This document was digitized by the staff of University Archives, Department of Special Collection, Washington University Libraries.

Unless otherwise noted, this work is the copyright of the original creator. It is digitally reproduced for educational use only, per U.S. copyright law (Title 17, Chapter 1 § 108 U.S. Code)

For further information please contact:

University Archives, Department of Special Collections
Washington University Libraries
One Brookings Drive, Campus Box 1061
St. Louis, MO 63130
Telephone: (314) 935-5444 or (314) 935-9730
Fax (314) 935-8320
e-mail: spec@wumail.wustl.edu
website: [http://library.wustl.edu/units/spec/archives](http://library.wustl.edu/units/spec/archives)
WASHINGTON UNIVERSITY  
SAINT LOUIS  
NINETY-NINTH COMMENCEMENT  

NINE-THIRTY O'CLOCK  
MONDAY MORNING  
JUNE THE SIXTH  
1960
The Alma Mater

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.

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
Lilac:—Dentistry                       Green:—Medicine
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
TOMAS STEELE HALL, PH.D., Dean

BACHELOR OF ARTS

Candidates—June 6, 1980

Mary Joyce Arendes
Fetzey Hughy Baker
Pamela Josey Bandy
Martin Joy Baron
Gloria Ann Becker
Joyce Lee Feller Bell
Edward Frank Berg
Michael Berger
Sue Ann Bindbeutel
Barbara Blake
Ronald Samuel Bloom
Irene Marsha Bluestein
Barbara Jean Boniface
Rita Lorraine Bosmans
Sidney Lou Brackman
Ken Lee Bredenkamp
David Leon Clodfelder
Alan Jay Cohen
John Raynor Considine
Ronald Edward Cook
Earl Douglass Craig, Jr.
Paul Terence Crebs
Viris Wather Cromer
Frances Marilyn Cutler
Marjorie Ann Dalzell
Lauren William Fernand Dauernheim
Thomas Jeffrey Deakin
Sue Lee Frey
Barbara Ann Deutsch
Joyce Ann Duerkob
Sue Ann Benedict Duffy
Edith Ann Earlyt
Rochelle Edelman
Howard Leslie Egan
John Leso Emerson
Mary Louise Evans
Michael David Everett
Donald Harvey Faberberg
Rosalind Joyce Farris
Dina Cohen Feinstein
Bette Jane Finchelstein
Betty Grace McKinnery
Dale Quentin Slichten
Suzanne Dolores Fleming
John Lee Flickerby
Julia Kemler Francis
Richard Paul Frey
William Herst Friedman
Marie-Rose Fromageat
Shelley Bannister Goffen
Martin Abram Gerchen
John Lester Gianoulakis
Judith Penn Gissler
Susan Gittelman
Bettye Goldy
David Barron Goldenberg
Benjamin Magsson Goldstein
Beverly Elaine Goresiek
Pamela Carter Graber
Ann Rae Greenspan
Susan Schiffman Grossman
Laura Lee Guller
Alivan Daniel Harris
Dorothy Lee Hein
Donna Kaye Herman
Arnold Helen Heslep
Joan Lou Higgs
Robert Donald Hobergs
Joan Zella Horowitz
Charles Richard Horwitz
Keranna Hansen Howard
Ivan Raeb Inger
Erwin Virgil Johanningsmeier
Clifford Gilbert Jordan
Lawrence Arthur Jordan
David Martin Kahn
Barbara Ann Kallman
Judith Wasserman Kalman
Roy Osamu Kamada
Marilyn Tureen Kanefield
Stephanie Lee Kantoff
Irene Lee Kasakowitz
Henry August Kastrup
Bruce Delozier Kenamore
George William Keuleks
Arno Martin Klausmeier
Robert Harvey Knickmeyer
Stephen Robert Kovac
Mildred Lucy Kovacich
Alan Jay Kraus
Cohan Harry Kraus
Abraham David Krutchik
Haruo Kusuma
Nan Elaine Lacey
Harold Theodore Lange, Jr.
Alan Vernon Lemmon
Alice Jean Lepp
Nancy Elaine Leve
Estelle Edgar Maire, Jr.
Kinney Mann
Michael Douglass Martz
Elmer A. Luihdenbusch
David Patrick McDonald
Loren Everett McKerrow
Emma Mellard
Shulamith Neilman
Walter Lee Metcalfe, Jr.
James Earl Meyer
Sigrid Ann Meyers
Barbara Barnes Miller
Martha Ann Mobbs
Molly Jane Moody
Mildred Arline Murphy
Julia Frances Newman
Michael N. Newmark
Martin Niemoller
Allan Louis Novak
John David Ober
Arthur Edmund Obrach
Elaine Frances Offerjost
Stuart Michael Orgel
Susy Ann Orgel
Stanley Nobuyuki Oyama
Anita Ann Paskal
Phillip James Paster
Doris Virginia Perry
Barbara Phillips
Martin Harold Platt
Warner Richard Fleiska
Ronald Lester Pohle
Robert William Pomer
Katina Mae Poulos
Janet Frances Ray
John William Reed
George Frederick Reinhardt

David Douglas Rendleman
Carol Ann Rickett
Shoshana Rochelle Rime
Alberta Rist
John Gallup Roach
Joyce Ann Rood
Darryl Harvey Runett
Nancy Lee Saks
Carl Anthony Saladin
Charlotte Louise Sandve
Robert Graham Scheibe
Beverly Grace Schmid
Judith Shirley Schneider
Perry Alan Schneider
Joan Marie Schoewe
Jean Anne Sears
Peter Calvin Scrivner
Ferrell Nancy Seifer
Norman Allan Selber
Libbie Helen Selton
Allen William Sherman
Barbara Ann Siegman
Judith June Simer
Thomas Michael Singer
Judith Rosalee Smith
Mary Lynn Sotherland
Alan Robert Sparke
William Michael Sprague
Robert Fred Steele
Penny Winston Stev
Mary Lou Birk Stewardson
Marjorie McLean Stimson
Henry Samuel Starler
Doris Lee McDaniel Storms
Margaret Strauss
John Horton Stubbs
Ronald Lee Sutton
Robert Milo Taxman
Allen Fred Tees
Robert Stuart Thaler
William Louis Thiele, Jr.
Maurice Reeves Thomas, Jr.
Susan Evans Thompson
Audrae Ann Thayer
Roman Henry Tishman
Nancy Ann Tito
Carol Lee Tinkham
Frances Jo Turberville
Richard Lee Turner
Warren Harvey Turner
Joan Bernard Varner
Robert Henry Vondrasek
Margaret Elaine Wache
Judith Claire Wagner
David Catlin Wahl
Marjorie Ann Wals
Richard Stuart Searing
Gerald Leon Warren
Joyce Aline Weinstein
Thomas Francis Weld
Jane Anne Wheaton
Melvyn Wade Wiesman
Joseph Marion Willemin
Sara Patricia Willer
Robert Thomas Willis
Richard Joseph Willis
David Alan Winfield
Denise Eleane Wilton
Howard Allen Witkman
Yale Sam Wolf
Carol Ann Young
Ludmilla Nina Zemels
Diana Jane Zimmerman
Vivian Wides Zwick
Awarded January 25, 1960

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 Verie Monical
James Irl Nibeck
Jane Petersen Nixon
Robert Orville Piening

Awarded August 28, 1959

Burt Richard Goldburg
Stanley Earl Goldstein
Suzanne Collins Hampton
Laura Camille Heusinkveld
Virginia Edna Hill
Mary Louise Hornberg
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

Awarded January 25, 1960

BACHELOR OF SCIENCE IN EDUCATION

Candidates—June 6, 1960

Wilbert Adler
Edward Patrick Franz

Janet Ruth Hahn
Richard Arlen Nash
Thomas Lee Regot

Awarded January 25, 1960

Alexander Yukio Ikeda

BACHELOR OF MUSIC

Candidates—June 6, 1960

Armand William Kitto

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

Awarded January 25, 1960

Fuad Ahmed Uthman

Hai Sang Lew
Leonard Weintraub

Ronald Henry Pills
Jean Marie Reardon
Judith Fuchs Rechter
Lynette Helen Rose, 1913
Barbara Rader Schwartz
Louis Harris Sigoloff
Richard Bernard Smith
Carole Ann Steiner
Judith Ellen Trimble
Jan Emile Theodore Tygou
Freda Vose
Lois Linn White
Adajean Lott Whillock
Thomas Daniel Widmar
Shirley Cecile Yawitz
Mary Zaman

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 Sashie
Bella Scheiner
Janet Wood Schirmer
Walter Fredrick Schmidt II
Byron Jay Schneider
Mary Lou Shelton
Samuel David Spivack
John Quentin Sterbenn II
Paul Thomas Thiel
George Morrison von Schrader
Marilyn Wilson
Sue Carol Winstead

Kelvin Richard Ryals
Carol Lee Seager

Fancine Meyer Stone

BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING

Candidates—June 6, 1960

John Edward Janssen

Awarded January 25, 1960

Fuad Ahmed Uthman

Hai Sang Lew
Leonard Weintraub

Ronald Henry Pills
Jean Marie Reardon
Judith Fuchs Rechter
Lynette Helen Rose, 1913
Barbara Rader Schwartz
Louis Harris Sigoloff
Richard Bernard Smith
Carole Ann Steiner
Judith Ellen Trimble
Jan Emile Theodore Tygou
Freda Vose
Lois Linn White
Adajean Lott Whillock
Thomas Daniel Widmar
Shirley Cecile Yawitz
Mary Zaman

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 Sashie
Bella Scheiner
Janet Wood Schirmer
Walter Fredrick Schmidt II
Byron Jay Schneider
Mary Lou Shelton
Samuel David Spivack
John Quentin Sterbenn II
Paul Thomas Thiel
George Morrison von Schrader
Marilyn Wilson
Sue Carol Winstead

Kelvin Richard Ryals
Carol Lee Seager

Fancine Meyer Stone
## Bachelor of Science in Chemical Engineering

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded January 25, 1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Lee Goff</td>
<td>Thomas Owen Myers</td>
</tr>
<tr>
<td>Raymond LeRoy Goode</td>
<td>Robert Helle Rhodes</td>
</tr>
<tr>
<td>David Anthony Harshany</td>
<td>Larry Clifford Rogers</td>
</tr>
<tr>
<td>Ronald Rudolph Kienle</td>
<td>George Francis Rotter</td>
</tr>
<tr>
<td>Gerald Kenneth Kwentus</td>
<td>James Joseph Schoenaerts</td>
</tr>
<tr>
<td>Frank Elmer Miller</td>
<td>Charles Don Siebenthal</td>
</tr>
<tr>
<td>Lee Platte</td>
<td>Carl Joseph Uthoff</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded August 28, 1959</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter Edward Macy</td>
<td>Vincent Thomas Slama</td>
</tr>
<tr>
<td>Francis Edward Nicoll Peacock</td>
<td>Ernest William Skiles</td>
</tr>
</tbody>
</table>

## Bachelor of Science in Civil Engineering

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded January 25, 1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Charles Lorenz</td>
<td>Fred Miller Reiff</td>
</tr>
<tr>
<td>Boonthan Mahavan</td>
<td>Bertram Norman Risch</td>
</tr>
<tr>
<td>Kenneth Conrad Mueller</td>
<td>Nicholas Anastasios Scambulis</td>
</tr>
<tr>
<td>Joseph Yale Nash</td>
<td>David Amos Schmelig</td>
</tr>
<tr>
<td>Bruce Irvin Neunaber</td>
<td>John Frank Sydow</td>
</tr>
<tr>
<td>Edward Neil Norman</td>
<td>Charles Hershel Thien</td>
</tr>
<tr>
<td>Fred Earl Palmeton</td>
<td>Francis Daniel Whelan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded August 28, 1959</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Oliver Butler</td>
<td>Ralph George Mehringer</td>
</tr>
</tbody>
</table>

## Bachelor of Science in Electrical Engineering

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded January 25, 1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gerald Andrew Gayer</td>
<td>Stanley Jerry Sandler</td>
</tr>
<tr>
<td>David Edmund Graves</td>
<td>Theodore Edward Schuessler</td>
</tr>
<tr>
<td>Eugene Gary Grevis</td>
<td>William Donald Soldier</td>
</tr>
<tr>
<td>Eugene Claude Harris, Jr.</td>
<td>Bertram Louis Sternbenz, Jr., A.B.</td>
</tr>
<tr>
<td>Frank Joseph Irovic</td>
<td>Alexander Stolitsa</td>
</tr>
<tr>
<td>Howard Edward Johnson</td>
<td>Gene Arthur Stringham</td>
</tr>
<tr>
<td>Robert Joseph Julius</td>
<td>James Edward Tilker</td>
</tr>
<tr>
<td>Leo James Kiamerus</td>
<td>Arthur Harold Tischer</td>
</tr>
<tr>
<td>Ralph Herman Kotoski</td>
<td>Kenneth Elmer Toepfer</td>
</tr>
<tr>
<td>Jan Herbert Krummrich</td>
<td>Robert Frederick Underwood</td>
</tr>
<tr>
<td>Gregory Garling Kruszka</td>
<td>Giovanni Anthony Viglino</td>
</tr>
<tr>
<td>Gustav Adolph Lindauer</td>
<td>Joseph Anthony Volk, Jr.</td>
</tr>
<tr>
<td>James Tim Matheny</td>
<td>Eugene Howard Weirich</td>
</tr>
<tr>
<td>Jerry Arthur McDaniel</td>
<td>John Frank Wendl</td>
</tr>
<tr>
<td>Frederick Davis Meloan</td>
<td>Richard Willis</td>
</tr>
<tr>
<td>Clemente Paul Mudd, Jr.</td>
<td>John Joseph Wilson</td>
</tr>
<tr>
<td>Philip Conway Munro</td>
<td>Susan Jean Winter</td>
</tr>
<tr>
<td>John Thomas O'Halloran</td>
<td>Joseph Lee Wyland</td>
</tr>
<tr>
<td>Richard Howard Palmer</td>
<td>John George Ziebold</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded August 28, 1959</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donald Eugene Routh</td>
<td>Milton Paul Mindel II</td>
</tr>
<tr>
<td>James Robert Smith</td>
<td>Neil Jay Kessler</td>
</tr>
<tr>
<td>Richard Pryer Robnett</td>
<td>Raymond Kenneth Kloess, Jr.</td>
</tr>
<tr>
<td>Robert Paul Schepp</td>
<td>Jacob Joseph Leventhal</td>
</tr>
<tr>
<td>Virgil Melvin Stapf</td>
<td>Joseph Leo Michaud</td>
</tr>
<tr>
<td>Harold Donald Volk</td>
<td>Paul Francis Mizera</td>
</tr>
</tbody>
</table>

## Bachelor of Science in Engineering Physics

<table>
<thead>
<tr>
<th>Candidates</th>
<th>Awarded January 25, 1960</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herlan Goldring</td>
<td>John Gerard Manda</td>
</tr>
<tr>
<td>Raymond Henry Kloess, Jr.</td>
<td>Carl Vincent Myrick</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Awarded August 28, 1959</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roger Kent Nolting</td>
</tr>
<tr>
<td>Gary Clemens Roth</td>
</tr>
<tr>
<td>Ernest Günter Schoenning</td>
</tr>
<tr>
<td>Conrad August Schwarze</td>
</tr>
<tr>
<td>Virgil Melvin Stapf</td>
</tr>
</tbody>
</table>
BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

Candidates—June 6, 1960

Gordon Lewis Davis
James Robert Gaskill
John Berger Hallquist III

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 Huelser
Richard Lee Huelster

Thomas Jay Clark

Awarded January 25, 1960

John David Kelley
Dennis Lee Kessler
Ira Howard Levy
Donald Lane Luetje
David Banks McDonald

Awarded August 28, 1959

William Howard Hunsicker, Jr.
Paul Leo Steiner

Barney Joe Blockyou
Ronald Melvin Dahman

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

Monty Lee Brawley
Charles Robert Canfield
Harry Edward Davis
Donald Joseph Dowling

Richard Earl Browning
James Clyde Claywell

Awarded January 25, 1960

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

Awarded August 28, 1959

Stuart Allen Goldman
Donald Blake Heida
David Frederick Helms
John Gerard Manda
Eugene John Meierhofer
Paul Elmer Jameson
Donald Vincent Lovshe
Frank Anthony Martin

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 MESMES, 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 Steimmeyer, 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.Eng., 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 Grigoriopoulos, 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

Awarded January 25, 1960

Don Lee Brandenburger
Richard Charles Herman

Awarded August 28, 1959

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 Lee Gerst

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.

Peter Leontsinis
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

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

Awarded January 25, 1960

| Richard Carl Drexler     | Robert Orville Piing         | Norbert Carl Terre |
| Robert Watson Glenn      | Terry Dale Shaffer           | Frank James Williams, Jr. |
|                         | Carl Holmes Stopp            |                      |

Awarded August 28, 1959

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

BACHELOR OF SCIENCE IN RETAILING

Candidates—June 6, 1960

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

MASTER OF BUSINESS ADMINISTRATION

Candidates—June 6, 1960

<p>| Wilmont Gene Adams, B.S.E.E., Purdue University | Leslie Glenn Backstrom, B.S., University of Idaho |
| John Nettleton Chapin, Jr., B.S.B.A., Washington University | Francis Woody Chestam, B.S., University of Illinois |
| Francis Roger Clark, A.B., Washington University | Francis Roger Clark, A.B., Washington University |
| Vincent Blaise D’Antoni, B.B.A., Tulane University | Neal Todd Dehr, B.S.B.A., Washington University |
| Neal Todd Dehr, B.S.B.A., Washington University | James Elmer Gaebler, B.S.B.A., University of Missouri |
| James Elmer Gaebler, B.S.B.A., University of Missouri | Richen Kaye Brown Gaston, B.B.A., The University of Texas |
| Thomas Francis Mooney, B.S.C.H., University of Notre Dame | Manuel Stanley Krupp, B.S.A.T., Purdue University |
| Philip Henry Plack, M.E., Stevens Institute of Technology | Donald Wearen Smith, B.S.E.E., Washington University |</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Edward Sprick</td>
<td>B.S.B.A.</td>
<td>Washington University</td>
</tr>
<tr>
<td>George Wilson Strohl</td>
<td>B.S.M.E.</td>
<td>Lehigh University</td>
</tr>
<tr>
<td>Robert Leigh Virgil, Jr.</td>
<td>B.S.</td>
<td>Beloit College</td>
</tr>
<tr>
<td>Lawrence Dean Vitt</td>
<td>B.S.M.E.</td>
<td>Valparaiso University</td>
</tr>
<tr>
<td>Alexander Jules Weissborn</td>
<td>B.S.B.A.</td>
<td>Washington University</td>
</tr>
<tr>
<td>Claude Henriett Zwart, Jr.</td>
<td>B.S.B.A.</td>
<td>Washington University</td>
</tr>
</tbody>
</table>

**Awarded January 25, 1960**

Richard Henry Rauer, 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 Haeeckel, 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.S.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
Henry Guimbarda
Richard Arthur Hanebrink
Hord Hardin II
Wayne Davis Harris
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 Kunzte
Walter Arthur Learmont
Marvin George Lilienkamp
Grace Edith Loveless
David Richardson Mars
Kathleen Booth McEwen
David Brent McFarland
Gary Wade McKinney
Kenneth Gary Merkel
Lon Wayne Moore
Lawrence Moser
Ralph Earl Penny

Awarded January 25, 1960
Frank Vincent Igo, Jr.
Robert Lewis Johnson
Francis Patrick Lee, Jr.
Bill Leon
Jim Dale Martin
Michael John Pratt
William Eugene Raymond
Robert Alton Redfern

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 Salhoob
Timothy Doyle Shanahan
Robert Weldon Shradar
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 Wolsen
Philip George Ziegenfuss

Muriel Genevieve Reed
Richard Francis Rudowicz
Harold Frederick Rutter
John Patrick Saunders
James Thomas Shea
Myrle Ruth Sturmfels
Robert Wayne Waite
Robert Shirley Walker
Joseph Gerald Arnoldi
Donald Wayne Brockman
Wallace Leo Carriker
Robert Andrew Gairns

Awarded August 28, 1959
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

Gretchen Haesly Alexander
Linda Seawood Aloe
Velma Saylor Bischoff
Ruby Lee Black
Dorothy May Blank
Esther Sharon Bryan
Beatrice Ann Burns
Joan Riedel Dailey
Beulah Irene Davis
Carol Elaine Feldman
Marilyn Irene Garrett

Robert William Essex III
Marilyn Maxine Foster
Barbara Davis Huffstot
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

Awarded August 28, 1959
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

Candidates—June 6, 1960
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

Awarded January 25, 1960
Rosetta Humphreys Lingle
Alice Marie Rulon

Awarded August 28, 1959
Patricia Anne Gruetzemacher
Gladys Pope Michener
Patricia Parker Madyett
Alice Vernile Nichols
Maxine Elizabeth Parrott
Rolland Leroy Perry
Verna Alberta Rickman
Evelyn Johnson Robinson

Veronica Brown Schutt
Robert Barry Smith
Donna Irene Vandiver

Emil C. Roth
Marina LoBuono Rouse
Milton Saul Rudy
Ola L. Sinclair
Ronald George Tenney
Roy Louis Thompson
Margaretia 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 Gelman
Susan Kimble Gruetzemacher
Sally Elizabeth Hastig
William Charles Hogan
Sarah Simone Irving
Henry Prescott James

Nancy Kay Robards

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
George Eugene Rose

Awarded August 28, 1959
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 Kligerman, B.A., University of Pennsylvania
B.D., Eden Theological Seminary
Janet Lucille Klasak, 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
Ottiee 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
Joan Corrine Olander, A.B., Augusta 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 Theret, 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 Hiroshi 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.

Jack Raymond Charter, A.B.
Samuel Charles Ebling, A.B.

David Noel Heise
Stephen Michael Hereford
Donald Dow James, A.B.
Martin Edward Juncker, A.B.
Amirik Rachgian, A.B.
Jerome Irving Kasowitz, A.B.
Stuart Irwin Kaufman, A.B.
Joseph Herbert Landon, B.S.
Barry Jacob Levine, A.B.
Martin Max Lipitz, 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.

Awarded January 25, 1960
James Paul Lindeman

Awarded August 28, 1959
Paul Robert Ferber, B.S.B.A.

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, H.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.
Alwin H. Zerman, A.B.

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 Russel 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.

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.
Odel B. Cutler, B.S.
Robert Jones Douglas
William Douglas Durbin
Jack J. Ellis
Allen Smith Farnsworth
Mervyn Bennion Gardner, B.S.
John Franklin Griffer, B.A.
Ervin Wilfred Harder, A.B.
Cedric Lee Hayden, B.S.

Wesley Rushton Hittbrand, 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

Awarded August 28, 1959

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 Stieglitz, Jr., B.A.
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 Lee Haines

Synda Sue Haines
Norma Dereth Kaplow
Eileen Shirley Knobel

Awarded August 28, 1959

Jeanette Clara Conrad

Nancy Catherine Somogyi
Jeanette Lucille Stockett
Nancy Parsons Stoutz

14
BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Candidates—June 6, 1960

Dale Thomason Adams
Judith Ann Adler
Beverley Jean Baptista

Jacquelyn Frances Dahm
Louise Marie Di Benedetto
Cynthia Gilbert Dorn
Wilma Lee Gast

Masters of Hospital Administration

Candidates—June 6, 1960

George Richard Banjak, B.S., B.A.
Robert Dean Blincow, B.A.
Richard Allan Boggs, B.B.A.
Roy Ralph Cressie, Jr., B.S.
Donald Hess Dinger, B.S.

John Walter Hankins, B.A.
Kenneth Gillman Hawthorne, B.S.
Duane Todd Houtz, B.S.
Marshal Glynn Maggard, 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 Felker
Lyman Babcock Fogg, A.B.
Edgar Gilmore Givhan, B.A.
Aaron Glick, B.Sc.
Robert Stephen Goell, A.B., A.M.
William Buri Grubb, Jr.
David Todd Hammond, A.B., cum laude
Ben Calvin Harmon, B.A., cum laude
George Paul Hoench, Jr., B.A.
Edward Kurr 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.
Lee Arman Keoshian, A.B.
John Arthur Kreger, Jr., A.B.
Samuel Landau, A.B.
Alan William Livingston, B.S.
Marvin Glen Mayo, A.B.
Thomas John McGregor, A.B.
William Sherman Medart, Jr., A.B.,
with Special Honors in the Field of
Pathology
Gordon Roth Miller, 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.

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 Finnrock
Marjorie Ann Hillman
Barbara Ann Bradshaw

Edna Todd Heitgerd
Carol Elaine Leecherts Rossel
Lorraine Ernestine Cole
Doyle Lecia Dorn

Awarded January 25, 1960

Audrey Jean Gasparovic
Elizabeth Hayes
Corinne Currier Justice

Awarded August 23, 1959

Joy Euphemia Beck, B.S.
Mary Hawkins Collins, B.S.
Doris Maxine Edwards, B.S.
Virginia Francis, B.S.
Kathryn R. Gellie, B.S.

Carol Louise Grimm, B.S.
Shirley Louise Holstein, B.S.
Edith Joan Kopecki, B.S.
Carol Jeanne Kroeger, B.S.
Jacqueline Edith Lewis, B.S.

Awarded January 25, 1960

Melba Leichsenring, B.S.

Awarded August 23, 1959

Ella Bolden Brown

Helen Hofman Laney
Lucille Hudlin Ross

Gloria L. Pierce, B.S.
Gladys Sayles, B.S.
Mary Marguerite Spelman, B.S.
Judith Marice Thane, B.S.
Edith Webb Wilburn, B.S.

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 GEOLGY
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.Geo.Eng., Washington University

IN MATHEMATICS
Roy Lee McCormick, A.B., Wabash College
IN PHYSICS
Richard LeRoy English, B.S., Yale 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.Geo.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
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
Lovel 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
Malvina 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 Jabber, A.B.Ed., Harris Teachers College
Ray Vern Johansen, 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
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 Milonas, A.B.Ed., Harris Teachers College
Hazel Willison Morrisey, A.B., Washington University
Edward Paul Ortlieb, A.B.Ed., Harris Teachers College
Richard Milton Parker, A.B.Ed., Harris Teachers College
William 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.Ag., 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
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
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; φ)

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
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 Ba44, Ca44, La44, La45, Ce44 and Cumulative Yields of Xe134 from Thermal Neutron Fission of U235
Terrill Dean Smith, B.S., University of Oklahoma; M.S., University of Maryland
Title of Thesis: Reactions of Cyclic Ketones and Bis-Diazoalkanes

21
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 $^{235}$U, $^{238}$U, and $^{243}$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 $^8$Kr, $^{12}$Kr, $^{13}$Kr, $^{15}$Kr, and $^{17}$Xe from Thermal-Neutron Fission of $^{238}$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$^{39}$ 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 Meri Backerman
*Yale Sam Wolff

Army Intelligence
William Allen Bushdiecker
*David Catlin Wahl

Army Security
James Hudson Greenley

Artillery
Edward Donald Dreyfus
*Ed Jordan Johnson

*John Berger Hallquist III

Jeff Darrell Burton

Utility
David Patrick McDonald
*Robert Orville Fiening

Chemical Corps
Norman Foster
John Joseph Wilson

Corps of Engineers
James Ronald Henrekin

Finance Corps
Stephen Lee Gellman
Robert Levitt

Infantry
Tilford Leo Smith, Jr.

Joseph Samuel Rosenthal

Ronald Charles Bird
Ralph Clifford Fisher

*Harvey Kolman Emert

James Gregory Crose
David Lee Goff

Military Police Corps

Allan Louis Novak

Robert Stuart Thaller

Robert Levitt

George Robert Couranz

Wesley Thomas Diller

Donald Charles Bird

Eugene Claude Harris, Jr.

Jimmie Carl Hopper

William Benjamin Long

**Distinguished Military Graduate
**Distinguished Air Force ROTC Graduate

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

**Jimmie Carl Hopper

William Benjamin Long

**Distinguished Military Graduate
**Distinguished Air Force ROTC Graduate

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

**Jimmie Carl Hopper

William Benjamin Long

**Distinguished Military Graduate
**Distinguished Air Force ROTC Graduate

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

**Jimmie Carl Hopper

William Benjamin Long

**Distinguished Military Graduate
**Distinguished Air Force ROTC Graduate

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

**Jimmie Carl Hopper

William Benjamin Long

**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 Lindemousch (History)
- John D. Ober (Philosophy)
- Shoshana R. Rimel (English Literature)
- Judith R. Smith (Music)

Henry S. Stolar (General Literature, Political Science, Psychology)

Dramatic Club Prizes
- Allan Bierman
- Emmett Conant
- Sean Duffy
- George Wiseheart

Louis G. Zelson Prize in Spanish, Olga Bornstein
- Nancy Leve (Elementary)
- Renitta Goldman (Secondary)

Arnold J. Lien Prize, Henry S. Stolar

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

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

THE SCHOOL OF FINE ARTS

Hazel Goetsch Book Award, Sharon Short
Caroline Risque Prize in Sculpture
Sally Elizabeth Hastings
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 Bowies
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

Doris Edwards
Carol Grimm

Final Honors

Shirley Holstein
Barbara Strange

25