Thesis*, "Conservatism and Constitutionalism: a Study in English Constitutional Ideas, 1760-1785."

ROBERT COLDWELL WOOD, A.B. (*Princeton Univ.*) 1946, M.P.A. (*Harvard Univ.*) 1948, A.M. (*ibid.*) 1948. *Subject*, Political Economy and Government. *Special Field*, Public Administration. *Thesis*, "The Metropolitan Governor: Three Case Inquiries into the Substance of State Executive Management."

WINFIELD SCOTT WORRALL, S.B. (*Haverford Coll.*) 1942, A.M. (*Harvard Univ.*) 1947. *Subject*, Chemistry. *Special Field*, Organic Chemistry. *Thesis*, "An Approach to a Stereospecific Synthesis of the Steroid Molecule."

DOCTORS OF SCIENCE

ARTHUR BERNARD DROUGHT, ED.B. (*Milwaukee State Teachers Coll.*) 1935, A.M. (*Northwestern Univ.*) 1942, S.M. (*Harvard Univ.*) 1948. *Subject*, Electrical Engineering. *Special Field*, High Voltage Engineering. *Thesis*, "High Tension Voltage Dividers."

JAMES PEARSON GOULD, S.B. IN C.E. (*Univ. of Washington*) 1944, S.M. (*Massachusetts Inst. of Technology*) 1946, S.M. (*Harvard Univ.*) 1948. *Subject*, Civil Engineering. *Special Field*, Soil Mechanics. *Thesis*, "Analysis of Pore Pressure and Settlement Observations at Logan International Airport."

MASTERS OF EDUCATION

JAMES THOMAS AMSLER, S.B. IN ED. (*Fitchburg State Teachers Coll.*) 1943.

CAROLYN ALLISON BLACKMER, A.B. (*Ohio State Univ.*) 1920.

GERALD WALTER BOICOURT, A.B. (*Univ. of Utah*) 1941.

IVAN CHI-YU CHAO, B.A. (*Great China Univ.*) 1931, M.A. (*Yenching Univ.*) 1936.

SHIU KWAI CHEUNG, B.A. (*Lingnan Univ., China*) 1937.

ROSAMOND COOLIDGE, A.B. (*Radcliffe Coll.*) 1923.

RICHARD JOSEPH DUNDAS, 3D, B.ED. (*Keene Teachers Coll.*) 1939.

RICHARD GERRY DURNIN, S.B. (*Columbia Univ.*) 1947.

ROBERT OLIVER GIBSON, B.A. (*Mt. Allison Univ.*) 1941.

CATHERINE MARY HARTNETT, S.B. IN ED. (*Boston Teachers Coll.*) 1935.

NORMAN HAWHEELI, S.B. (*Univ. of New Hampshire*) 1939.

LAUREL HESSLER HODGDEN, A.B. (*Univ. of Kansas*) 1948.

STARR MARGETTS KING, S.B. (*Massachusetts State Coll.*) 1921.

CHARLES LAURENS LATIMER, JR., S.B. (*Coll. of Charleston, S.C.*) 1943, A.M. (*Harvard Univ.*) 1948.

ROSE DOROTHY LEE, A.B. (*Emmanuel Coll.*) 1931.

JOHN FRANCIS MACDONNELL, A.B. (*Boston Coll.*) 1939.

THOMAS STANISLAUS McGRATH, A.B. (*Coll. of the Holy Cross*) 1926, A.M. (*Columbia Univ.*) 1931.

ROLAND WINTON MacKINNON, B.A. (*McGill Univ.*) 1944.

HELEN McLAUGHLIN, S.B. IN ED. (*Boston Univ.*) 1946.

IAN DUNCAN MALCOLM, S.B. IN ED. (*North Adams State Teachers Coll.*) 1942.

PAUL WHITTEMORE MATHER, A.B. 1929, A.M. 1933.

RICHARD WATSON MECHEM, A.B. 1945 (1944).

HARRY STEWART MERSON, A.B. (*Dartmouth Coll.*) 1929.

GUY ANTHONY PETRALIA, A.B. (*Boston Univ.*) 1934, A.M. (*ibid.*) 1939.

- ARTHUR EDWARD RADVILAS, A.B. (*Columbia Univ.*) 1939.
 WILLIAM JAMES REID, A.B. (*Dartmouth Coll.*) 1934, ED.M. (*Boston Teachers Coll.*) 1935.
 JOSEPH KELLY SONNTAG, A.B. (*Univ. of Michigan*) 1939.
 ESTHER DENA STARR, S.B. (*Boston Univ.*) 1933.
 EMILY RAYMOND STEWART, A.B. (*Wheaton Coll.*) 1933, S.B. IN ED. (*Lowell State Teachers Coll.*)
 1934.
 GEORGE PANAGIOTIS VERRIOS, DIPL. (*Coll. of General Studies, Athens*) 1946, DIPL. (*Normal
 School, Tripolis*) 1936.

DOCTORS OF EDUCATION

- CARL MORRIS BAIR, JR., S.B. IN ED. (*State Teachers Coll., N.J.*) 1933, A.M. (*Univ. of Connecticut*) 1943. *Subject*, Educational Administration. *Thesis*, "The Cost of Living of Single, Self-supporting Women Teachers in the State of Connecticut and a Plan to Utilize this Factor in State Aid for Schools."
 STEPHEN EDWARD FARNUM, B.MUS. (*Boston Univ.*) 1939. *Subject*, Music Education. *Thesis*, "Prediction of Success in Instrumental Music."
 PAUL STETSON IVORY, A.B. (*Bowdoin Coll.*) 1937, B.MUS. (*Boston Conservatory of Music*) 1940, A.M. (*Harvard Univ.*) 1946. *Subject*, Music Education. *Thesis*, "Music for Education: A Critical Selection of Music for Performance by Junior-Senior High School Orchestras, Bands, Choruses, and Ensembles."
 WILLIAM CARL JORDAN, S.B. (*Univ. of Oregon*) 1941, ED.M. (*ibid.*) 1946. *Subject*, Elementary Education. *Thesis*, "The History, Scope and Prospects for the Future of the Nursery School Movement."
 THOMAS CLAIR KING, A.B. (*Fort Hays Kansas State Coll.*) 1940, S.M. (*ibid.*) 1941. *Subject*, Educational Administration. *Thesis*, "The Process of School District Reorganization: Facilitating and Impeding Factors."
 JULIAN CECIL STANLEY, JR., S.B. IN ED. (*Georgia Teachers Coll.*) 1937, ED.M. (*Harvard Univ.*) 1946. *Subject*, Educational Psychology. *Thesis*, "The Differential Effects of Partial and Continuous Reward upon the Acquisition and Elimination of a Running Response in a Two-Choice Situation."

BACHELORS OF ARCHITECTURE

- NATHAN ADLER, A.B. 1942.
 COLBY MERRILL AUSTIN, A.B. 1942 (1946).
 LIEN CHING CHEN, B.SC. IN C.E. (*St. John's Univ., Shanghai*) 1943.
 THOMAS BARHAM ANGELL GODFREY, A.B. 1942.
 ALVIN HENRY GRIESE.
 JAMES LEE HARRIS, S.B. (*Georgia School of Technology*) 1941.
 ZENA PRAGER NEMETZ, S.B. (*Radcliffe Coll.*) 1946.
 ROBERT LOUIS PARSONS, A.B. (*Univ. of Southern California*) 1942.
 RICHARD MONTGOMERY POTTER, A.B. 1946 (1948).
 EDWARD OAKLEY PROVOST, JR., S.B. 1944 (1943).
 JAMES MONTGOMERY SNOW, JR., A.B. 1939.

CHRISTOPHER DAVID WADSWORTH.

WALTER JOHN WILLIS, S.B. (*Massachusetts School of Art*) 1940.

MASTERS IN ARCHITECTURE

CHAO-KANG CHANG, B.S.C. IN ARCH. (*St. John's Univ., Shanghai*) 1946.

TSE-FOO CHIEN, B.S.C. IN ARCH. (*National Central Univ. of China*) 1940.

ROBERT BRADFORD CLOPTON, B.ARCH. (*Alabama Polytechnic Inst.*) 1943.

WALTER EUGENE GEORGE, JR., B.ARCH. (*Univ. of Texas*) 1949.

CARL FREDERICK GROOS, JR., A.B. (*Rice Inst.*) 1944, S.B. IN ARCH. (*ibid.*) 1947.

PHILIP KOENIG, S.B. IN ARCH. (*Univ. of Illinois*) 1948.

ANN HELEN ROSTEN, B.ARCH. (*McGill Univ.*) 1948.

BACHELOR OF CITY PLANNING

GEORGE NILS SKRUBB.

BACHELORS OF LANDSCAPE ARCHITECTURE

MYLES GERALD BOYLAN, S.B. (*Massachusetts State Coll.*) 1936, M.L.A. (*Harvard Univ.*) 1947.

IBRAHIM AHMED MOHAMED ELSAMMAK, B.S.C. (*Farouk I Univ.*) 1946.

SANFORD SIMON FARNES, B.C.P. 1949.

AZIZ SIDKY, B.ARCH. (*Fouad I Univ.*) 1944, M.ARCH. (*Univ. of Oregon*) 1947.

MASTERS IN CITY PLANNING

EDWARD LAWTON DAUGHERTY.

DAVID B McCOSKER.

MASTER IN LANDSCAPE ARCHITECTURE

FREDERIC SAMUEL BLAU, B.L.A. 1949.

MASTER IN BUSINESS ADMINISTRATION

VICTOR RAPHAEL COUDERT, JR., A.B. (*Yale Univ.*) 1946.

DOCTORS OF COMMERCIAL SCIENCE

MANLEY HOWE JONES, A.B. (*Grinnell Coll.*) 1926, M.B.A. (*Harvard Univ.*) 1947. *Special Field*, Problems of an Industry. *Thesis*, "Problems of the Soybean Industry."

WILLIAM JACKSON PARISH, PH.B. (*Brown Univ.*) 1929, M.B.A. (*Harvard Univ.*) 1931. *Special Field*, Economic Problems of the American Southwest. *Thesis*, "History of Charles Ilfeld Company."

MASTER IN PUBLIC ADMINISTRATION

LUIS DAVID YANEZ PEREZ, DEGREE IN ECON. (*Univ. of Mexico*) 1938.

DOCTOR OF PUBLIC ADMINISTRATION

TYRUS RAYMOND TIMM, S.B. (*Texas Agric. and Mech. Coll.*) 1935, S.M. (*ibid.*) 1936, M.P.A. (*Harvard Univ.*) 1947. *Special Field*, Agricultural Economics. *Thesis*, "The Role and Function of the Agricultural Extension Service in Texas."

DOCTOR OF MEDICINE

JAMES CRATE LARKIN, JR., D.M.D. 1947.

MASTERS OF PUBLIC HEALTH

HARRIET MARTHA BOYD, PH.B. (*Brown Univ.*) 1925, S.M. (*Middlebury Coll.*) 1929, S.M. (*Georgetown Univ.*) 1948.

LOREN DONOVAN MOORE, M.D. (*Washington Univ.*) 1925.

WALTER JOHNSON PENNELL, A.B. (*Bates Coll.*) 1913, M.D. (*Harvard Univ.*) 1917.

MASTER OF SCIENCE IN HYGIENE

KRISHNA KUMAR MATHUR, M.B.B.S. (*Lucknow Medical Coll.*) 1936, D.P.H. (*All India Inst. of Hygiene and Public Health*) 1938 (*Industrial Hygiene*).

DOCTOR OF SCIENCE IN HYGIENE

ESTHER HARDENBERGH, A.B. (*Bryn Mawr Coll.*) 1937, A.M. (*Mount Holyoke Coll.*) 1943. *Special Field*, Physiology. *Thesis*, "The Effect of Sympathetic Nerve Stimulation on Lymph Flow and Capillary Filtration."

BACHELORS OF LAWS

WILLIAM JOSEPH BARTON, A.B. (*Brown Univ.*) 1947.

EDWIN WAGNER BRAGDON, A.B. (*Princeton Univ.*) 1943.

KINGSBURY BROWNE, JR.

ROBERT MONROE FISHER, A.B. (*Williams Coll.*) 1946.

EDGAR ROHWER GEESAMAN, A.B. (*Univ. of Nebraska*) 1942.

MARK AUGUSTINE LILLIS, A.B. (*Coll. of the Holy Cross*) 1944.

HUNTER LENON MARTIN, JR., A.B. (*Amherst Coll.*) 1947.

ROBERT BRIESENICK ROSS, S.B. 1946 (1945).

CHARLES THIGPEN SHEA, A.B. (*Williams Coll.*) 1943.

IRVING JOSEPH SLOMOWITZ, A.B. (*Univ. of Wisconsin*) 1946.

PALMER SMITH, JR., A.B. 1947.

DWIGHT SULLIVAN, A.B. (*Princeton Univ.*) 1947.

DERK RAE TEROLLER, A.B. (*Univ. of California at Los Angeles*) 1945.

BERNARD CHARLES WELCH, A.B. 1946 (1944).

CUM LAUDE

SEAN FLAVIN, A.B. (*Stanford Univ.*) 1947.

MASTER OF LAWS

SAMUEL WILSON WIDDIFIELD, S.B. (*Boston Univ.*) 1946, LL.B. (*ibid.*) 1948, LL.M. (*Yale Univ.*) 1949.

COMMENCEMENT PARTS

SALUTATORY DISSERTATION

CHARLES JAMES NICE BAILEY

De Doctrina Confirmanda

DISSERTATION

STEPHEN MYRON SCHWEBEL

Crisis at Mid-Century

BURTON CHARLES BERNARD, A.B.

Free Speech and the Supreme Court

BOWDOIN PRIZES

DISSERTATIONS IN ENGLISH

Third Prize

RICHARD ROGER REPASS, '51

Second Prize

JAMES VINCENT GRASSO, '50

First Prize

GEOFFREY DOUGLAS BUSH, '50

Graduate Prizes

SIEGLE HALL FLEISHER, A.M.

SHERMAN PAUL, A.M.

ERNEST HAROLD GOLDMAN, S.M.

DISSERTATION IN LATIN

Graduate Prize

GEOFFREY BLUNDELL RIDDEHOUGH, A.M.