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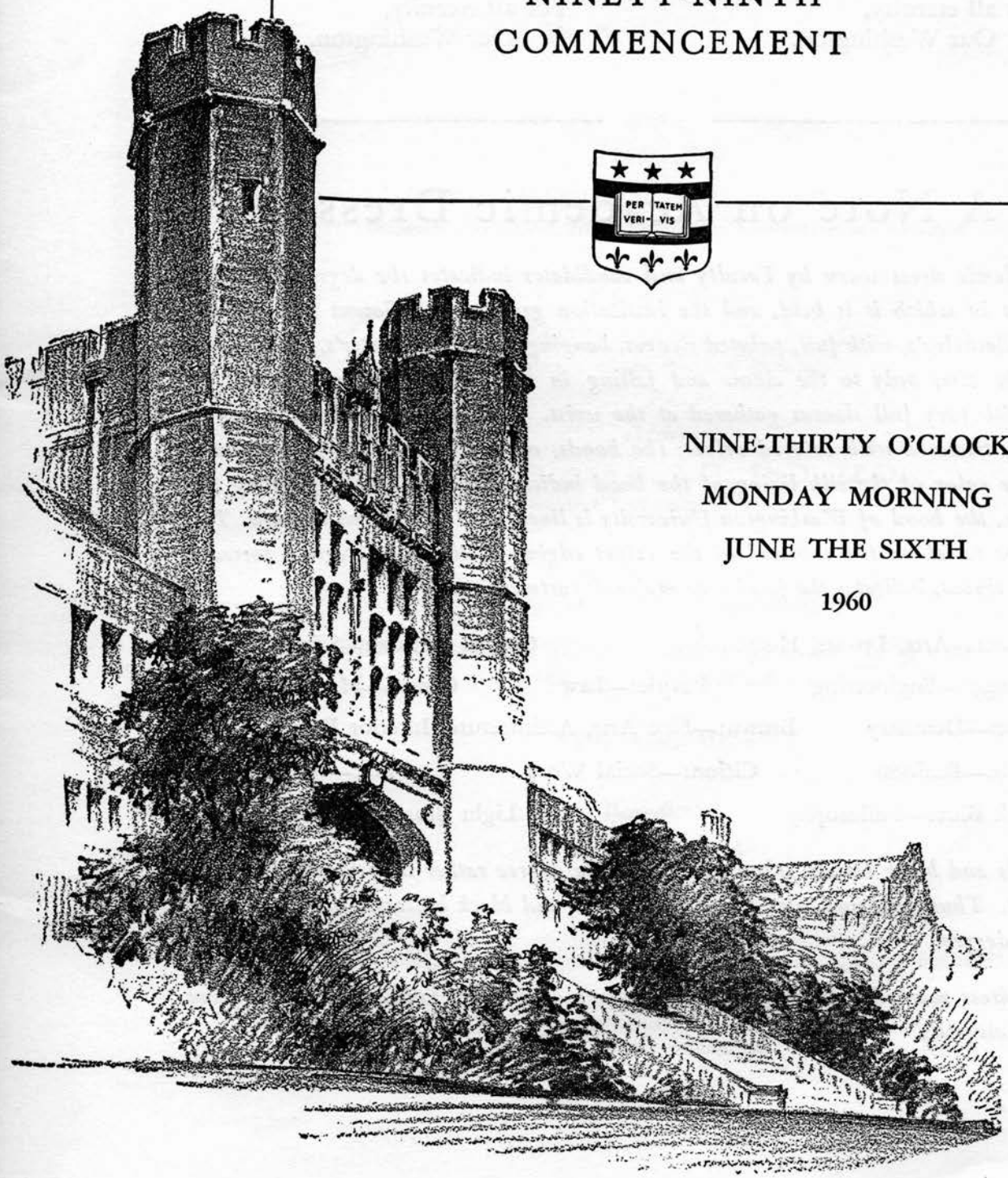
WASHINGTON UNIVERSITY

SAINT LOUIS

NINETY-NINTH COMMENCEMENT



NINE-THIRTY O'CLOCK

MONDAY MORNING

JUNE THE SIXTH

1960

The Alma Mater

1

Dear Alma Mater,
Thy name is sweet to me.
Our hearts are all for thee,
Fair Washington.
Thy halls shall honored be
Throughout this great country
For all eternity,
Our Washington.

2

Those days of youth which
All of us spent with thee
Form a dear history,
Fair Washington.
Could they renewed be,
We'd live our days with thee
For all eternity,
Our Washington.

A Note on Academic Dress

The academic dress worn by Faculty and candidates indicates the degree held, the subject in which it is held, and the institution granting it. Gowns are of three kinds: the Bachelor's, with full, pointed sleeves, hanging open; the Master's, with sleeves covering the arms only to the elbow and falling in narrow rectangular panels; the Doctor's with very full sleeves gathered at the wrist. The gowns are black, although occasionally trimmed with colored velvet; the hoods, on the other hand, are of many colors. The color of the silk lining of the hood indicates the institution granting the degree: e.g., the hood of Washington University is lined with myrtle and maroon. The color of the tassel on the cap and of the velvet edging of the hood, carried forward around the throat, indicates the faculty or major department:

White:—Arts, Letters, Humanities
Golden Yellow:—Science
Orange:—Engineering
Purple:—Law
Green:—Medicine
Lilac:—Dentistry
Brown:—Fine Arts, Architecture, Interior Design
Drab:—Business
Citron:—Social Work
Pink:—Music
Dark Blue:—Philosophy
Light Blue:—Education

Gold tassels and black tassels, when worn, indicate degree rather than faculty or major department. Thus gold indicates the Ph.D. degree and black indicates the Master's or Bachelor's degree.

Academic dress markedly different from the above description indicates a degree from a foreign university.

Order of Exercises

Academic Procession

Ceremonial Music ..... Purcell

Voluntary in D major ..... Boyce

Rigaudon ..... Campra

Pomp and Circumstance ..... Elgar

Howard Kelsey, University Organist

The National Anthem

Invocation

RABBI ROBERT P. JACOBS

Director, B'nai B'rith Hillel Foundation at Washington University

Announcements

JAMES MARSH DOUGLAS, LL.B., LL.D.

Chairman of the Board of Directors

Address

ELMER ELLIS, A.B., A.M., Ph.D., LL.D.

President, University of Missouri

Conferring of Degrees

Presentation of Commissions

ETHAN ALLEN HITCHCOCK SHEPLEY, A.B., LL.B., LL.D.

Chancellor of the University

The Alma Mater

Benediction

RABBI JACOBS

Recessional

Sonata IV, Allegro maestoso ..... Mendelssohn

The audience will remain seated until the Academic Procession has left the Auditorium

THE COLLEGE OF LIBERAL ARTS

The Following Candidates Will Be Presented By
THOMAS STEELE HALL, PH.D., *Dean*

BACHELOR OF ARTS

Candidates—June 6, 1960

Mary Joyce Arendes
Petey Hughey Baker
Marjorie Ann Bandy
Martin Jay Baron
Gloria Ann Becker
Rose Lee Farer Bell
Edward Frank Berg
Michael Berger
Sue Ann Bindbeutel
Barbara Blake
Ronald Samuel Bloom
Ilene Marsha Bluestein
Barbara Lee Boniface
Rita Lorraine Boshans
Sidney Lou Brackman
Beverly Bee Bretsnyder
Clobert Bernard Broussard, Jr.
Harry Albert Budde, Jr.
Laverne Myra Bunting
Pauline Walz Christy
David Leon Clodfelder
Alan Jay Cohen
Marcia Sue Cohen
John Raynor Considine
Ronald Edward Cook
Earl Douglass Craig, Jr.
Paul Terence Crebs
Viris Wather Cromer
Frances Marilyn Cutler
Dorothy Kimmel Dalzell
Lauren William Fernand Dauernheim
Thomas Jeffrey Deakin
Sara Helen Schwartz Deitch
Barbara Ann Deutsch
Joyce Ann Duerkob
Sean Benedict Duffy
Edith Ann Early
Rochelle Edelman
Howard Leslie Egan
Marilyn Frances Emerson
Mary Louise Evans
Michael David Everett
Donald Harvey Fagerberg
Rosalind Joyce Farris
Dina Cohen Feinstein
Bette Jane Finkelstein
Margaret McKinney Fisher
Dale Quentin Fitschen
Suzanne Dolores Fleming
June Lee Fluckey
Julia Kemler Francis
Richard Paul Frey
William Hersh Friedman
Marie-Rose Fromaigeat
Shelley Bannister Geffen
Martin Abram Gerchen
John Louis Gianoulakis
Judith Penn Gissler
Susan Gittelman
Estelle Goldberg
David Barron Goldenberg
Benjamin Magidson Goldstein
Beverly Elaine Gorelick
Edith Custer Graber
Ann Rae Greenspan
Susan Schiffman Grossman
Lois Ellen Guller
Alivan Daniel Harris
Dorothy Lee Hein
Donna Kaye Herman
Armida Helen Heslep
Joan Lou Higgs
Robert Donald Hohertz
Joan Zelda Horowitz
Charles Richard Horwitz
Ramona Hansen Howard
Ivan Baer Inger
Erwin Virgil Johanningmeier
Clifford Gilbert Jordan
Lawrence Arthur Jordan
David Martin Kahn
Barbara Ann Kallman
Judith Wasserman Kalman
Roy Osamu Kamada
Marilyn Tureen Kanefield
Stephanie Lee Kantoff
Jerome Irving Kaskowitz
Henry August Kastrup
Bruce Delozier Kenamore
George William Keulks
Arno Martin Klausmeier
Robert Harvey Knickmeyer
Stephen Robert Kovac
Mildred Lucy Kovacevich
Alan Jay Kraus
Colman Harry Kraus
Abraham David Krutchik
Haruo Kusama
Nan Elaine Lacey
Harold Theodore Lange, Jr.
Alan Vernon Lemmon
Alice Jean Lepp
Nancy Elaine Leve
Estelle Levi
Ruth Regina Levin
Elaine Judith Lieberthal
John Henry Lindenbusch
Michael Evans Long
William Benjamin Long
Mary Louise Macnish
Charles Edgar Maire, Jr.
Kinney Mann
Michael Douglas Martz
Elner Jean McCraty
David Patrick McDonald
Loren Everett McKerrow
Emma Mellard
Shulamith Mellman
Walter Lee Metcalfe, Jr.
James Earl Meyer
Sigrid Ann Meyers
Barbara Barnes Miller
Martha Ann Mobbs
Molly Elaine Moody
Mildred Arline Murphy
Julia Frances Newman
Michael N. Newmark
Martha Niemoeller
Allan Louis Novak
John David Ober
Arthur Edgar Obrock
Elaine Frances Offerjost
Stuart Michael Orgel
Suzy Ann Orgel
Stanley Nobuyuki Oyama
Anita Ann Paskal
Phillip James Paster
Doris Virginia Perry
Barbara Phillips
Martin Harold Platt
Walter Casimir Plefka
Ronald Lester Pohlé
Robert William Pommer
Katina Mae Poulos
Janet Frances Ray
John William Reed
George Frederick Reinhardt
David Douglas Rendleman
Carol Ann Rickert
Shoshana Rochelle Rimel
Alberta Rist
John Gallup Roach
Joyce Ann Rogers
Darryl Harvey Runett
Nancy Lee Saks
Carl Anthony Saladino
Charlotte Louise Sandve
Robert Graham Scheibe
Beverly Grace Schmid
Judith Shirley Schneider
Perry Alan Schneider
Joan Marie Schoewe
Jean Anne Scholer
Peter Calvin Scrivner
Ferell Nancy Seifer
Norman Allan Selner
Libbie Pauline Seltzer
Allen William Sherman
Barbara Ann Siegman
Judith June Sincoff
Thomas Michael Singer
Judith Rosalee Smith
Mary Lynn Southerland
Alan Robert Spivack
William Michael Sprague
Robert Fred Steele
Penny Winston Stein
Mary Lou Birk Stewardson
Marjorie McLean Stimson
Henry Samuel Stolar
Doris Lee McDaniel Storms
Margaret Strauss
John Dorton Stubbs
Ronald Lee Sutton
Robert Milo Taxman
Allen Fred Tess
Robert Stuart Thaller
William Louis Thiele, Jr.
Maurice Reeves Thomas, Jr.
Susan Frances Thompson
Audrae Ann Tisher
Walter Tishma
Nancy Ann Tryon
Carol Lee Tucker
Frances Jo Turbeville
Richard Lee Turner
Warren Harvey Turner
Joan Bernice Varner
Robert Henry Vondrasek
Margaret Elaine Wache
Judith Claire Wagner
David Catlin Wahl
Marjorie Ann Walz
Richard Steven Waring
Gerald Leon Warren
Joyce Aline Weinstein
Thomas Francis Weld
Jane Anne Wheaton
Melvyn Wade Wiesman
Joseph Marion Willemin
Sara Virginia Williams
Robert Thomas Willis
Ronald Joseph Willis
David Alan Wilson
Denyse Elyane Wilton
Howard Allen Wittner
Yale Sam Wolff
Carol Ann Young
Ludmilla Nina Zemels
Diana Jane Zimmermann
Vivian Wides Zwick

Awarded January 25, 1960

Alice Leslie Abel
Patricia Shirley Brown
Robert Charles Bubla
Beverly Ann Burton
Blanche Looney Chetlain
Eugene Henry Cisco
Barbara Ann Clark
Collette Louise Collins
Helene De Kuyper
Patricia June Denny
Leah Marlene Elbaum
Jeremiah Daniel Finnegan
Marcia Frager
Rozanne Frager
Renitta Librach Goldman
Barbara Sue Goralnik
Maury Hill, Jr.
Amanda Leona Kassebaum
Diane Elin Keathley
Carol Ruth Kimker
Albert William Kirschbaum
Janet Klaverkamp
Alexander Matthew Klein, Jr.
Meryl Lee Klevens
James Duane Lionberger
Renee Doris Markowitz
Walter Curt Martini, Jr.
Dorothy Roemer Mathers
Turner Lewis Minnigerode
Thomas Verle Monical
James Irl Nibeck
Jane Petersen Nixon
Robert Orville Piening
Ronald Henry Pilz
Jean Marie Reardon
Judith Fuchs Rechter
Lynette Helen Rosenblum
Barbara Rader Schwartz
Louis Harris Sigoloff
Richard Bernard Smith
Carole Ann Steiner
Judith Ellen Trimble
Jan Emile Theodore Tykac
Freda Vose
Lois Linn White
Adajean Lott Whitlock
Thomas Daniel Widmar
Shirley Cecile Yawitz
Mary Zaman

Awarded August 28, 1959

Gerald Lee Abegg
Nancy Caroline Auld
Malvern Miller Bankhead
Rosemary Barner
Judy Ragan Bennett
Adelaide Lang Benson
John William Bizzell, Jr.
Lynne Shelton Bland
Ludovico Borgo
Brian Joseph Brinker
John Robert Burke
George Christian Burmeister, Jr.
Henry DeWitt Campbell
Judith Rothman Chervitz
John Paul Debicki
Sally Mae Deutsch
Martha Lynn Beck Dillon
Karl Erich Driesen
Sandra Rohlfing Fridley
Sue Steiner Gallop
Burt Richard Goldburg
Stanley Earl Goldstein
Suzanne Collins Hampton
Laura Camille Heusinkveld
Virginia Edna Hill
Mary Louise Hormberg
Helen Merle Horwitz
Kathryn Walker Huelster
Benjamin Franklin Hull
Herbert Peter Jaekel
James Joseph Janca
Louis Fabian Kannenstine
Adrienne Rushton Kennedy
Jerry Kraft
Estherann Latta
William Allan Leverick
Joyce May Lewis
Ruth Karen Lindahl
Marilee McClintock
Ruth Ann McClintock
George Albert McNulty, Jr.
John Joseph Mee
Shirley Dunaway Mehri
Dorothy Ann Myers
Charles Hugh Neilson
Bernard Pessin
Boris Prstojevich
Sandra Schuster Rosenbaum
James Edwin Sachse
Bella Scheiner
Janet Wood Schirmer
Walter Fredrick Schmidt II
Byron Jay Schneider
Mary Lou Shelton
Samuel David Spivack
John Quentin Sterbenz II
Paul Thomas Thiel
George Morrison von Schrader
Marilyn Wilson
Sue Carol Winstead

BACHELOR OF SCIENCE IN EDUCATION

Candidates—June 6, 1960

Wilbert Adler
Edward Patrick Franz
Janet Ruth Hahn
Richard Arlen Nash
Thomas Lee Regot
Kelvin Richard Ryals
Carol Lee Seager

Awarded January 25, 1960

Alexander Yukio Ikeda

BACHELOR OF MUSIC

Candidates—June 6, 1960

Margaret Johnston Brink
Armand William Kitto
Fancine Meyer Stone

Awarded January 25, 1960

Barbara Marylyn Prager

Awarded August 28, 1959

Jean Britt Williams

THE SCHOOL OF ENGINEERING

The Following Candidates Will Be Presented By
DONALD ALBERT FISCHER, B.S.E.E., LL.B., *Dean*

BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING

Candidates—June 6, 1960

Michael Leo Bohanon
Billy Ray Garver
John Edward Janssen
Hai Sang Lew
Leonard Weintraub

Awarded January 25, 1960

Fuad Ahmed Uthman

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Candidates—June 6, 1960

Robert Alan Catalpa
Richard Emmett Dascher
William Edward Feuerborn, Jr.
Thomas George Foley
Amiel Gilbert Forshee
Norman Foster
Richard Dean Glassey
David Lee Goff
Raymond LeRoy Gooch
David Anthony Harshany
Ronald Rudolph Kienle
Gerald Kenneth Kwentus
Frank Elmer Miller
Thomas Owen Myers
Robert Helle Rhoads
Larry Clifford Rogers
George Francis Rotter
James Joseph Schonaerts
Charles Don Siebenthal
Carl Joseph Uthoff

Awarded January 25, 1960

Edward Howe Parker
Vincent Thomas Slama

Awarded August 28, 1959

Victor Le-Roi Flack
Lawrence John Franz
Peter Edward Macy
Francis Edward Nicoll Peacock
Ernest William Skiles

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Candidates—June 6, 1960

Howard Louis Bierman
Richard Joseph Buncie
James Gregory Crose
James Hudson Greenley
Harold Burwell Hinchman II, B.S.
Roy Lee Johnson
Michael John Kausch, Jr.
William Charles Lorenz
Boonthan Mahavan
Kenneth Conrad Mueller
Joseph Yale Nash
Bruce Irvin Neunaber
Edward Neil Norman
Fred Earl Palmerton
Lee Platke
Fred Miller Reiff
Bertram Norman Risch
Nicholas Anastasios Scambilis
David Amos Schmelig
John Frank Sydow
Charles Hershel Thien
Francis Daniel Whelan

Awarded January 25, 1960

Robert Oliver Butler
Robert William Frick
Ralph George Mehringer

Awarded August 28, 1959

Ronald Eugene Brandtman

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Candidates—June 6, 1960

Charles Frank Anick
Daniel Frederick Baltz
Dean Eldon Barwick
Bradley William McKinley Benn
John Bernard Berger
Fernond David Betche
Fred Louis Blasberg
Kenneth Edward Bleich
Raymond Eugene Brown
John Marvin Buchholz
Gerold George Chaklos
George Robert Couranz
Garrett Christopher Covington III
Donald Robert DeZutter
Wesley Thomas Diller
Edward Donald Dreyfus
Eugene Howell Eakes
Arnold Frederick Friedeck
Jerry Lee Gaddy
Gerald Andrew Gayer
David Edmund Graves
Eugene Gary Grewis
Eugene Claude Harris, Jr.
Frank Joseph Irovic
Howard Edward Johnson
Robert Joseph Julius
Leo James Klamerus
Ralph Herman Kotoski
Jan Herbert Krummrich
Gregory Garling Kruszka
Gustav Adolph Lindauer
James Tim Matheny
Jerry Arthur McDaniel
Frederick Davis Meloan
Clemence Paul Mudd, Jr.
Philip Conway Munro
John Thomas O'Halloran
Richard Howard Palmer
Harold Raymond Patton
Stanley Jerry Sandler
Theodore Edward Schuessler
William Donald Soldier
Bertram Louis Sterbenz, Jr., A.B.
Alexander Stolitza
Gene Arthur Stringham
James Edward Tilker
Arthur Harold Tischer
Kenneth Elmer Toerper
Robert Frederick Underwood
Giovanni Anthony Viglino
Joseph Anthony Volk, Jr.
Eugene Howard Weirich
John Frank Wendl
Richard Willis
John Joseph Wilson
Susan Jean Winter
Joseph Lee Wyland
John George Ziebold

Awarded January 25, 1960

Donald Paul Berra
Arthur John Little
Milton Paul Mindel II
Donald Eugene Routh
James Robert Smith

Awarded August 28, 1959

Gene Stanley Blankenship
Ralph William Davis, Jr.
Melvin John Hill
Charles Peter Johannigmeier, Jr.
Neil Jay Kessler
Charles John Krill
Edward Thomas Kuefler
Raymond Joseph Meyer
Donald Erwin Moehlenkamp
Richard Pryer Robnett
Robert Paul Schepp
Virgil Melvin Stapf
Harold Donald Volk

BACHELOR OF SCIENCE IN ENGINEERING PHYSICS

Candidates—June 6, 1960

Herbert Jerome Bixhorn
Wayne Elbert Carr
Richard Howard Glaenzer
Jimmy Richard Going
Harlan Goldring
Raymond Henry Kloess, Jr.
Jacob Joseph Leventhal
Joseph Leo Michaud
Paul Francis Mizera
Roger Kent Nolting
Gary Clemens Roth
Ernest Guenter Schoening
Conrad August Schwarze

Awarded January 25, 1960

John Gerard Manda

Awarded August 28, 1959

Carl Vincent Myrick

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

Candidates—June 6, 1960

Gordon Lewis Davis
James Robert Gaskill
John Berger Hallquist III
Robert Layne Hood

Awarded January 25, 1960

Donald Powers Meffert

Awarded August 28, 1959

Terry Ronald West

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Candidates—June 6, 1960

Bradley William McKinley Benn
David Mark Cooper
James Gerald Elliot
Harry Gordon Fisher, Jr.
Walter John Huelsman
Richard Lee Huelster
John David Kelley
Dennis Lee Kessler
Ira Howard Levy
Donald Lane Luetje
David Banks McDonald
William Robert McReynolds
Richard Louis Ruesch
Don Milton Schlueter
William Calvin Shores
John Glennon Steinke
Glen Earl Stuckel

Awarded January 25, 1960

Thomas Jay Clark
William Howard Hunsicker, Jr.
Paul Leo Steiner
Frank Robert Vogel

Awarded August 28, 1959

Barney Joe Blockyou
Ronald Melvin Dahman
John Victor Moellenhoff
John William Will
Howard Hubbell Wright

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Candidates—June 6, 1960

Paul Joseph Brauch
Marvin Phillip Breiner
Jeremiah David Bresnahan
Bernard Taylor Brown
George Walter Finch
Ralph Clifford Fisher
Charles Melvin Fleming
Joseph John Heizer
Neal Howard Hunstein
Donald Clay Kirkpatrick
William Wright Korn
Edward Martz
Thomas Francis McDonnell, Jr.
David Wayne Moore
Albert Louis Nelson III
William Henry Owen
Edward George Perkins
John Joseph Rappold
Robert Carl Reinhardt
Frederick Douglas Richmond, A.B.
Harry Joseph Scahill, Jr.
James Richard Schutz
James Patrick Silver
Richard Clede Smith
William Charles Stack
Michael Joseph Vrlenich
Lawrence Michael Walsh
Henry Burt Warner
James Edward Wobbe

Awarded January 25, 1960

Monty Lee Brawley
Charles Robert Canfield
Harry Edward Davis
Donald Joseph Dowling
Stuart Allen Goldman
Donald Blake Heida
David Frederick Helms
John Gerard Manda
Eugene John Meierhoefer
Gaetano Michael Miano
William Adolph Pfeifer
Robert Lawrence Schollenberger
Daniel Coleman Sydow

Awarded August 28, 1959

Richard Earl Browning
James Clyde Claywell
Paul Elmer Jameson
Donald Vincent Lovshe
Frank Anthony Martin
John Raymond O'Brien
Wallace Boyd Wright

BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING

Candidates—June 6, 1960

David George Curry
Ralph Charles Stevens

THE HENRY EDWIN SEVER INSTITUTE OF TECHNOLOGY

The Following Candidates Will Be Presented By
GUSTAV KURT MESMER, PH.D., *Director*

MASTER OF SCIENCE

Candidates—June 6, 1960

IN APPLIED MECHANICS

Raymond Thomas Wagner, B.S.Aero.Engr., University of Kansas

IN CHEMICAL ENGINEERING

James O. Bright, B.S., University of Illinois
Kenneth Gordon Mayhan, B.S.Ch.E., Washington University
Fred Andrew Orr, B.S., University of Illinois
Raymond Oscar Sandberg, B.S.Ch.E., University of Colorado

IN ELECTRICAL ENGINEERING

Jack Fitzer, B.S.E.E., University of Missouri
Naif Diab Salman, B.S.E.E., Washington University
James Carlton Springett, B.S.E.E., Washington University

IN GEOLOGICAL ENGINEERING

Luc Boyer, B.A., University of Ottawa; B.Sc.App., Laval University

IN INDUSTRIAL ENGINEERING

Hyman Eisenberg, B.S.I.E., Washington University
Newton James Gleason, B.S., Northwestern Technological Institute

IN MECHANICAL ENGINEERING

Charles Philips Harris, B.S.M.E., University of Texas
Jan Wolak, B.Sc.Eng., University of London

IN METALLURGICAL ENGINEERING

James Francis Brady, B.S.Ch.E., Washington University
Gene Joseph Carron, B.S.Met.Eng., University of Missouri
School of Mines and Metallurgy
Robert Stuart Goodrich, Jr., B.M.E., University of Delaware
Raymond John Juergens, Jr., B.S.Met.Eng., University of Missouri
School of Mines and Metallurgy

IN SANITARY ENGINEERING

Milton William Lammering, Jr., B.S.C.E., Washington University

Awarded January 25, 1960

IN APPLIED MECHANICS

Donald Baganoff, B.S.A.E., Purdue University
John Calvin Callihan, B.S., Oklahoma A. & M. College

IN ELECTRICAL ENGINEERING

Charles Eugene Baker, B.S., Oklahoma A. & M. College

IN MECHANICAL ENGINEERING

Roger Lee Berger, B.S.M.E., Washington University

Awarded August 28, 1959

IN CHEMICAL ENGINEERING

Otto Ray Kosfeld, B.S.Ch.E., Washington University

IN CIVIL ENGINEERING

Alois George Farkas, B.S.C.E., Washington University

IN ELECTRICAL ENGINEERING

Donald John Steinmeyer, B.S.E.E., Washington University

IN INDUSTRIAL ENGINEERING

George Peter Bauer, B.S.I.E., Washington University

IN MECHANICAL ENGINEERING

William Neal Groves, B.S.M.E., University of Illinois

IN SANITARY ENGINEERING

John Norfleet English, Sr., B.S.C.E., Washington University
William Peter Richards, B.S., Michigan State University
Salustiano Tiangco Tengonciang, Jr., B.S.C.E., University of the Philippines

MASTER OF ENGINEERING ADMINISTRATION

Candidates—June 6, 1960

Donald Hans Bolliger, B.S.E., University of Michigan;
M.S.Ch.E., Washington University
William Leathwood, B.S.M.E., Washington University
Dorris Glenn Leonard, B.S.M.E., University of Missouri
Jeanette Ann Livasy, B.S.Ch.E., University of Missouri;
M. S., St. Louis University
Vytautas Saliamonas, B.S., Hillyer College

DOCTOR OF SCIENCE

Candidates—June 6, 1960

IN CHEMICAL ENGINEERING

Marvin Erwin Gibbs, B.S.Ch.E., Washington University
Title of Thesis: A Shock Tube Study of the Ammonia Decomposition Reaction

David John Heartinger, B.S.Ch.E., Washington University;
M.S., University of Wisconsin
Title of Thesis: Mass Transfer in Falling Liquid Layers

Dan Lavern McIntosh, B.S.Ch.E., Washington University
Title of Thesis: Elastic Effects in the Extrusion of Polymer Solutions

John Christian Porter, B.S.Ch.E., Washington University
Title of Thesis: Surface Activation of Polyethylene by Electric Discharge

Theodore Goodwin Smith, B.E.S., Johns Hopkins University; M.S.Engr., ibid.
Title of Thesis: Development of a Rheometer for Molten Polymers

IN ELECTRICAL ENGINEERING

Lloyd Robert Brown, A.B., Missouri Valley College; B.S.E.E., University of Missouri;
M.S.E.E., Washington University
Title of Thesis: Automatic Drift Compensating Two-Axis Gyroscope

Herbert Arnhold Crosby, B.S.E.E., Washington University; M.S.E.E., ibid.
Title of Thesis: An Analysis of Sampled Data Systems with Delayed Switching

IN MECHANICAL ENGINEERING

Barry Lucas Reeves, B.S.M.E., Washington University; M.S.M.E., ibid.
Title of Thesis: On a Particular Class of Similar Solutions of the Equations of
Motion and Energy of a Viscous Fluid

IN SANITARY ENGINEERING

Sotirios Gregoire Grigoropoulos, Ch.E. Diploma, National Technical University of
Athens; M.S.Ch.E., Washington University
Title of Thesis: The Effect of Chlorine and Chlorine Dioxide on Certain Taste
and Odor Causing Substances in Water Supplies

THE SCHOOL OF ARCHITECTURE

The Following Candidates Will Be Presented By
JOSEPH RUSSELL PASSONNEAU, B.Arch., M.S.C.E., *Dean*

BACHELOR OF SCIENCE IN ARCHITECTURAL SCIENCES

Candidates—June 6, 1960

George Riddle Bradbury, Jr.
William Allen Bushdiecker
Gustave Dominic Degardin
Gerard Gregory Gilmore
Robert Martin Harris
Ronald Lloyd Hollander
Robert Walter Johnson
Eugene Joseph Mackey III
Gaylord Evan Richardson
William Harold Schwend

BACHELOR OF ARCHITECTURE

Candidates—June 6, 1960

Bernard Bortnick
Jamie Goodman Cannon
Carl Edward Day
Wayne Wilbur Enderling
Ransom Ford, Jr.
Gerard Gregory Gilmore
Kenneth Hubert Hanser
James Ronald Henrekin
Archibald Hendren Hosier, Jr.
Ed Jordan Johnson
Jerry Lee Martin
Hubert Shelby Pruett, Jr., B.A.
Gaylord Evan Richardson
Robert Gordon Sarnoff
Eugene Michon Sewell
Raymond Edward Skubiz, B.S.Arch.E.
Lawrence Harold Smith
Ital Robert Véron
Robert Lee Vickery, Jr., B.J.

Awarded January 25, 1960

Don Lee Brandenburger
Robert Lee Gerst
Peter Leontsinis

Awarded August 28, 1959

Richard Charles Herman
John Edgar Koch

THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

The Following Candidates Will Be Presented By
ROSS MYRON TRUMP, PH.D., *Dean*

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Candidates—June 6, 1960

Joseph Howard Avery, Jr.
William Dressel Banks
Keith John Charles Barbero
Larry Dean Beese
Robert Edward Beitel
Irvin Bernstein
Oliver Alexander Berwin, Jr.
Ronald Charles Bird
John Louis Boeger
Elliott Hirsch Brilliant
Robert Murray Burdeau
James Edgar Burke
Jeff Darrell Burton
William Denzil Campbell, Jr.
Lawrence Sai Lun Ching
Jordan Allen Cohen
Ronald Clinton Cullman
Herbert Samuel Dawidoff
Aaron Seth Dennis
Bill Charles Downs
John Dee Duvic
William John Eckert
William Charles Ellersick
Warren Harvey Fine
Thomas Earl Fitzgibbons, Jr.
Norman Frager
William Marshall Friedman
Parker Woods Fritschle
Herbert Marshal Gallop
Ronald George Garfinkle
Stephen Lee Gellman
Ronald Gorman
Richard Bruce Grebe
David Arthur Harding
Marydel Harrison
Jimmie Carl Hopper
Victor Marvin Koenig
Robert Henry Kratz
Colman Harry Kraus
Arvin Stuart Kreitman
Carol Ann Kring
Beverly Loyce Leimer
Stephen Bange Lentz
Robert Levitt
Mary Helen Ligon
Irvin Norton Lippel
Jerome Bernard Marchbein
Arthur Mayer, Jr.
John Edward McBride
Joseph Charles Mitchell
Marshall Neil Myers
Joseph Frederick Odgers
Dennis Emil Ottolini
Robert Martin Paskal
Ronald Dale Prasse
Donald James Rascher
James Cortland Roan, Jr.
Joseph Samuel Rosenthal
James Clement Rosner
Susan Eleanor Schneider
James Michael Searles
Donald Charles Siekmann
Walter Witler Speekmann
Samuel Warren Stein
Ronald Wesley Taryle
David Frank Ward
Harvey Morton Weiss
James Grant Weston
Barry James White
Harold Lee Whitfield
Jack Hirsch Wolf

Awarded January 25, 1960

William Allan Ballard
Richard Carl Drexler
Robert Watson Glenn
Robert Charles Nemec
Robert Orville Piening
Terry Dale Shaffer
Carl Holmes Stopp
William Arthur Sullins, Jr.
Norbert Carl Terre
Frank James Williams, Jr.

Awarded August 28, 1959

William Henry Bartley II
Harry Gerald Bishop
Richard James Brintnall
Marilyn Janice Chapnick
Jeremiah Grosh Crise
Jay Fred Dubinsky
Joan Margaret Evrard
Lester David Goldberg
Stanley Paul Goldberg
Charles Thomas Holley
Robert Tinsley Hutcherson
George David Kelce
Frederick Casper Kirby
Robert Charles Morie
David Ervin Ober
James Donald Reynolds
Robert John Robinson
Raymon Sauer
Richard Park Whitton
John Robert Woods
Joel Irwin Zeffren

BACHELOR OF SCIENCE IN RETAILING

Candidates—June 6, 1960

Rochelle Ann Albert
Christine Marie Caso
Marcia Sue Elliott
Harvey Kolman Emert
Sally Ann Guenther
Diana Cecily Levick
Marilyn Mae Mueller
Allan Padratzik
Velda Mae Primas
Nancy Joan Smith
Martha Jane Sornson

MASTER OF BUSINESS ADMINISTRATION

Candidates—June 6, 1960

Wilmont Gene Adams, B.S.M.E., Purdue University
Leslie Glenn Backstrom, B.S., University of Idaho
Charles Edgar Baker, Jr., A.B., Washington University; M.A.Ed., ibid.
Martha Bell Beggs, B.S.B.A., Washington University
Charles Edward Boersig, Jr., B.S.B.A., Washington University; B.S.Ret., ibid.
William Waggoner Bryan, B.A., Swarthmore College
John Nettleton Chapin, Jr., B.S.B.A., Washington University
Francis Woody Cheatham, B.S., University of Illinois
Francis Roger Clark, A.B., Washington University
Vincent Blaise D'Antoni, B.B.A., Tulane University
Neal Todd Dohr, B.S.B.A., Washington University
James Elmer Gaebler, B.S.B.A., University of Missiouri
Richea Kaye Brown Gaston, B.B.A., The University of Texas
Gail Henry Grossenbacher, B.S.B.A., Washington University
Manuel Stanley Krupsaw, B.S.A.T., Purdue University
Paul Everett Legan, B.S.E.E., Washington University; A.B., ibid.
Thomas Francis Mooney, B.S.Ch.E., University of Notre Dame
Philip Henry Plack, M.E., Stevens Institute of Technology
William Howard Posegate, B.S.B.A., Northwestern University
Donald Wearen Smith, B.S.E.E., Washington University

James Edward Sprick, B.S.B.A., Washington University
George Wilson Strohl, B.S.M.E., Lehigh University
Robert Leigh Virgil, Jr., B.A., Beloit College
Lawrence Dean Vitt, B.S.M.E., Valparaiso University
Alexander Jules Weissenborn, B.S.B.A., Washington University
Claude Henriet Zwart, Jr., B.S.B.A., Washington University

Awarded January 25, 1960

Richard Henry Bauer, B.S.Ch.E., University of Missouri School of Mines and Metallurgy
Donald Robert Davis, B.S.E.E., Washington University
Bergis Neel Day, Jr., B.S.B.A., Washington University
Jon Reed Greene, B.S.E.E., University of Colorado; B.S.Bus., ibid.
Stephan Hardy Haeckel, B.S.I.E., Washington University
Roy Andrew Ruffner, B.A., Westminster College
Paul Edward Slaten, B.S., Illinois Wesleyan University
Emery Carl Turner, B.A., Central Missouri State College
Richard Ralph Weeks, B.S., University of Illinois
Orville Carl Young, B.S.E.E., University of Missouri School of Mines and Metallurgy
Robert George Zwart, B.S.M.E., Washington University

MASTER OF SCIENCE IN ACCOUNTING

Candidates—June 6, 1960

Frank Kataru Miyauchi, B.S.B.A., Washington University
John Ruben Woodson, B.S.B.A., Washington University

MASTER OF SCIENCE IN BUSINESS ADMINISTRATION

Candidates—June 6, 1960

Ralph Clarence Manring, B.S., University of Illinois
Richard William Murray, B.S.E.E., University of Missouri School of Mines and Metallurgy
Robert Lee Old, A.B., Washington University
Fred August Rauch, Jr., B.S.M.E., University of Missouri
Melvin Norton Reiss, B.S.Ch.E., Washington University

Awarded January 25, 1960

Kyu Sam Kim, B.A., Chosun Christian College

UNIVERSITY COLLEGE

The Following Candidates Will Be Presented By
EARNEST SILAS BRANDENBURG, PH.D., *Dean*

BACHELOR OF SCIENCE

Candidates—June 6, 1960

Juanita Maris Atchison
William Stanley Badgley
Eugene Edward Baebler
Alan Crawford Barker
Albert Henry Behnke
George Wilfred Bilger
William Bilyk, Jr.
Paul Edward Boulch
Charles Lowell Bourneuf
Frank John Caimi
Calvin Herman Clawitter
Jesse Price Cole, Jr.
Richard Ellis Davies
Donald Eugene Deuser
Gladys Rovene Eastwood
Maurice Valentine Foley
Rolla Joseph Geno, Jr.
George Valentine Goggio
Gene Sanford Goodsell, Sr.
Garrett Randall Graham, Jr.
Howard M. Greer
James Orville Groce, Jr.
Jack Grossman
Henry Guimbarda
Richard Arthur Hanebrink
Hord Hardin II
Wayne Davis Harriss
Charles Stancell Hennessee
Reynold George Hieber
James Michael Holloran
James Richard Jones
Donald Edmund Kaimann
William Louis Keim
Clarence Mathew Klotz, Jr.
Frances Kreitman
Hans Walter Kuntze
Walter Arthur Learmont
Marvin George Lilienkamp
Grace Edith Loveless
David Richardson Mars
Kathleen Booth McEwen
David Brent McFarland
Gary Wade McKinney
Kenneth Gail Merkel
Lon Wayne Moore
Lawrence Moser
Ralph Earl Penny
James Sterling Pope
Richard Cumming Prosser
Henry Lester Pujol
Max John Radloff, Jr.
James Kennard Schatz
Ralph William Schibig
Richard Paul Schild
Hanna E. Schroeder
Harley Erwin Schwering
John Nassir Shalhoob
Timothy Doyle Sheahan
Robert Weldon Shrader
Paul Vincent Sparling
William Howard Spratley
Richard Allan Stumpe
Vernon Lee Tipton
Harry James Truesdell, Jr.
John Francis Tullock
Anthony Joseph Vaccaro
Donald Francis Ware
David Allen Williams
Donald Arthur Wolken
Philip George Ziegenfuss

Awarded January 25, 1960

John David Anderson
George Arfaras
Alfred Bromet
Frank Thomas Farin
Franz Gajo
Horace Harry Gibson
Lee Roy Griggs
David Lee Hoffman
Frank Vincent Igo, Jr.
Robert Lewis Johnson
Francis Patrick Lee, Jr.
Bill Leon
Jim Dale Martin
Michael John Pratl
William Eugene Raymond
Robert Alton Redfern
Muriel Genevieve Reed
Richard Francis Rudowicz
Harold Frederick Rutter
John Patrick Saunders
James Thomas Shea
Myrle Ruth Sturmfels
Robert Wayne Waite
Robert Shirley Waller

Awarded August 28, 1959

Joseph Gerald Arnoldi
Donald Wayne Brockman
Wallace Leo Carriker
Robert Andrew Gairns
Joseph Raymond Galaske
James E. Hanlon, Jr.
David Lawrence Hewitt
John Roger Lemen
Peter William Perry
Richard William Simmers
Paul Lawrence Tucker
Peter Van Note III
Frederick Joseph Weinrich

BACHELOR OF SCIENCE IN EDUCATION

Candidates—June 6, 1960

Gretchen Haesly Alexander
Linda Seasongood Aloe
Velma Saylor Bischoff
Ruby Lee Black
Dorotha May Blank
Esther Sharon Bryan
Beatrice Ann Burns
Joan Riedel Dailey
Beulah Irene Davis
Carol Elaine Feldman
Marilyn Irene Garrett
Kathryn Gourley Gladney
Lois Arkes Hammer
Helen Marie Henon
Doris Amelia Hoffman
Elizabeth Ann Hopson
Genevieve Ganahl Huck
Evelyn Dalton Jones
Clarice Larry
Katherine Margaret Leming
Helen Haw Lum
Marvin Henry McLane
Jean Trent Murray
Georgina Reich Novotny
Nellie Wallis Queen
Jayne Gottlieb Rosen
Irene McLean Ross
Evelyn Salky
Averil Marie Schrader
Ellis Smith
Barbara Ann Thompson
Norma Ruth Zapf

Awarded January 25, 1960

Robert William Essex III
Marilyn Maxine Foster
Barbara Davis Huffstot
Rosetta Humphreys Lingle
Alice Marie Rulon
Veronica Brown Schutt
Robert Barry Smith
Donna Irene Vandiver

Awarded August 28, 1959

Helen Marguerite Adams
Shirley Branstetter Anderson
Joe Anne Berkel
Margaret Elizabeth Best
Juanita Olga Braun
Daisy Nelson DeBoard
Thelma Bradley Denton
Ella Pierson Gault
William Gerdemann
Patricia Anne Gruetzemacher
Gladys Pope Michener
Patricia Parker Midyett
Alice Vernile Nichols
Maxine Elizabeth Parrott
Rolland Leroy Perry
Verna Alberta Rickman
Evelyn Johnson Robinson
Emil C. Roth
Marina LoBuono Rouse
Milton Saul Rudy
Ola L. Sinclair
Ronald George Tenney
Roy Louis Thompson
Margarita Perrier Whitener
Clara Jeannetta Williams
Walter Andrew Wisniewski

THE SCHOOL OF FINE ARTS

The Following Candidates Will Be Presented By
KENNETH EUGENE HUDSON, B.F.A., *Dean*

BACHELOR OF FINE ARTS

Candidates—June 6, 1960

John Temple Adams
Nancy Ellen Baldwin
Marilynne Gail Gersten Bradley
Sharon Lynn Brouhard
Gerald Durwood Byerley
Agnes Williams Crowley
Pearl Bonnell Drews
Minerva Wharton Durham
Stanley Herbert Gellman
Susan Kimble Gruetzemacher
Sally Elizabeth Hasting
William Charles Hogan
Sarah Simone Irving
Henry Prescott James
Oliver Johnson
Gabriele Knecht
Rhoda Lee Kottler
Anne LaMonte
Frances Elaine Levin
John George Long, Jr.
Dorothea Diana Magos
Virgil Morris Mantle
Lois Jane Masterson
Robert Orval McDowell
Lenore Rose McQuillan
Lenard Allen Meyer
Margaret Ann Miller
Richard Paul Miller
Marilyn Sue Olsen
Anita Joan Roth
Jay Rothman
Robert Warren Runnels
Jean Elizabeth Seiling
Mary Alice Shepherd
Sharon Lee Short
Tilford Leo Smith, Jr.
William Ray Stinger
Barbara Ann Tunze
Michael Norton Welch
Marvin Edward Works
Marilyn Jane Worthen
Gilbert Zeffren

Awarded August 28, 1959

Nancy Kay Robards
George Eugene Rose
Raymond William Lavin

THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK

The Following Candidates Will Be Presented By
WILLIAM EDWIN GORDON, PH.D., *Professor of Research in Social Work*

MASTER OF SOCIAL WORK

Candidates—June 6, 1960

Jerald Ray Alpert, B.S., George Williams College
Mohammad Shareef Ashraf, M.A., University of the Panjab
Lloyd Ashby Ball, B.A., Hamline University
Edith Cann Bassett, A.B., Washington University
Ruth Bentley, A.B., Smith College
Paul Andrew Boe, A.B., St. Olaf College; C.T., Luther Theological Seminary
Bernice Jean Collins, B.A., Park College
Byron Dwight Cook, B.A., Seattle Pacific College
David Lee Cronin, B.S., St. Louis University
Melvin Sylvester Manson Crouther, Jr., B.S., Lincoln University
Donna Mae Frances Danielson, B.A., Gustavus Adolphus College
Ed Julian Downey, A.B., University of Missouri
Gerald Louis Euster, A.B., Ohio University
Evelyn June Ewing, A.B., National College
Virginia Scherrer Feuerbacher, B.S., St. Louis University
Gerald Folkerts, A.B., Calvin College
Sharon Carole Graham, A.B., Washington University
Winifred Judith Toepfer Gross, B.A., Brandeis University
Elizabeth Morgan Hendricks, B.S., University of Illinois
Calvin Kui Choy Ho, B.A., University of Hawaii
Everette William Hubbell, A.B., Washington University
Alice Julia Jordan, B.A., Howard University
Kenneth Leroy Klingerman, B.A., University of Pennsylvania;
B.D., Eden Theological Seminary
Janet Lucille Klusak, B.S., Schauffler College
Jean Margaret Leotta, B.S.S.W., Washington University
Mukhtar Alam Malik, B.A., University of the Panjab; M.A., ibid.
Janet Rae McKee, A.B., Western College
Ottilie Christina Means, B.S., St. Louis University
Robert William Michler, B.S., University of Wisconsin
Wilbur Dreher Muller, B.A., Albright College
William Kenny Murphy, B.S., Bradley University
Karl William Noltemeier, B.A., North Central College;
B.D., Evangelical Theological Seminary
Joann Corrinne Olander, A.B., Augustana College
Thomas Fredric Olson, B.S., University of Wisconsin
Leon Paul Pipho, B.A., State University of Iowa
William Wayne Powell, B.S., Bradley University
Laura Root, A.B., University of Rochester; A.M., ibid.
Joseph Herbert Rulo, A.B., University of Missouri
Thomas James Ruoff, B.S., St. Louis University
Philip Dale Rushing, B.A., Southern Illinois University
Amabella de Leon Santiago, E.T.C., The National Teachers College;
B.S.E., Manuel L. Quezon Educational Institution
Joseph Hill Stanley, A.B., University of Illinois
Barbara Ann Sumner, A.B., University of Illinois
Mary Ann Thieret, A.B.Ed., Harris Teachers College
Lee Willard Tyler, A.B., Heidelberg College; B.D., Eden Theological Seminary
Ann Marie Waldvogel, A.B., Wheaton College
Bettye Jean Walker, A.B., University of Illinois
Keith Lynn Williams, B.S., Bradley University

DOCTOR OF SOCIAL WORK

Candidate—June 6, 1960

Ronald Hirotoshi Ozaki, B.A., University of Hawaii; M.S.W., Washington University
Title of Thesis: A Study of Certain Maternal Attitudes Influencing Mothers' Availability to Pupil Welfare Workers

THE SCHOOL OF LAW

The Following Candidates Will Be Presented By
HIRAM HENRY LESAR, A.B., J.S.D., *Dean*

BACHELOR OF LAWS

Candidates—June 6, 1960

Thomas Merritt Adams, A.B.
Jerald Mark Alton, A.B.
Millard Merl Backerman
Byron Neff Baker, A.B.
Gerald Julian Bamberger, A.B.
Michael Berger, A.B.
Harold Geller Blatt, B.S.B.A.
Patrick Otto Boyle, B.S.B.A.
Joe Bill Carter, A.B.
James Ethan Chervitz, B.S.B.A.
Herbert Samuel Dawidoff, B.S.B.A.
Thomas Jeffrey Deakin, A.B.
Ben Ely, A.B.
Morton Peter Fischer, B.A.
Sanford Goffstein, B.S.B.A.
Donald Lawrence Gunnels, A.B.
David Noel Heise
Stephen Michael Hereford
Donald Ross James, A.B.
Martin Edward Juncker, A.B.
Amirik Kachigian, A.B.
Jerome Irving Kaskowitz, A.B.
Stuart Irwin Kaufman, A.B.
Joseph Herbert Landon, B.S.
Barry Jacob Levine, A.B.
Martin Max Lipsitz, A.B.
Joseph Allen Lott
Robert Arnold Mills, B.S.
Gary Jay Morris, A.B.
George Andrew Morrison, A.B.
Stanley Babson Pleninger, A.B.
Darwin Lee Portman, A.B.
Corinne Louise Richardson, A.B.
Charles Wallace Riley, A.B.
James Cortland Roan, Jr., B.S.B.A
John Peter Schmitz, B.A.
Burton Harold Shostak, A.B.
Tom Michael Singer, A.B.
Charles Byram Thies, A.B.
Gerald Tockman, A.B.
Robert Crum Walbaum, B.S.
Richard John Weidert, Jr., A.B.
Eugene Barry Weisman, B.S.B.A.
Edward Lee Welch, B.S.C.
Howard Allen Wittner, A.B.
Larry Lee Zahnd, A.B.
Allan H. Zerman, A.B.

Awarded January 25, 1960

Jack Raymond Charter, A.B.
Samuel Charles Ebling, A.B.
James Paul Lindeman
Arthur Tadashi Murakami, A.B.
Thomas Hall Pearson, A.B.

Awarded August 28, 1959

Paul Robert Ferber, B.S.B.A.

THE SCHOOL OF DENTISTRY

The Following Candidates Will Be Presented By
LEROY ROBB BOLING, PH.D., *Dean*

MASTER OF SCIENCE IN ORTHODONTICS

Candidates—June 6, 1960

Leonard Arthur Bloom, D.D.S.
Larson Russell Keso, B.S., D.D.S.
Jack Richard Martin, D.D.S.
Mark Jay Mayeau, B.A., D.D.S.
James Jameson McIntosh, D.D.S.
Leo Stifel Shanley, D.D.S.
Fay Orion Wardlaw, D.D.S.

DOCTOR OF DENTAL SURGERY

Candidates—June 6, 1960

Kay Monte Blatter
Lynn Arden Blatter, B.S.
Harold Dean Bowles, B.S.
Donald Paul Buercklin
Duane Elmer Christian, *cum laude*
Eugene Curtiss Crosslin, B.S.
Odell B. Cutler, B.S.
Robert Jones Douglas
William Douglas Durbin
Jack J. Ellis
Allen Smith Farnsworth
Mervyn Bennion Gardner, B.S.
John Franklin Griffee, B.A.
Ervin Wilfred Harder, A.B.
Cedric Lee Hayden, B.S.
Wesley Rushton Hiltbrand, B.S., *cum laude*
Kenneth James Hogan, B.S.
Samuel Price Holmes, A.B.
Gerald Lewis Howell
Richard La Mar Jensen, *cum laude*
Oscar Eve Jones, A.B.
John Newton Keethler
Morton Louis Klebe
James Page Knott, A.B.
Shepard Kokin
Bruce Alan Lund, B.S.
Marshall Stanley Manne, A.B.
Robert James McCune
Elden Hugh Mecham
Frank Oviatt Raney, Jr.
Glenn Ramon Reynolds
Robert DeLee Roberts
Lynn Erle Robertson
Harry Lee Ryburn, *cum laude*
Godfrey Wilson Schroeder, A.B.
Robert Harold Shidler
Ivan Leon Shiflet
Franklin Heiner Smith, *cum laude*
Kent VanDell Sorensen
Donald Lee Steed
Stanley Seth Stegmiller, A.B.
Donald William Turner
Kenji Uejo, M.S.Ed.
Roland Pearse Wheelwright

THE SCHOOL OF MEDICINE

The Following Candidates Will Be Presented By
EDWARD WHEELER DEMPSEY, PH.D., SC.D., *Dean*

BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY

Candidates—June 6, 1960

Barbara Ann Breazeale
Mary Ellen Coons
Lynda Lue Haines
Synda Sue Haines
Norma Derith Kaplow
Eileen Shirley Knobel
Nancy Catherine Somogyi
Jeanette Lucille Stockett
Nancy Parsons Stoutz

Awarded August 28, 1959

Jeannette Clara Conrad

BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Candidates—June 6, 1960

Dale Thomason Adams
Judith Ann Adler
Beverly Jean Baptist
Jacquelyn Frances Dahm
Louise Marie Di Benedetto
Cynthia Gilbert Dorn
Wilma Lee Gast
Patsy Page Newton
Virginia Ann Tilton
Mary Patricia Weinberg

MASTER OF HOSPITAL ADMINISTRATION

Candidates—June 6, 1960

George Richard Banjak, B.S., B.A.
Robert Dean Blincow, B.A.
Richard Allan Bogg, B.B.A.
Roy Ralph Creech, Jr., B.S.
Donald Hess Dinger, B.S.
John Walter Hankins, B.A.
Kenneth Gillman Hawthorne, B.S.
Duane Talbott Houtz, B.S.
Marshal Glyn Maggard, B.S.
Cecil Eugene Melville, B.S.
Pierre Luis Mercier, B.A., M.D.
Donald Edward Nelson, B.A.
John William Rice, B.S.
Vincent Augustine Schneider, Jr., B.S.

DOCTOR OF MEDICINE

Candidates—June 6, 1960

Mark Abramowicz, A.B.
Maurice Sidney Anderson, B.A.
Clay Margrave Armstrong, B.A.
Paul William Black, A.B.
Floyd Elliott Bloom, B.A., *cum laude*
Charles William Boren, A.B.
Dick Dowling Briggs, Jr., B.S.
Joseph David Bybee, B.A.
Paula Limberg Clayton, B.S.
Lee Herschel Cooperman, B.S.
William Paul Dismukes, Jr., B.A.
Henry Denny Donnell, Jr., B.A.
Joseph William Eades, A.B.
Alan Eugene Eberstein, B.A.
Robert Wallace Edmonds, A.B.
Leonard August Fahien, A.B.
Myron Ellis Fahrenwald, A.B.
Robert Eugene Fechner, B.A.
Richard Sidney Felkner
Lyman Babcock Fogg, A.B.
Edgar Gilmore Givhan, B.A.
Aaron Glick, B.Sc.
Robert Stephen Goell, A.B., A.M.
William Burl Grubb, Jr.
David Todd Hammond, A.B., *cum laude*
Ben Calvin Harmon, B.A., *cum laude*
George Paul Hoech, Jr., B.A.
Edward Kurz Jackson, B.S.
James Franklin Jekel, B.A.
Floyd George Johnson, A.B.
Gary Ronald Jystad, B.A.
Ronald Kenneth Kalkhoff, B.A.
Calvin Chock Ming Kam, A.B.
Leo Arman Keoshian, A.B.
John Arthur Kreager, Jr., A.B.
Samuel Landau, A.B.
Alan William Livingston, B.S.
Marvin Glen Mayo, A.B.
Thomas John McGonagle, A.B.
William Sherman Medart, Jr., A.B., *with Special Honors in the Field of Pathology*
Gordon Roth Miller, B.S.
Louis Howard Miller, A.B.
Richard Taylor Moore
Karl Hugo Muench, A.B., *magna cum laude*
Ross Gustav Olson, B.A.
Lily Farley Palmer, B.S.
John Henry Payne, B.S.
Eric Armin Pfeiffer, A.B., *cum laude*
Harry Edward Reynolds, B.A.
Raymond Gregg Richardson
Peter Rosen, A.B.
David Leon Rosenbaum, A.B.
Carl John Rosenquist, B.A.
Martin L. Rubenberg, A.B., *with Special Honors in the Field of Physiology*
Laurence Edward Rubin, A.B.
Donald Carl Sauer, A.B.
Eugene Joe Sayfie, A.B.
Herbert Howard Schaumburg, A.B.
John Sigmund Schoentag, A.B.
Gustav Schonfeld, A.B.
Russell Carter Scott, A.B.
David Sutton Shelmire, B.A.
Eli Ronald Shuter, A.B., *cum laude*
Cynthia Korb Silbert, B.S.
Ronald Charles Simons, A.B.
David King Sirota, A.B.
Joseph Andrew Sisson, A.B., *cum laude*
Jerome Donley Skaggs, A.B.
Ridge Michael Sly, A.B.
Julius Steve Smith
Gilbert Selwyn Stacy, B.A., M.A.
Barry W. Steiger
Lawrence Sheldon Steinberg, A.B.
Richard Loren Taylor, B.A., M.S.
Boyd Earl Terry, B.S.
Carolyn White Terry, A.B., *cum laude*
Hillel Tobias, A.B.
Winston Andrew Tustison, B.A., *cum laude*
Joe Roy Utley, B.A.
Richard Gerald Voss, B.A.
Phillip Emil Winter, B.A.
Donald Elliott Wishnow
Raymond Dean Wochner, A.B., *cum laude*
Edward Martin Wolfe, B.A.
Gabriel Stanley Zatlin, B.S.

THE SCHOOL OF NURSING

The Following Candidates Will Be Presented By
LOUISE KNAPP, R.N., A.M., *Director*

BACHELOR OF SCIENCE IN NURSING

Candidates—June 6, 1960

Mary Mercedes Castles
Sarah Elizabeth Finfrock
Marjorie Ann Hillman
Mary Jane Learmont
Elsie Viatula Richey
Bernice Helen Schuchardt
Kathryn Jane Sommer
Gloria Jane Sparks Stanley

Awarded January 25, 1960

Barbara Ann Bradshaw
Edna Todd Heitgerd
Carol Elaine Leenerts Rossel
Ruth Elaine Wilson

Awarded August 28, 1959

Lorraine Ernestine Cole
Doyle Leola Dorn
Audrey Jean Gasparovic
Elizabeth Hayes
Corinne Currier Justice
Helen Hofman Laney
Lucille Hudlin Ross

MASTER OF SCIENCE IN NURSING

Candidates—June 6, 1960

Joy Euphemia Beck, B.S.
Mary Hawkins Collins, B.S.
Doris Maxine Edwards, B.S.
Virginia Francis, B.S.
Kathryn R. Geile, B.S.
Carol Louise Grimm, B.S.
Shirley Louise Holstein, B.S.
Edith Joan Kopiecki, B.S.
Carol Jeanne Kroeger, B.S.
Jacqueline Edith Lewis, B.S.
Gloria L. Pierce, B.S.
Gladys Sayles, B.S.
Mary Marguerite Spelman, B.S.
Judith Marice Thrane, B.S.
Edith Webb Wilburn, B.S.

Awarded January 25, 1960

Melba Leichsenring, B.S.

Awarded August 28, 1959

Ella Bolden Brown
Barbara Helen Strange

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

The Following Candidates Will Be Presented By
LEWIS EDWIN HAHN, PH.D., *Dean*

MASTER OF ARTS

Candidates—June 6, 1960

IN ART AND ARCHAEOLOGY
Gunsel Alpsoy Renda, A.B., Barnard College

IN BOTANY
Erna Rice Eisendrath, B.A., Bryn Mawr College

IN CHEMISTRY
Robert Norton Sanders, B.S., Shurtleff College
Gloria Forinas Torralba, B.S.Ind.Tech., University of Santo Tomas

IN ENGLISH
James Francis Barbour, B.A., Concordia Theological Seminary
George Franklin Halterman, A.B., Washington University

IN FRENCH
Louise Winifred Griffin, A.B.Ed., Harris Teachers College

IN GEOLOGY
Thawisak Danusawad, B.S.C.E., Chulalongkorn University
Thomas Morgan Ellis, Jr., B.S., Centenary College of Louisiana
Marion Shelor Gravely, Jr., B.A., University of Virginia

IN GERMAN
George Loening Hickenlooper, B.S. in F.S., Georgetown University

IN HISTORY
Mary Lou Taylor, B.S.Ed., Southern Illinois University

IN OTOLARYNGOLOGY
Pedro Luiz Mangabeira-Albernaz, M.D., Escola Paulista de Medicina

IN POLITICAL SCIENCE
Lattie Finch Coor, Jr., B.A., Arizona State College
Madeira Hall Williams, A.B.Ed., Harris Teachers College

IN SPANISH
Jacqueline Virginia Lone, A.B., University of Missouri

IN ZOOLOGY
Mohammed Mahmood Sayeed, B.Sc., Osmania University
Katrina Moore Smathers, B.A., Wellesley College

Awarded January 25, 1960

IN BOTANY
Donald Frisch, A.B., Rutgers University
Howard William Pfeifer, A.B., State University of Iowa

IN ECONOMICS
Robert John Fiesler, B.S., Missouri Valley College

IN EDUCATION
Winnie Jennings Bridgeman, B.S.S.W., Washington University
Theodore Carl Wimmler, B.S., University of Wisconsin; B.D.,
Eden Theological Seminary

IN GEOLOGY
Miles Oren Hayes, A.B., Berea College
Roy Kenneth Warren, B.S.Geol.Engr., Washington University

IN MATHEMATICS
Roy Lee McCormick, A.B., Wabash College

IN PHYSICS

Richard LeRoy English, B.S., Yale University
Robert Henry Flake, B.S.Engr.Phys., Washington University

IN POLITICAL SCIENCE

Huey Carl Camp, B.S.Bus. and Comm., Southern State College
Carl Kenneth Prewitt, B.A., Southern Methodist University

IN PSYCHOLOGY

Ann Wilson Brown, A.B., Washington University

Awarded August 28, 1959

IN ART AND ARCHAEOLOGY

Sarah Cushing Faunce, B.A., Wellesley College

IN CHEMISTRY

Donald William Schmulling, B.S., University of Missouri

IN EDUCATION

Thelma Every Clark, B.S., Shurtleff College

IN ENGLISH

Ardyth Houck Bradley, B.A., Oklahoma Agricultural and Mechanical College
Robert Murdoch, B.Th., Northern Baptist Theological Seminary; B.A., Shurtleff College
George Andrew Wolff, A.B., Washington University

IN GEOLOGY

Richard Douglas Rechtien, B.S.Geol.Eng., Washington University

IN HISTORY; GENERAL LITERATURE

Beatrice June Brown, A.B., Washington University

IN MUSIC EDUCATION

Richard Arthur Wolter, B.S.Ed., University of Missouri
John Walter Young, A.B., Washington University

IN PATHOLOGY

Leonard Nathan Newmark, A.B., Washington University

IN PHYSICS

Paul Aikin Smith, B.A., Park College

IN POLITICAL SCIENCE

Dean DeMotte Larrick, B.A., Park College

IN PSYCHOLOGY

James Anthony Ciarlo, A.B., University of Illinois

IN SOCIOLOGY-ANTHROPOLOGY

Muriel Weinstein Sterne, A.B., Hunter College

MASTER OF ARTS IN EDUCATION

Candidates—June 6, 1960

IN EDUCATION

Robert Lee Campbell, A.B., Westminster College
Frederick Hamilton Chetlain, Ph.B., Yale University; J.D., Northwestern University
Robert Brooks Clipner, A.B., Westminster College
Arline Gay Harris, A.B., Washington University
Thomas Beaumont King, B.S.B.A., Washington University
William Preston McDaniel, A.B.Ed., Harris Teachers College
Alice Marie Parham, A.B., Kentucky State College
Carl Estes Pitts, B.S.Ed., Washington University
Mabelle Evelyn Roskam, A.B., McPherson College
John Edward Sacks, A.B., Washington University
Gene Elwyn Schultze, A.B., Washington University
Jean Wilson Sheppard, A.B., Ohio University
Katherine Helen Walton, B.A., Wellesley College

IN EDUCATION; SCIENCE EDUCATION

Deloris Coy Boecklen, B.S.B.A., Washington University

IN EDUCATION; SPANISH

Patricia Joan Eoff, A.B., Washington University

IN MUSIC EDUCATION

Marie Ione Harttman, B.S.M., Webster College
Louise Mahaffy Stanick, B.M., St. Louis Institute of Music

IN SCIENCE EDUCATION

Nettie Elizabeth Cook-Dove, B.S., Florida Agricultural and Mechanical University
Hoyt Dean Duncan, B.S.Ed., Southeastern State College
Harry Haskins Heckethorn, Jr., A.B., McPherson College
LeRoy Janies, B.S., Louisiana College
Norbert Joseph Karpfinger, B.A., St. Mary's University of San Antonio
Karl Kerber, B.S., Western Michigan University
Patricia Audrey Kilbert, B.S.Ed., State Teachers College
Leonard Hjalmer Kochendorfer, B.S., Concordia Teachers College
Lester Lewis Leaton, B.S.Ed., Central Missouri State College
Bob Ray Scott, B.S.Ed., University of Missouri

Awarded January 25, 1960

IN EDUCATION

Estil Lynn Ellis, B.S.Ed., Washington University
Lovell Joseph Ferguson, B.S.Ed., Washington University
Carolyn Susan Hartmann, B.A.Ed., University of Arizona
Myron August Marty, B.S.Ed., Concordia Teachers College
Raymond John Sacks, B.S.Ed., Washington University
Vinita Helen Stevens, A.B., Washington University

IN ENGLISH; EDUCATION

David Weinstock, A.B., Washington University

IN GEOLOGY; EDUCATION

Dan Allen Sullivan, Jr., A.B., Northwestern University

IN SCIENCE EDUCATION

Robert Franklin Kimberlin, B.S., Eureka College

Awarded August 28, 1959

IN EDUCATION

Rose Adams, B.A., The Principia; B.Mus., St. Louis Institute of Music
Jean Audrey Mae Brock, B.S., University of Illinois
Ruey Tedlock Brooks, A.B.Ed., Harris Teachers College
Richard Dee Carter, B.S.Ed., Washington University
Glenda Maude Cobb, B.S.Ed., Southeast Missouri State College
Melvin Nathaniel Conley, B.S., Bishop College
Chester Arthur Crabtree, B.S.Ed., Southwest Missouri State College
Malissia Bradford Craig, A.B., Randolph-Macon Woman's College
Dorothy Neilson Derry, A.B., Smith College
Ronald Erwin Diederichs, A.B.Ed., Harris Teachers College
Harold Winton Dunn, B.S.Ed., Southeast Missouri State College
Julius Eugene Giebler, B.S.Ed., University of Missouri
Flora Bell Glenn, B.S.Ed., Southwest Missouri State College
Dallas Thomas Harrell, Jr., B.S.Bus., Shurtleff College
August William Hermann, A.B.Ed., Harris Teachers College
Rosemarie Hughes, A.B., Webster College
Eugene Howard Jabker, A.B.Ed., Harris Teachers College
Ray Vern Johnsen, B.A., Dana College
Anna Ruth Kellum, A.B., Greenville College
Jerry Ray Knight, B.S.Ed., Missouri Valley College
Arthur Charles Krause, B.A., Concordia Seminary
Ruth Schatz Lamborn, A.B., Washington University
Robert John Lemke, B.S.Ed., Concordia Teachers College
Frederick Karl Lenhart, B.A., Concordia Theological Seminary
Nesta Hoech Lenhart, B.S.Ed., Washington University
Marylen Lipkind, A.B., Washington University
Harry August Maier, Jr., A.B.Ed., Harris Teachers College
Helen Elizabeth McClellan, B.S.Ed., Arkansas State College
Patricia Arlene McCoy, B.S., Purdue University
Mildred Bishop McGary, A.B.Ed., Harris Teachers College
Donald William Meyer, A.B., Washington University
Michael William Millonas, A.B.Ed., Harris Teachers College
Hazel Willison Morrissey, A.B., Washington University
Edward Paul Ortleb, A.B.Ed., Harris Teachers College
Richard Milton Parker, A.B.Ed., Harris Teachers College
Richard Joseph Paul, B.S., Washington University
William Sanger Pohlman, B.S.Ed., Washington University
Amy Margaret Sharpe, B.S.Ed., Lincoln University
Mary Jane Sheehan, B.A., Fontbonne College

Nina Millicent Simmons, B.S.Ed., Southeast Missouri State College
Elizabeth Oakey Studt, A.B., Washington University
Robert Henry Threnn, B.S.Ed., Washington University
Anita Ruth Wegener, A.B.Ed., Harris Teachers College
Florence M. Werner, A.B.Ed., Harris Teachers College

IN EDUCATION; HISTORY

Irene Colle Kaplan, A.B., University of Rochester

IN EDUCATION; PSYCHOLOGY

Juanita Bolander Evans, B.S.Ed., Kansas State Teachers College of Pittsburg

IN EDUCATION; SOCIOLOGY

Lulu Faye Burton, B.S.Ed., Southwest Missouri State College

IN HISTORY; EDUCATION

William Bowler Jefferies, A.B.Soc.Sci., Chico State College

IN LATIN; EDUCATION

Vernon Julius Meyer, A.B., St. Louis University

IN SCIENCE EDUCATION

Derrel Calvin Busby, B.S.Agr., Arkansas State College
Richard Eugene Bussard, B.S., Purdue University
Shirley Ann Eli, B.S., Murray State College
Marie Klinge Globig, A.B.Ed., Harris Teachers College
George Benno Grunwald, B.S., North Dakota State Teachers College
Eugene Michael Malecki, A.B., University of Illinois
Joseph Charles Roe, B.A., Harding College
Donna Louise Sooby, B.S., McPherson College
Marjorie Jacoby Westmoreland, B.A., Park College

MASTER OF SCIENCE IN COUNSELING AND PERSONNEL

Candidate—June 6, 1960

IN COUNSELING AND PERSONNEL

Robert Owen Muether, B.S.B.A., Washington University

MASTER OF SCIENCE IN HEALTH AND PHYSICAL EDUCATION

Candidates—June 6, 1960

IN PHYSICAL EDUCATION; HEALTH

Robert George Brunette, B.S.Ed., Quincy College
Elizabeth Harris Ebert, B.S.Ed., Washington University
Catherine Ann Purdom, A.B.Ed., Harris Teachers College
Virginia Irene Turner, A.B.Ed., Harris Teachers College

Awarded January 25, 1960

IN PHYSICAL EDUCATION; HEALTH

Mary Mildred Cornish, B.S.Ed., Kirksville State Teachers College
Joseph Albert Frank, B.S.Ed., Southeast Missouri State College
Robert Charles Goodwin, B.S.Ed., Central Missouri State College
John Albert Mulach, B.S.Ed., Washington University

Awarded August 28, 1959

IN PHYSICAL EDUCATION; HEALTH

Frederic Boyd, B.S., Tennessee Agricultural and Industrial State College
Rosemary Beauchamp Brown, B.S.Ed., Southeast Missouri State College
John David Buell, B.S.Ed., Southwest Missouri State College
Eugene Joseph Buescher, B.S.Ed., Washington University
Vergil Hugh Fletcher, A.B., Illinois College
George Alexander Griffith, Jr., A.B.Ed., Harris Teachers College
Clifford Oldham Hagan, A.B.Ed., University of Kentucky
Joan Stillman Henry, B.S.Ed., Washington University
Theodore Frank Kirchhoefer, A.B.Ed., Harris Teachers College
Raymond Lee Marts, B.S.Ed., Southeast Missouri State College
David Lee McGraw, B.S.Ed., Northeast Missouri State Teachers College; B.S., ibid.
Deward John Miller, A.B.Ed., Harris Teachers College
Melvin Eugene O'Bannon, B.S.Ed., Washington University

MASTER OF MUSIC

Candidate—June 6, 1960

IN MUSIC

Gerald Thomas Landon, B.M., Kansas State Teachers College

Awarded January 25, 1960

Jeanette Rae Blumer, B.M., Marylhurst College

ADVANCED GRADUATE CERTIFICATE IN EDUCATION

Awarded August 28, 1959

IN SCIENCE EDUCATION

James Arthur Livingston, B.A., Iowa State Teachers College; A.M., Colorado State College of Education

DOCTOR OF EDUCATION

Candidate—June 6, 1960

IN EDUCATION

Noah Gayle Simmons, B.S.Ed., Southeast Missouri State College; M.A.Ed., Washington University

Title of Thesis: The Emerging Design for the Comprehensive American High School (1913-1922)

Awarded August 28, 1959

IN EDUCATION

Robert Henry Zeller, B.S., Shurtleff College; M.S., University of Illinois; Advanced Graduate Certificate in Education, ibid.

Title of Thesis: Diffusion and Recall Differences Between Two Ways of School-to-Home Communications

DOCTOR OF PHILOSOPHY

Candidates—June 6, 1960

IN BACTERIOLOGY

Alexander Coleman Sonnenwirth, A.B., University of Nebraska; M.S., Purdue University

Title of Thesis: A Study of Certain Gram-Negative, Non-Sporulating Anaerobic Bacteria Indigenous to Man, with Special Reference to Their Classification by Serological Means

IN BOTANY

M. V. Sethuramaswamy Raju, B.Sc., University of Mysore; M.Sc., ibid.

Title of Thesis: Morphology and Anatomy of the Saururaceae

IN CHEMISTRY

Alexander Kaczmarczyk, B.A., American University of Beirut

Title of Thesis: Some Chemical Properties of the Silicon Subchlorides

IN CLASSICS

Edgar Martin Krentz, B.A., Concordia Seminary; A.M., Washington University

Title of Thesis: Sextus Empiricus on Language and Literature

IN EDUCATION

Howard Rai Boozer, A.B., Howard College; M.A.Ed., Washington University

Title of Thesis: The American Historical Association and the Schools, 1884-1956

IN ENGLISH

Charles Willison Eckert, A.B., Washington University

Title of Thesis: The Poetry of Henry Howard, Earl of Surrey

IN MUSIC

Robert Lee Adams, B.M., Miami University; M.M., ibid.

Title of Thesis: The Development of a Keyboard Idiom in England During the English Renaissance

Kenneth Gustave Schuller, A.B., Washington University; A.M., ibid.

Title of Thesis: Verismo Opera and the Verists

IN PHILOSOPHY

Ronald John Glossop, A.B., Carthage College
Title of Thesis: A Critical Analysis of Some Aspects of Charles L. Stevenson's Ethical Theory

IN PHYSICS

Joseph Francis Dreitlein, B.S., Manhattan College; S.M., University of Chicago
Title of Thesis: Structure of Weak Interactions

Victor Louis Pollak, B.S., Case Institute of Technology
Title of Thesis: Pulsed Electron Spin Resonance in Metal-Ammonia Solutions

IN PHYSIOLOGY

Carl Joseph Gerber, B.S., University of Detroit
Title of Thesis: The Effect of Certain Stimulant and Depressant Drugs on Evoked Cortical Potentials in the Rabbit

IN PSYCHOLOGY

John Harry Hill, A.B., Brown University; M.A., Johns Hopkins University
Title of Thesis: The Effect of Oxygen Deprivation on the X-wave and B-wave of the Human Electroretinogram

Awarded January 25, 1960

IN CHEMISTRY

Perry King, Jr., B.S.Chem., University of Illinois
Title of Thesis: Kinetics of the Ferricyanide-Ferrocyanide Exchange Reaction in Tetraphenylarsonium Hydroxide Solutions

IN ENGLISH

Robert Colin McLean, B.S., Indiana University; A.M., ibid.
Title of Thesis: George Tucker: Moral Philosopher and Man of Letters

IN MATHEMATICS

Nai-chao Hsu, B.Sc., National Taiwan University
Title of Thesis: On Automorphisms of a Splitting Extension $G = (H, K; \emptyset)$

IN PHYSICS

Carl Edwin Fichtel, B.S.E.Phys., Washington University
Title of Thesis: The Multiply Charged Component of the Primary Cosmic Radiation at a Low Energy Cut-Off During Solar Maximum

Medford Sherman Webster, B.S., Union College
Title of Thesis: Decays of the Strange Particles

IN PSYCHOLOGY

Allan Gene Barclay, A.B., University of Tulsa
Title of Thesis: An Experimental Investigation of the Contribution of Objective Mediators to Transfer in Paired-Associate Learning

IN SCIENCE EDUCATION

Fred Donald Boercker, A.B., University of California; M.A.Ed., Washington University
Title of Thesis: "An Evaluation of the Washington University Introductory Physics Course as It Pertains to the Professional Training of Medical Students"

Awarded August 28, 1959

IN AUDIOLOGY; PSYCHOLOGY

Joseph Rosenstein, B.S.Ed., Washington University; A.M., ibid.
Title of Thesis: Perception and Cognition in Deaf Children

IN CHEMISTRY

William Henry Cook, A.B., Washington University
Title of Thesis: The Alkaline Degradation of Adenosine Triphosphate

David Robert Nethaway, B.S., University of California; M.S., ibid.
Title of Thesis: Nuclear Charge Distribution in Fission: Independent Yields of Ba^{141}, Cs^{141}, La^{141}, La^{142}, Ce^{143} and Cumulative Yields of Xe^{142} from Thermal Neutron Fission of U^{235}

Terrill Dean Smith, B.S., University of Oklahoma; M.S., University of Maryland
Title of Thesis: Reactions of Cyclic Ketones and Bis-Diazoalkanes

David Elliott Troutner, A.B., Washington University; M.S., University of Missouri School of Mines and Metallurgy
Title of Thesis: Nuclear Charge Distribution in Fission: Independent Yields of Niobium Isotopes from Thermal-Neutron Fission of ^{233}U, ^{235}U, and ^{239}Pu

Kurt Wolfsberg, B.S. in Chem., St. Louis University; A.M., Washington University
Title of Thesis: Nuclear Charge Distribution in Fission: Cumulative Yields of ^{93}Kr, ^{94}Kr, ^{95}Kr, ^{97}Kr, ^{138}Xe, and ^{142}Xe from Thermal-Neutron Fission of ^{235}U

IN ENGLISH

Eugene Benjamin Cantelupe, B.A., University of Buffalo; M.F.A., State University of Iowa
Title of Thesis: Representations of Venus in Italian Renaissance Painting and English Renaissance Poetry

William Joseph Stuckey, A.B., Washington University; M.F.A., State University of Iowa
Title of Thesis: A Critical History of the Pulitzer Prize Novels, 1917-1947

IN GERMAN; FRENCH

Marie Therese Lehn, A.B., Washington University; A.M., ibid.
Title of Thesis: Tragedy and Comedy in Hofmannsthal's Dramatic Works

IN MICROBIOLOGY

Edward James Ofengand, B.S., Massachusetts Institute of Technology; M.S., ibid.
Title of Thesis: The Enzymatic Synthesis of Amino Acyl RNA Compounds

IN PHYSICS

Newton Bernardes, B.S., University of Sao Paulo; M.S., University of Illinois
Title of Thesis: Theory of Solid He^3

Clarence Scott Johnson, B.S., University of Missouri School of Mines and Metallurgy
Title of Thesis: The Polarization of Cosmic-Ray Muons at Sea Level

Werner Alfred Wilhelm Mehlhop, Diplom-Physiker, University of Hamburg
Title of Thesis: A Measurement of the Longitudinal Polarization of Pr^{144} Beta-Particles

Arden Sher, B.S.E.Phys., Washington University
Title of Thesis: Nuclear Magnetic Relaxation

IN PSYCHOLOGY

Kenneth Leon Ball, A.B., Antioch College
Title of Thesis: Interpersonal Perceptions and Empathy in an Industrial Problem Solving Group

Brenda Katz Goodrick, A.B., University of North Carolina; M.A., Emory University
Title of Thesis: Intra-individual Variability in the Schizophrenic Psychoses

David George McDonald, A.B., University of Missouri; A.M., Washington University
Title of Thesis: The Effect of Electroconvulsive Seizures on Male Albino Rats with Experimentally Induced Sensory Deficits

Robert Albert Soskin, B.S., Northwestern University
Title of Thesis: The Effect of Early Experience upon the Formation of Environmental Preferences in the Albino Rat

COMMISSIONS IN THE DEPARTMENT OF DEFENSE

The Following Candidates Will Be Presented by LIEUTENANT COLONEL ANDREW MERRILL LUNDBERG, United States Army, Professor of Military Science

UNITED STATES ARMY

Issued by the Secretary of the Army

SECOND LIEUTENANT, REGULAR ARMY

Armor

*Michael Norton Welch

SECOND LIEUTENANT, ARMY RESERVE

Adjutant General's Corps

Millard Merl Backerman
*Yale Sam Wolff

Army Intelligence

William Allen Bushdiecker
*David Catlin Wahl

Army Security

James Hudson Greenley

Artillery

Edward Donald Dreyfus
*Ed Jordan Johnson
David Patrick McDonald
*Robert Orville Piening
Larry Clifford Rogers
Perry Alan Schneider

Chemical Corps

Norman Foster
John Joseph Wilson

Corps of Engineers

*John Berger Hallquist III
James Ronald Henrekin
William Harold Schwend

Finance Corps

Jeff Darrell Burton
Stephen Lee Gellman
Robert Levitt
David Frank Ward

Infantry

Tilford Leo Smith, Jr.

Military Police Corps

Joseph Samuel Rosenthal
Robert Stuart Thaller

Medical Service Corps

Ronald Charles Bird
Ralph Clifford Fisher
Parker Woods Fritschle
Clifford Gilbert Jordan
John Edward McBride

Ordnance Corps

*Frederick Davis Meloan
William Calvin Shores

Quartermaster Corps

*Harvey Kolman Emert
Ronald Dale Prasse
Donald James Rascher

Signal Corps

Giovanni Anthony Viglino
Jack Hirsch Wolf

Transportation Corps

James Gregory Crose
David Lee Goff
Albert Louis Nelson III
Bertram Norman Risch
*James Michael Searles
*Samuel Warren Stein

The Following Candidates Will Be Presented by LIEUTENANT COLONEL HENRY EDWARD WOJDYLA, United States Air Force, Professor of Air Science

UNITED STATES AIR FORCE

Issued by the Secretary of the Air Force

SECOND LIEUTENANT, AIR FORCE RESERVE

**George Robert Couranz
Wesley Thomas Diller
Donald Robert DeZutter
Eugene Claude Harris, Jr.
**Jimmie Carl Hopper
William Benjamin Long
Allan Louis Novak
Nicholas Anastasios Scambilis
Daniel Coleman Sydow

---

* Distinguished Military Graduate
** Distinguished Air Force ROTC Graduate

PRIZES, AWARDS AND HONORS

THE COLLEGE OF LIBERAL ARTS AND THE GRADUATE SCHOOL OF ARTS AND SCIENCES

Special Honors

Martin Jay Baron (History)
Edward F. Berg (Zoology)
Barbara Blake (English Literature)
Sidney Lou Brackman (History)
John R. Considine (History)
Viris W. Cromer, Jr. (English Literature)
David B. Goldenberg (Zoology)
Lawrence A. Jordan (English Literature)
John Henry Lindenbusch (History)
John D. Ober (Philosophy)
Shoshana R. Rimel (English Literature)
Judith R. Smith (Music)
Henry S. Stolar (General Literature, Political Science, Psychology)

Wilma Koetter Memorial Prize

Nancy Leve (Elementary)
Renitta Goldman (Secondary)

Arnold J. Lien Prize, Henry S. Stolar

Dramatic Club Prizes

Allan Bierman
Emmett Conant
Carole Courson
Sean Duffy
George Wiseheart

Louis G. Zelson Prize in Spanish, Olga Bornstein

St. Louis Award

Jack Norman

Jauncey Memorial Prize, Sara Andalfte

Fern J. Cornelison Prize, Theodore M. Zorn (Graduate)

THE SCHOOL OF ENGINEERING

American Institute of Chemical Engineers' Award, Sheldon Wallerstein
American Institute of Electrical Engineers' Award, Robert Schneider
American Institute of Industrial Engineers' Award, Bradley Benn
American Society of Civil Engineers' Award, Fred Earl Palmerton
American Society of Mechanical Engineers' Award, Jeremiah Bresnahan
Ade H. Winheim American Chemical Society Award, Gerald Kwentus
Associated General Contractors' Prize (Architectural Engineer), Hai Sang Lew
Associated General Contractors' Prize (Civil Engineer), Fred Miller Reiff
Honor Award of the Armed Forces Communications and Electronics for 1960, Edward D. Dreyfus
Laclede Steel Award, Fred Earl Palmerton
Merck Award, Gerald Kwentus
Jauncey Memorial Prize, Thomas E. Fitzpatrick

Final Honors

Fernond Betche
Herbert Bixhorn
Bernard Brown
Wayne Carr
James Crose
Leo J. Klamerus
Gerald Kwentus
Gustav Lindauer
Jerry A. McDaniel
Philip C. Munro
Roger Nolting
Conrad Schwarze
Gene Stringham
Carl Uthoff

THE SCHOOL OF ARCHITECTURE

Association of Women in Architecture and Allied Arts, Cynthia Rogers
Alpha Rho Chi Medal, Robert Lee Vickery, Jr.
Producers' Council Award, Bernard Bortnick
American Institute of Architects Medal, Robert Lee Vickery, Jr.
Frederick Widmann Prize in Architecture, Daniel Edward Green
Henry Adams Fund of the American Institute of Architects
Bernard Bortnick
Robert Lee Vickery, Jr.

THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

Sidney S. Cohen Accounting Prize, David Frank Ward
Haskins & Sells Award, David Frank Ward
Isidor Loeb Prize, David Frank Ward
Missouri Society of Certified Public Accountants Award, Marydel Harrison
Wall Street Journal Award, Marydel Harrison

Final Honors

Joseph Howard Avery, Jr.
Harry Gerald Bishop
Elliott Hirsch Brilliant
Lawrence Sai Lun Ching
Bill Charles Downs
William John Eckert
William Charles Ellersick
Marydel Harrison
Beverly Loyce Leimer
Marshall Neil Myers
Donald Charles Siekmann
Martha Jane Sornson (Retailing)
Norbert Carl Terre
David Frank Ward

UNIVERSITY COLLEGE

Final Honors

Helen Marguerite Adams
Gladys Rovene Eastwood
Jack Grossman
Wayne Davis Harriss
Evelyn Dalton Jones
James Richard Jones
Clarence Mathew Klotz, Jr.
Bill Leon
Rosetta Humphreys Lingle
Kathleen Booth McEwen
Henry Lester Pujol
Richard Allan Stumpe

THE SCHOOL OF FINE ARTS

Hazel Goetsch Book Award, Sharon Short

Caroline Risque Prize in Sculpture
Sally Elizabeth Hasting
David Aldinger

Waldo P. Johnson Award in Book Design, Robert Nix

THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK

Special Honors for Scholarly Performance in Research
Everette William Hubbell
Donna Mae Frances Danielson
Anna Marie Waldvogel

THE SCHOOL OF LAW

Alumni Association Prize, Donald Lawrence Gunnels

Samuel M. Breckinridge Third Year Scholarship Prizes
First Prize, Robert Arnold Mills
Second Prize, Donald Lawrence Gunnels

Samuel M. Breckinridge Practice Court Prizes
First Prize, Ben Ely
Second Prize, Charles Wallace Riley

Order of the Coif
James Ethan Chervitz
Donald Lawrence Gunnels
Jerome Irving Kaskowitz
Robert Arnold Mills

THE SCHOOL OF DENTISTRY

Dental Alumni Association Prize, Franklin Heiner Smith

Anna Bredall Awards
Duane Elmer Christian
Godfrey Wilson Schroeder

Alpha Omega Award, Harry Lee Ryburn
Delta Sigma Delta Award, Godfrey Wilson Schroeder
American Society of Dentistry for Children Award, Harold Dean Bowles
American Academy of Dental Medicine Award, Kenji Uejo
American Academy of Gold Foil Operators Award, Harry Lee Ryburn
American Academy of Roentgenology Award, Duane Elmer Christian
J. D. White Award, Godfrey Wilson Schroeder

THE SCHOOL OF NURSING

Final Honors

Doris Edwards
Carol Grimm
Shirley Holstein
Melba Leichsenring
Barbara Strange