102nd COMMENCEMENT

WASHINGTON UNIVERSITY

NINE O'CLOCK, MONDAY MORNING, JUNE THE TENTH, 1963
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
- Orange:—Engineering
- Lilac:—Dentistry
- Drab:—Business
- Dark Blue:—Philosophy
- Golden Yellow:—Science
- Purple:—Law
- Brown:—Fine Arts, Architecture, Interior Design
- Citron:—Social Work
- Light Blue:—Education
- Green:—Medicine
- Pink:—Music
- 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

Howard Kelsey, University Organist

The National Anthem

Invocation

THE REVEREND O. WALTER WAGNER
Executive Director, The Metropolitan Church Federation of Greater St. Louis

Announcements

ETHAN ALLEN HITCHCOCK SHEPLEY
Chairman of the Board of Directors

Address

JAMES SMITH MCDONNELL
Chairman and Chief Executive Officer, McDonnell Aircraft Corporation

Conferring of Degrees

Presentation of Commissions

THOMAS HOPKINSON ELIOT
Chancellor of the University

The Alma Mater

Benediction

THE REVEREND O. WALTER WAGNER

Recessional

Marche ................................................................. Tombelle

The audience will please remain seated while the academic procession enters the Quadrangle. At the conclusion of the ceremonies, the audience will remain seated until the procession has left the Quadrangle.
THE COLLEGE OF LIBERAL ARTS

The Following Candidates Will Be Presented By
MARION ESTEL BUNCH, Ph.D., Acting Dean

BACHELOR OF ARTS

Candidates—June 10, 1968

Jeannie Ellen Alexander
Barbara Carol Allerov
Robert Victor Apple
Charles Winston Applegate
Barbara Ann Arkin
Susan Ray Banks
Bruce Millard Barck
Sandra Sue Bartlett
Camelias Jan Bass
Gary Richard Bayer
Donald Howard Beil
Bernard William Berger
Mitchell Morton Bernstein
Carol Marcia Bierbaum
Minda Sharon Bikman
Anne Currie Bischoff
Stephen Block
Lane Michael Bloebaum
Joyce Ann Borbein
Alan John Borcherding
Joanne Feuerbacher
Joe Dunham
John Alvin Duvall
Julius Zar Frager
Jeanne Ellen Alexander
Susan Virginia Haas
Mary Lee Hay ageimester
Ellen Kay Hall
Harriest Louise Hampton
Donna Lee Howl
Ronald Joseph Huelster
Nancy Ellen Hazelton
Marianne Heinicke
Noel Barbara Heinz
Paul Andrew Henricher III
Carol Ann Hodges
Herbert Kenneth Hoffman
Sharon Mary Hogan
Carol Nan Holman
Marjorie Kendis Horowitz
Donna Lake Howell
Julianne Kalsnick
Barry Leroy Kalman
Paul Edward Kennedy
Ann Boardman Kircher
Beth Lina Knipp
Ira Joe Kodner
Karen Elizabeth Kopelman
Susan Geaney Koplovitz
Renée Madeleine Kopolow
Harry Alan Koppel
Noel Jean Kring
Julie Ann LaCasse
Verita Archer Lake
Lawrence Dale Laycob
George Charles Leposky
William Randall Le Vine
Stanton Joel Levinson
Lawrence Edward Licht
Gary Marshall Lichtman
Ronnie Jean Long
Michael Sidney Long
Arthur Lance Lueking
Jane Ellen Lueking
Bruce MacBryde
Sheldon Leonard Markowitz
Sheila Bea Martin
William Howard Mathis
Patricia Lee Mauch
Ellen Rae Meddows
Charles Gary Merritt
Marilyn Wilkey Merritt
Michael Dennis Metzger
Carl Fredrick Gerry Meyer IV
Marcella Helen Mileic
George Edward Miller
Sherry Kay Miller
Royd Richard Moros
Sandra Elaine Motchan
Betty Carolyn Mott
James Thomas Mueller
Mary Susan Mueller
Daniel Archibald Nachtsheim, Jr.
Mary Lois Neidert
Charlene Jeanne Nemeth
Janet Roberta Niemann
Carole Anne Ochonicky
Edward Louis Offstein
Mary Blair O’Leary

Kenneth Charles Olsen
Nancy Merrell O’Neil
David Martin Ostfeld
Joan Ellen Padding
Diana Lee Padratzick
Miran Maj Sarah Paris
Ava Judith Parks
David Noite Patterson
Wayne Allen Paul
Susan Maureen Pepper
Godfrey Holterhoff Pflager
Roselle Phillips
Martin Jerome Plax
Mary Poindeker
Adrienne Pearl Polmer
Sanford Edwin Pomeranz
Marcia Claire Preston
Georgia Lee Quick
Jill Ann Raschke
Dorothy Foster Reichenbach
Susan Ellen Reinhardt
Carl Anderson Rhodes
Walter Sanford Rist
Susan Mahoney Ritter
Vicki Lynne Roberts
Carole Robinson
Fred Nelson Rogers
Phyllis Lynne Rosenbaum
Judith Sylvia Rosenberg
Eileen Kay Rosenthal
Ruth Ann Rosnick
Jay Allen Rothman
Gail Parker Ruby
Joel David Ruffman
Margaret Carol Sachs
Carole Sue Sallinger
Robert Allen Samuels
Joann Schaer
Steven McDowell Schneiderman
Gail Darr Schroeder
Harold Albert Schroer, Jr.
Irl Harris Seifer
Susan Joel Selvidge
Barbara Jean Sethey
Barry Sharon
Alvin Harvey Sher
John Boogher Shewmaker
Pauline Anne Smith
Arthur Michael Solomon
Carolyn Joy Sorkin
Jacqueline Virginia Stewart
Jeanette Marie Stis
Allen Lewis Stine
Susan Carol Stone
Terry Bill Sutherland
James Robert Swain
Mary Weis Teske
Judith Rae Thaller
Kay Ellen Thurman
Trebor Jay Tichenor
Selenia Rolfe Towle
Cynthia Nichols Travers
Gerald Myron Tulman
Jacqueline Valeria Turnage
Michael Dee Vandeveer
Jitka Vera Velinsky
Patricia Ann Viviano
Dorothy Bursik Votoupal
James Robert Weber
Arthur Curtis Washburn
Stanley Lester Waxelman
Robert David Weber
Gail Weidemueler
Jo Louise Weinbach  
Barbara Louise Weinberg  
Elaine Ruth Weinreb  
Ann Lee Wermuthmiller  
Mary Lee Wieland  
Gary Gene Wiesman

Judith Marie Williams  
Linda Carolyn Williams  
Charles Francis Williamson, Jr.  
Stuart Kay Wilson  
Arthur Farrell Wortman  
Margaret Meschen Wrausmann  
Marilyn Mae Young

David Steven Austin  
Holden Baker  
Robert Eugene Bandy  
John Morace Beard  
Muriel Lee Berger  
Joyce Couturie Brinton  
Stephanie Ann Coleman  
Karen Inez Cramer  
Jane Dora Crockett  
Joan Posey Edsell  
James Nick Elof  
Ronald Walker Enloe

Edna Joyce Farrokhi  
Steven T Fishman  
Ina Marie Fitzhenry  
Linda George Freiberg  
Stephanie Hesser Gersten  
Suzanne Geist Hallett  
Marilyn Less Hoffman  
Kent Douglas Johnson  
Phyllis Adele Kohler  
Maxine Kreitzer Moffatt  
Robert Richard Murphy  
Nancy Eileen Niedringhaus

Awarded January 28, 1963

Judith Cass Novak  
Sandra Osheroff  
Joan Elaine Plessner  
Peter Lorenz Powell  
William Reed Rayburn  
Jeffrey Charles Reiss  
Ann Schneider  
Guy Stanley Schuermann  
Wylie Frances Segenreich  
Landy Suzanne Weis  
Janis Wirtel Weston  
Kristine Ann Zahm

Awarded August 31, 1962

Carol Eilene Armbruster  
Barbara Ann Barenthaler  
Priscilla Line Batty  
Eugene Lyle Baum  
David Lee Bayliss  
Eldered Novis Bell, Jr.  
Donna Gail Berra  
Patricia Irene Cole  
Susan Rench Corrington  
Kancie Boyd Ethridge  
Linda Isabelle Fowler  
Alan Arden Geiger  
Zoe Carp Gellman  
Harry Gerreshonson, Jr.  
Marguerite Ann Gisburne  
Judith Esther Goldschmidt  
Alice Archer Grey  
William Franklin Handy, Jr.  
David Allen Hanks

John Richard Hanson II  
Robert Emile Hanson  
Stephen Glen Harner  
Jane Nutter Hill  
Wilda Jean Holt  
Susan Anne Holz  
Lee Reynolds Hougen  
Dellarevier Olivia Jay  
Janet Miller Kahle  
Earl Michael Kappelion  
Michael Andrew Katz  
Carol Ann Kornblum  
Geraldine Prohe Levine  
Joyce Johnson MacKenzie  
Vivian Dee Mills  
Joseph Lawrence Moceri  
Sara Fay Morganstern  
Janet Margaret Nead  
Nancy Leah Neidt  
Karen Elizabeth Paine

Awarded August 31, 1962

Oheneba Kwasi Akomea Poku-Kankam  
Lloyd Lowell Rich  
Rosulie Deanna Riggs  
Barbara Ann Rinderer  
Jerrold Jay Rothman  
Phyllis Wishne Russell  
Cecilia Sandoval  
Ruth Lee Saunders  
Marlene Mae Schenberg  
George Shea Schuster  
Susan Greenspon Seidel  
Noelene Estes Self  
Mary Louise Shannahan  
Michael Robert Singer  
Stephen Earl Sitzer  
Donna Kay Swope  
Thomas Hayward Swope  
William Irving Thornton, Jr.  
Judith Scullin Tilson

BACHELOR OF SCIENCE IN EDUCATION

Candidates—June 10, 1963

Gail Louise Bruce  
Mary Alice Hayes  
Nancy Sue Kipling  
John Butler MacKenzie  
Vicki Sue McCormick  
Awarded January 28, 1963

Mary Marion Howell  
Awarded August 31, 1962

Edwin Richard Stein

BACHELOR OF MUSIC

Candidates—June 10, 1963

Robert John Boedges  
Deborah Brown Coomber  
Gerald Michael Furi  
Lynne Kathleen Schuler  
Awarded January 28, 1963

Joe Carrol Patterson  
Joan Weinstein Zuckerman  
Awarded August 31, 1962

Jerry Merlin Stanley
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 10, 1963

Lawton Paul Drury, Jr.  
John Charles Puterbaugh  
Victor Anthony Walther, Jr.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Candidates—June 10, 1963

Robert Arthur Birke  
Suren Gordhandas Dutia  
Ralph Leo Feldt  
Michael Theodore Foley  
William Harold Gaitskill

David George Hartzog  
Fred Michael Kalish  
Thomas Frederick Langwith  
Richard Edward Mertz

Thomas Carter O'Brien  
Adolph Frederick Reinecke  
Albert Vincent Siniscal  
David Oscar Sutter  
Richard King Teague

Awarded August 31, 1963

Alvin Aubrey Mayer, Jr.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Candidates—June 10, 1963

Barrett Eckert Benson  
David Lee Brooman  
William Edward Drebes

John Michael Droke  
Nicholas Joseph Honich  
Dale Ronald Missler  
Harold John Noltensmeyer

David Brian Nuss  
Theodore Popowchak  
Philip Eugene Stone

Awarded January 28, 1963

Michael Charles Manion

Awarded August 31, 1962

Sylvan Lee Goldberg

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Candidates—June 10, 1963

James Oscar Baltz  
Harold John Barmeier, Jr.  
Stuart Beryl Boxerman  
Thomas Richard Brinner  
James Langton Carroll  
Clark Whitaker Davis  
Jordaan Henry Eggers  
Reinholdt Joseph Eufinger, Jr.  
Louis Seth Fizer

Fred Orville Hale  
Lawrence Edward Hanebrink, Jr.  
Gerald Norman Johnson  
Gerald Ray Johnson  
Myron Arthur Kern  
Clyde Ruben Lazzareschi  
Joanne Barbara Leonard  
William Frank Lins  
Stephen Joseph Lukefahr  
Ronald Ewell Markland

Vincent William Michael Matejka  
William Joseph McCord  
William Henry Miltenberger III  
Donald George Moellenhoff  
Ralph Allen Murphy  
Ray Sherrod  
Dennis John Tyberend  
Robert Kenneth Underwood  
Nathan Frazer Williams, Jr.

Awarded January 28, 1963

James Edward Campbell  
Patrick James Davis

William Jesse Eves  
Clarence John Howard

Charles Joseph Slade  
Melvin Beryl Whittet

Awarded August 31, 1962

BACHELOR OF SCIENCE IN ENGINEERING PHYSICS

Awarded January 28, 1963

Milton Young Jai Cha
BACHELOR OF SCIENCE IN ENGINEERING SCIENCE

Candidates—June 10, 1963

Robert Ray Bocek
Don Thomas Grafues
Josef Harold Grafues, Jr.
Richard Logan Green
John Henry Hafner
Alan Jay Kessler
Raymond Karl Mueller
Leo Edward Pierce
Robert Richard Polkinghorne
Donald Craig Shumate
Kaye Ellen Shumate

Awarded January 28, 1963

Nicholas Petros Cassimatis

Robert Marshall Stein
Paul Judson von Doehren
William Joseph Vorih
James Herschel Whitesell, Jr.
Ronald David Williams

Walter Charles Brauer

Awarded August 31, 1962

William Gage von Weise, Jr.

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

Awarded August 31, 1962

Donald Lee Abeln

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Candidates—June 10, 1963

William Joseph Buhr, Jr.
Philip Melvin Feldman
Louis Edward Freund
Joseph Lawrence Goltzman
Stanley Alan Hack
Anthony Paul Hasek
William Robert Keris

Awarded January 28, 1963

Roger Harold Sterneck

Herman John Ilges

Awarded August 31, 1962

William Edward Albright

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Candidates—June 10, 1963

George Juri Filatovs
William Francis Flynn
Robert Allen Fries
William Richard Hausner
Simon Robert Hernandez
Edward Frank Janzow
David Leo Lohaus
Myrne Rodney Riley
Manuel Rivero

Awarded January 28, 1963

Brian David Rockel
George Joseph Sielsi

Albert Harold Kilert
Richard John Killen

Awarded August 31, 1962

Wade Walters Wilkerson

BACHELOR OF SCIENCE IN PHYSICS

Candidates—June 10, 1963

Richard Marshall Goldstein
Leonard Michael Sander
Daniel Alan Schwartz

William Sloan Varnum
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 10, 1963

IN APPLIED MECHANICS AND STRUCTURES
Charles Roy Farwell, Jr., B.S.C.E., Illinois Institute of Technology
Chien-Hung Pao, B.S., National Taiwan University

IN AUTOMATIC CONTROL
Michael Antonio Madonna, B.S.M.E., Washington University
Benyamin Segalis, B.S.E.E., Technion, Israel Institute of Technology

IN CHEMICAL ENGINEERING
Charles Lane Johnson, B.S.Ch.E., New Mexico State University
Sheldon Noble Robinson, B.A., The Rice Institute; B.S.Ch.E., ibid.

IN ELECTRICAL ENGINEERING
Donald Edward Parsons, B.S.E.E., Michigan State University

IN ENVIRONMENTAL AND SANITARY ENGINEERING
Deepak Chandrakant Kantawala, B.E., University of Bombay

IN INDUSTRIAL ENGINEERING
Milton Joseph Seidel, B.S.Aero., Parks College of Aeronautical Technology

IN METALLURGICAL ENGINEERING
Harry Paul Materne, Jr., A.B., Westminster College
Richard Andrew Reeves, B.S.Met. Engr., Washington University

Awarded January 25, 1963

IN CIVIL ENGINEERING
Abdulla Hassan Khaffaf, B.S.C.E., University of Baghdad
Manubhai Dahyabhai Patel, B.E., Gujarat University
Elmer Henry Payne, B.S.C.E., Washington University

IN ELECTRICAL ENGINEERING
Adolph Maynard Engebretson, B.E.E., University of Minnesota
David Culcura Okeko, B.S.E.E., Purdue University

IN ENERGY CONVERSION
Albert E Cohen, B.S.Ch.E., Washington University

IN ENVIRONMENTAL AND SANITARY ENGINEERING
Francis Laurence Evans III, B.C.E., Manhattan College
Robert Marion Roek, B.S.M.E., University of Missouri School of Mines and Metallurgy

Awarded August 31, 1962

IN APPLIED MECHANICS
Joseph Schmich, A.B., Washington University

IN CHEMICAL ENGINEERING
Woo-Chun Hsu, B.S., Chung Kung University

IN ELECTRICAL ENGINEERING
Prasan Mahattanakul, B. of Engr., The University of Sydney
Louis Nicholas Medgyesi-Mitschang, B.S.E.E., Washington University
Joseph Lee Wyland, B.S.E.E., Washington University
Johnny Dah-Chun Yu, B.S., National Taiwan University

IN ENVIRONMENTAL AND SANITARY ENGINEERING
John William Caskey, B.S.C.E., Washington University
John Thomas Cookson, Jr., B.S.C.E., Washington University
Henry Gerard Schwartz, Jr., B.S.C.E., Washington University
IN MECHANICAL ENGINEERING
Donald Maynard Davidson, B.M.E., University of Minnesota
Larry Allan Haas, B.S.M.E., Washington University
Martin Hyland McClurken, B.S.M.E., Washington University
Donald Fred Schnell, B.S.M.E., Washington University
Lawrence Joseph Wolf, B.S.M.E., Washington University

MASTER OF ENGINEERING ADMINISTRATION
Candidates—June 10, 1963
Victor Roy Ahrens, B.S., Iowa State College
Edward Patrick Bradley, B.S.Aero.E., Iowa State College
Conrad Kimball Eastman, B.Ch.E., Rensselaer Polytechnic Institute
Jack Austin Haynes, B.S.E.E., University of Missouri School of Mines and Metallurgy
Ivars Sarkans, B.S.I.E., Washington University
Raymond Frederick Walters, B.S.Ch.E., Washington University

Awarded January 28, 1963
Billy Wayne Corlew, B.E., Vanderbilt University
William Edward Mengel, B.S.M.E., Washington University; M.S., ibid.
Robert Larkin Seat, B.S.M.E., Bradley University

DOCTOR OF SCIENCE
Candidates—June 10, 1963

IN ENVIRONMENTAL AND SANITARY ENGINEERING
Robert George Spicher, B.C.E., Cornell University; M.S., University of California
Title of Thesis: Potassium Permanganate Effects on Organic Refractories from River Water

IN METALLURGICAL ENGINEERING
Gene Joseph Carron, B.S.Met.Engr., University of Missouri School of Mines and Metallurgy; M.S., Washington University
Title of Thesis: The Determination of the Crystal Structure of Arsenic Telluride

Awarded January 28, 1963

IN APPLIED MECHANICS
Peter Gardner Hansen, B.S.C.E., University of Missouri School of Mines and Metallurgy; M.S.C.E., ibid.
Title of Thesis: Residual Stress Systems Created by Inclusions in Multiphase Materials

IN CHEMICAL ENGINEERING
Richard August Louis Eidman, B.S.Ch.E., Washington University
Title of Thesis: Surface Activation of Polymer Films by Electric Discharge
David Carl Hagen, B.S.Ch.E., Washington University
Title of Thesis: An Investigation of the Viscoelastic Properties of Molten Polymers in the Region of Non-Linear Stress-Strain Behavior

IN ELECTRICAL ENGINEERING
Julius Brown, B.S., The College of the City of New York; M.S.E.E., Saint Louis University
Title of Thesis: Secondary Electron Emission from Specially Prepared Surfaces

IN INDUSTRIAL ENGINEERING
Mustafa Turgut Ozan, Dipl. Ing., Swiss Federal Institute of Technology; M.S., University of Birmingham

Awarded August 31, 1962

IN MECHANICAL ENGINEERING
Peter Clark Bertelson, B.S.M.E., Carnegie Institute of Technology; M.S.E., University of Michigan
Title of Thesis: Heat Transfer in Porous Media
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 10, 1963

Louis Edward Alfeld
Charles Scott Amison
Jaime Alonso Barreto
Michael Manson Bloom
Dennis Alexander Cassani
William Allan Chaitkin
Lawrence A Diamond
Gerald Colman Fritz
Albert Burr Fuller, Jr.
Raymond Charles Gnesevich
Martin Emerson Gorman
James Rex Harris
Fred Nicholas Jeffrey
Earl Kessler
Dennis John Kilper
Norma Jean Lamb
Seth Howell Langton
Joseph Andrew Meisel III
Peter Ohlhausen

Awarded January 28, 1963

John Leo Hoffmann
Julius Jurácsik

Awarded August 31, 1962

Stanton Jay Gralnick
James Marvin Kirts
Donald Porter Wilson

BACHELOR OF ARCHITECTURE

Candidates—June 10, 1963

Louis Edward Alfeld
Allen James Boemer
James Newman Booth
Richard Louis Brewer
Charles Norman Jones
Robert Scott Jordan
Alvin Lever
Charles Mayer III
Joseph Andrew Meisel III
William Louis Crick
Thomas Adger Rogers
Warren Vernon Suché

Awarded January 28, 1963

Elmer Carl Fischer, Jr.

Awarded August 31, 1962

Stephen Nell Abend
Jerry David Goldberg
Christopher Cornelius Layton
Raymond Charles Nadaskay

MASTER OF ARCHITECTURE AND URBAN DESIGN

Candidates—June 10, 1963

William David Bonville, B.Arch., Washington University
Don Lee Brandenburger, B.Arch., Washington University
Iain Campbell, Dipl.Arch., Robert Gordon's Technical College, Aberdeen,
Scott Sutherland School of Architecture
Gunduz Dagdelen, B.A., American College for Girls at Istanbul; B.Arch.,
University of Illinois
Ralph Herman Ininger, B.Arch., Washington University
Herbert Frank Loidolt, Dipl.Ing., Vienna Institute of Technology
Shigeyuki Okazaki, B.S.Arch.Eng., Kyoto University
Eric Gustav Pettersson, Arch.M.A.A., Royal Academy of Fine Arts
Robert Harper Thompson, Jr., B.Arch., Washington University

10
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 10, 1963

Sanford Harold Adler
Thomas Carl Amberg
Michael Gerald Berezin
Carl Anthony Bianco
Harold Theodore Bohlmann
Rodney Louis Bonar
Barbara Ann Bottchen
Linda Pearl Brin
Katherine Jane Busboom
Harvey Morton Cohen
Floyd Paul Cook, Jr.
Marshall Carl Cutler
Harold John Daub, Jr.
John Maurice Dunker
David Noble Everly
Glen Arthur Featherstun
Bernard Harlan Feinstein
Donald Louis Fitzgerald
Susan Jane Fleschner
Edward Charles Francis
Irwin Moses Fredman

Amor Abid
Amanallah Mohamed Ben Amor
Stephen Allen Flusser
Robert Paul Hagemann

Sanford Harold Adler
Thomas Carl Amberg
Michael Gerald Berezin
Carl Anthony Bianco
Harold Theodore Bohlmann
Rodney Louis Bonar
Barbara Ann Bottchen
Linda Pearl Brin
Katherine Jane Busboom
Harvey Morton Cohen
Floyd Paul Cook, Jr.
Marshall Carl Cutler
Harold John Daub, Jr.
John Maurice Dunker
David Noble Everly
Glen Arthur Featherstun
Bernard Harlan Feinstein
Donald Louis Fitzgerald
Susan Jane Fleschner
Edward Charles Francis
Irwin Moses Fredman

BACHELOR OF SCIENCE IN RETAILING

Candidates—June 10, 1963

Joan Louise Dillon
Louise Bayerstedt Harre
Marjorie Feldman Joffe

Awarded January 28, 1963

Frank Reynolds Dyer

Awarded August 31, 1962

Nelson Alexander
Margaret Jean de la Torre

M. A. S T E R OF BUSINESS ADMINISTRATION

Candidates—June 10, 1963

Edward Mayes Behnken, B.S.E., Southern Methodist University
James Robert Burmeister, A.B., Washington University
Bill Charles Downs, B.S.B.A., Washington University
Ernest Gruenfeld, B.S.B.A., Washington University; LL.B., ibid.
Glenn Joseph Hendry, Jr., B.B.A., University of Notre Dame
Louis Donald Keller, Jr., B.S.M.E., Washington University
Waldo Arnold Kreder, B.S.B.A., Central Missouri State College
Richard Walter Lampertz, B.S., Washington University
Delmar Duane Mayhew, B.S. in Bus., University of Kansas

Beverly Ann Oberman
Robert Paul O’Neal, Jr.
Edward Adrian Peterson
Vernon John Pumm
Gerald Ware Regenstein
Robert Allen Ridgway
James Johnstone Ritterskamp III
Gary Michael Roodman
Lila Ann Ross
Jerry Lee Roth
Ronald L Rothman
Stephen Ira Sherman
Charles Harley Stegmeyer
James Oliver Steinbruegge
Nancy Sue Steimbann
Donald Francis Stone
Wayne Lee Taylor
William Harry Walters, Jr.
David William Welch
Wayne William Winter
Denver Macajah Wright III

Awarded January 28, 1963

Byron William Jackson, Jr.
Mohamed El Majid Kria
Norman Irving Leve
Marilyn Anne McCrory
Michael Spencer McGinley

Awarded August 31, 1962

Melvin Henry Checkett
Mohamed Radhi Cherif
David Comfort
Joan Wurth DeFrancesco
Mongi Dhaou
Ronald Harry Doerr
John Garnett Eggmann
Robert David Gersten
William Edwin Guy, Jr.

Dean Lawrence Miner
Mohamed Hedi Mizouni
Daniel Lawrence O’Connor
Leonard Earl Raiffe

Georgia Rae Hodge
Harvey Fred Lasky
Gary Gregory Lazaroff
Wilson Lewis, Jr.
Robert Eugene Oidtman
Abderrahman Robana
Mahmoud Triki
Sanford Lee Wolff
Mustapha Zardi

Awarded January 28, 1963

Margaret Woodlock Kerwin

Awarded August 31, 1962

Margaret Jean de la Torre

Patricia Lou Fortner
Awarded January 28, 1963

James Walter Metcalfe, B.S.B.A., Washington University
Raymond Wesley Pitchford, B.S., University of Illinois
Carl Alfred Rohde, B.S.C.E., Purdue University
Lennart Nils Thunstrom, B.Ph., University of Chicago; B.Aero.E., Purdue University
Norman Harvey Vanasse, B.S., University of Connecticut
James Milne Yates, B.S.C.E., Washington University

Awarded August 31, 1962

Carroll Hugh Abramson, B.B.A., Tulane University of Louisiana
George Walter Barker, B.S.B.A., Washington University
Henry Bond III, B.S., University of Chattanooga
Ronald Edward Cook, A.B., Washington University
Mark Eseador Emerson, B.S., University of Wisconsin; M.S., ibid.
Hillis Langhorne Howie, Jr., B.S.Geol.E., Washington University
Kent Douglas Johnson
Lai Sung Kim, A.B., Drury College
Robert Combs Lasley, B.S.I.E., Washington University
Young Chong Lee, B.S.B.A., Washington University
Howard Eugene Lovely, B.S., United States Naval Academy
Delbert Joe Metheny, B.S.A., University of Oklahoma
William Henry Owen, B.S.M.E., Washington University
Charles Andrew Sawicki, B.A., University of Notre Dame
Merrill Edward Schelich, B.S.B.A., University of Missouri
Robert Adolph Schuchardt, B.S.B.A., Washington University
Stephen Alexander Welsh, B.B.A., University of Miami
James Grant Weston, B.S.B.A., Washington University

M A S T E R  O F  S C I E N C E  I N  A C C O U N T I N G

Awarded August 31, 1962

N. Bernard Basch, B.S.B.A., Washington University

M A S T E R  O F  S C I E N C E  I N  B U S I N E S S  A D M I N I S T R A T I O N

Candidates—June 10, 1963

Robert Joseph Hrastich, B.S., Saint Louis University
William Arthur Schultz, B.S., Washington University

D O C T O R  O F  B U S I N E S S  A D M I N I S T R A T I O N

Candidates—June 10, 1963

Raymond Lewis Hilgert, A.B., Westminster College; M.S.B.A., Washington University
Title of Thesis: An Analytical Study of a Multiple-Union Organization Using a Behavioral Science Approach
Keith Barnard Johnson, B.S., State University of New York; M.B.A., Washington University
Title of Thesis: An Analysis of the Permanent Price Change Associated with Common Stock Splits
Title of Thesis: The Effect of Electronic Data Processing Upon the Management Organization of a Large Shoe Manufacturing Company
The Following Candidates Will Be Presented By
EARNEST SILAS BRANDENBURG, PH.D., Dean

BACHELOR OF SCIENCE

Candidates—June 10, 1963

Gerald Lewis Adlon
William Robert Andler
Norman Arne Arneson
Warren Joseph Barrios
Frank Anthony Bathe, Jr.
Richard Henry Baumgartner
Francis Andrew Bayer, Jr.
Ronald Gerard Behnen
Arthur Anthony Bellingar
James Lynn Benson
Michael Bernard Bryant
James Vernon Burton
William Lawrence Capehart
Carroll Raymond Chamness
Robert JosephChartrand
Kemper Richter Coffelt
Billy Joe Coleman
Ion Constantinides
Harris Oscar Cutler
William Stanley Dickey
Thomas Haley Divney
Kenneth Edward Fiebig
Vernon Werner Fischer
Robert Charles Fisher
Marvin William Foster
Robert James Fraser
Louise Moss Friedman
Frank Joseph Gross, Jr.
Robert Joseph Gunter
Alfons A. Hammer
Edward Joseph Harrison, Jr.
Christian Sidney Harstick
Joyce Ann Hartoebben
Ferdinand Hauser
Dale Thomas Hearty
Gary Kent Higgs
Jerald Lee Hill
Howard Hiromu Hiura
Wilber Noel Hobson
Richard Lloyd Hubbard
Robert David Hurth
Alex Richard Jablonski
Walter John Jorg
John Thomas Johnston
Peter Christ Karras
Diane Lamar Keaton
Terence Martin Kelly
Max Wilbur Kinley, Jr.
Kenneth Alan Kottemann
Oliver William Kurth
Alfred Francis Langos, Jr.
Russell Herbert Latta, Jr.
John Michael Lysell
James Edward Malen
Richard Earl Mansfield
Alfred Smith McCaffrey
Donald John McMahon
Richard Eugene Menges
Robert Arthur Miller
Ruby Fishman Miller
Robert Bernard Miriani
Grace Finley Moore
Thomas Gilbert Moore
George Alexander Myles
David Boulton Oberbeck
Ines Gonzalez de Perez
Alma M.
Louis George Poelker, Jr.
William Munro Roberts III
James Edward Malen
Ivan Jay Rothman

Awarded January 28, 1963

Leonard Edward Gentry
Nicolas Mike Georgiotes, B.S.E.
Joseph Brown Griffith, Jr.
David John Grothaus, Jr.
Robert Thomas Harvey
Ronnie Dean Hopper
Richard Lewis Huhn
Edward Raymond Lanser
Robert Frederick Lasater
Robert William Latzer
Edward Rader Levy
John Charles Loosn
Edgar Lloyd Lyston
Charles Menchaca
Nicholas Joseph Metzger
Viola Jean Salg
Kenneth Blair Schaefer
Robert Edward Schroeder
Maja Floria Schult
EvaLee Fowler Settle
Osborne Shannon
Sunnie Willard Shober
John Quail Skilling
Daniel Anthony Smereci
David Ames Spalding
Lynn Eugene Sparkman
Roger Lee Stadler
James Harvey Stewart
Stanley Douglas Stickle
Allan Anthony Suselltrop
John Francis Summers, Jr.
Orlo Dwayne Summers
Gary Travis Taryle
Thomas Pahlis Van Leunen
William Frederick Wachter
Bernard William Weirich
Jack Eugene Welsh
Edward William Whitel
Thomas Lee Whitty
Audrey Pauline Whittenberg
Arthur Anthony Wiegand
Charles Henry Wiersma
John Tillman Williams
James Theodore Willmington
Gerald Glenn Wilson
Howard Woodrow Wilson
Edwin Kops Wisbrun
Kenneth Arman Withbrod
William Raymond Withrow
John Charles Yashuk
Jules Collins Zirwes

Edward Allen Murphy
Glennon Raymond Neiman
Raymond George Richardson
Vera Brangan Ross
Gerald Raymond Schaefer
Lewis Henry Schaefer
Robert Bernard Schlattmann
Thomas Edward Schulte
Anna Schulte
Edward Henry Sellman
Neil Conrad Stabenow
John Louis Steinhebler
Joseph Patrick Winkelmann
Robert Lee Woodrell
Richard Dale Wooley

Awarded August 31, 1962

Emil Raymond Kopp
Dorothy Mary Kopriva
Harry William Kroeger, Jr.
James Fletcher Loyo, Jr.
John Paul Mccann, Jr.
Donald William Moriarty, Jr.
William Jack Newman, Jr.
Ivan Dale Parker
Jerome Parnas

Donald James Randolph
Larry Wendell Rivers
Mary Hodgdon Robinson
Betty June Schlichen
Douglas Simpson
George Edward Vandermate
Dolph William Von Arx
Judith Poland Wiggins
BACHELOR OF SCIENCE IN EDUCATION

Candidates—June 10, 1963

Muriel Eva Akers
John William Amick
Jill Auerbach
Margalit Avital Ben-Zvi
Bonnie Ruth Bills
Gladys Fitzgerald Chaney
Carol Ann Crenshaw
Elizabeth Semple Cunliff
Patricia Elizabeth Favalon
Eva Stovall Flynn
Virginia Goodman

Carol Ruth Greenspan
Alice Shivers Hudson
Frederick Don Jessup
Susan Beth Mann
Janet Marie Marple
Annette Joan Meyer
Anne Mitchell
Mary Louise Moss
Judith Ann Reiche
Edward Allan Richards

Viola Elizabeth Rogers
Jane Susan Rudolph
Barbara Rae Smith
Elsa Kay Sommers
Bert James Stewart
Patricia Ann Stillman
Joan Elnor Strasser
Frankie Phyllis Tandy
Sally Ann Thym
Maria Jane C. Tompras
Marlene Gaye Zolman

Pauline Marie Chism
Marjorie Smith Cope
Georgia Anna Creech

Candidates—June 10, 1963

Margaret Adeline Armistead
Gladys Gibson Bequette
Mary Kate Bloom
Sybil Byers Boyer
Louree Philson Brandenburg
Byron A. Bruffee, Jr.
Sheila Patricia Davis
Myra Jameson Dearing
Betty Eileen Deering
Donna Faye Doughty
Audrey Vernice Downs
Joy Lending Dubinsky
Robert Dale Essmeyer
Charles Douglas Fitzgerald
Norma Maxine Fox
Paul Duane Foxworthy
Lois Luella Gambill
Kathleen Marie Gilleran

Dorothy Ann Greenspan
Harold Leon Giletrap
Helen Barrett Gipson
Millicent Joan Graff
Kenneth Ray Guest
Minnie Elizabeth Hale
Anna Crow Halmich
Shaw Hardin, Jr.
Frances Marian Koberg
Alline Wills Kennedy
Papinta John Knowles
Bruce Erbe Landmark
William Dean McCarr
Joan Lorbiecki McCarthy
Hattie Delora McFarland
Flora Cohen Minkel, B.S.
Dorothy Frances Moore

Awarded January 28, 1963

Constance Williams Freese
Sarah King Greenway
Wilbert Franklin McKinney

Edith Irene Murphy
Mary Braun Reeg
Charles Franklin Sherertz

Awarded August 31, 1962

Margaret Adeline Armistead
Gladys Gibson Bequette
Mary Kate Bloom
Sybil Byers Boyer
Louree Philson Brandenburg
Byron A. Bruffee, Jr.
Sheila Patricia Davis
Myra Jameson Dearing
Betty Eileen Deering
Donna Faye Doughty
Audrey Vernice Downs
Joy Lending Dubinsky
Robert Dale Essmeyer
Charles Douglas Fitzgerald
Norma Maxine Fox
Paul Duane Foxworthy
Lois Luella Gambill
Kathleen Marie Gilleran

BACHELOR OF FINE ARTS

Candidates—June 10, 1963

Victor Gene Bassman
Jane Stout Culp
Susan Margaret Daykin
Barbara Joyce Handshear
Mary Ann Hoechst
Carol Sue Horstman
Katherine Mary Klein

Dorothy Ann Koons
Sarita Joy Levin
Robert Eileen Marks
Lawrence Truman Pfisterer
Mary-Eva Risser
Myra Jewel Saladino
John Vincent Schnell
Ruth Ann Schobel

Edith Clare Schwendemann
Allan Richard Shiekman
Virginia Mary Sowinski
Sondra Bitite Veilands
Kenneth Richard Worley
Robert Gerald Zignago
Judith Susan Zuckerman

Constance Bradshaw Conway

Awarded January 28, 1963

Barbara Elaine Klein
Paul David Reising

Sidney Marks Wright

Awarded August 31, 1962

Judith Ann Barrett
Marjorie Anne Vierling Bavas

Robert Paul Fanter
Michael Charles Foley
Gaylon Lightner

Teresa Reich Meystrick
Cathleen Mary Power

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 10, 1963

Victor Gene Bassman
Jane Stout Culp
Susan Margaret Daykin
Barbara Joyce Handshear
Mary Ann Hoechst
Carol Sue Horstman
Katherine Mary Klein

Dorothy Ann Koons
Sarita Joy Levin
Robert Eileen Marks
Lawrence Truman Pfisterer
Mary-Eva Risser
Myra Jewel Saladino
John Vincent Schnell
Ruth Ann Schobel

Edith Clare Schwendemann
Allan Richard Shiekman
Virginia Mary Sowinski
Sondra Bitite Veilands
Kenneth Richard Worley
Robert Gerald Zignago
Judith Susan Zuckerman

Constance Bradshaw Conway

Awarded January 28, 1963

Barbara Elaine Klein
Paul David Reising

Sidney Marks Wright

Awarded August 31, 1962

Judith Ann Barrett
Marjorie Anne Vierling Bavas

Robert Paul Fanter
Michael Charles Foley
Gaylon Lightner

Teresa Reich Meystrick
Cathleen Mary Power
THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK

The Following Candidates Will Be Presented By
WAYNE VASEY, M.A., Dean

MASTER OF SOCIAL WORK

Candidates—June 10, 1969

Neno Joseph Aiello, B.A., Sacramento State College
John Buckler Auten, B.A., University of Minnesota
Hanna Avidor, Dipl.S.W., Hebrew University
Carl Joseph Baker, Jr., A.B., University of Illinois
Elizabeth Bernice Barnes, A.B., National College
Ralph Firestone Bowers, Jr., B.A., Vanderbilt University
George Edward Dixon, A.B., The University of Kansas
Jean Rose Driscoll, B.S., Central Missouri State College
Stanley Erdman, A.B., University of Denver
Carolyn Clendenin Foster, B.S.Ed., West Virginia State College
Thelma Marion Frost, B.S.P.A., Washington University
Lorraine Eleanor Galle, B.S., Bethel College; M.S., Kansas State College
Lynette Elaine Harris, B.S., The Florida State University
Erla Hoover, B.A., Goshen College
Earline Ann Ingram, B.A., University of Hartford
Anthony Jenkins, B.S., Tennessee Agricultural and Industrial State College
Marcia Louise Johnson, B.A., Gustavus Adolphus College
Donald Eugene Joos, B.S., Bradley University
Suzanne Sian Kelly, B.A., Long Beach State College
Milton Garner Klein, B.A., Southwest Missouri State College
James Andrew McKenna, B.A., The State College of Washington
Richard Wayne Pike, B.A., Iowa State Teachers College
Larry Franklin Renetzky, B.A., Illinois College
John Anthony Rex, Ph.B., University of North Dakota
Carrol Eugene Rognlie, Ph.B., University of North Dakota
Isabelle Gail Schreiber, B.A., Elmhurst College
Zelda Jacobson Schwartz, B.A., Skidmore College
Rosellen Schwermann, B.A., University of Minnesota
Mervin Dale Shaw, B.A., The Cincinnati Bible Seminary; Th.B., Ibid.
Carl Lee Smith, B.A., Philander Smith College
Deanna Mildred Stob, B.A., Warburg College
Richard Lloyd Swaine, A.B., University of Missouri
Claire Josephine Talbot, A.B., Washington University
Frederick Zane Weiss, B.S., Bradley University

DOCTOR OF SOCIAL WORK

Candidate—June 10, 1963

Charles William Laughton, B.A., American University; M.A., University of Chicago
Title of Thesis: An Analysis of Contemporary Efforts to Explicate Community Organization Practice and a Proposal to Utilize Intervention in Process as a Conceptual Framework for Such Practice

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 10, 1963

Richard Jerold Aberson, B.S. in Comm.
James Edward Aquavia, Jr., B.A
John Julian Barnes, Jr., B.A.
Allan Berg
John Torrey Berger, Jr.
Richard Allen Block, A.B.
John Louis Boeger, B.S.B.A.
Conway Brown Briscoe, Jr.
Robert Leonard Brown
George James Bude, A.B.
William Baird Cagle, B.S.
David Joe Cassady, B.A.
Stanley Herbert Chorlins
William Stanley Churchill, B.S.B.A.
William Horace Crandall, Jr., B.S.B.A.
Robert Oscar Dawson, A.B.
Morris Kenneth Ebeling, A.B.
Forriss Dugas Elliott, B.A. Bus.
Adwin
Donald Gerald Gasaway, B.S.
Lester Howard Goldman, B.S.B.A.
Harold Goodman, A.B.
Frank Norman Gundlach, A.B.
John Theodore Isaacson, A.B.
Eugene Fusz Jordan, B.S.
Harvey S. Kopitsky
Paul William Kepsky, B.S.B.A.
Jerome Stanley Kraus, A.B.
William Henry Leyhe III, A.B.
Murry Aaron Marks, A.B.
Charles Hugh Nelson, A.B.
William Allen Peterson, B.S.
Alois Robert Pierce, Jr., A.B.
Walter Casimir Plecka, A.B.
Alan Edward Popkin
John Gallup Roach, A.B.
Alfred Paul Rosche, Jr., B.B.A.
James Clement Rosner, B.S.B.A.
Richard Allen Roth
Timothy Frederick Ruddy, B.S.
Earl Henry Schachtien, A.B.
Ivan Irl Schenberg, A.B.
Paul Michael Denk, B.S.C.E.
Frank Thomas Farin, B.S.
John Joseph Schlueter, Jr., A.B.
Norman Allan Seiner, A.B.
Louie Eleazor Sperry, B.S.
Lawrence Paul Tiffany, A.B.
George Edward Van Meter, B.A.

Awarded January 28, 1963

Paul Joseph Pruneau, B.S.B.A.
Irvin Calvert Slate, Jr., A.B.

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

The School of Dentistry

Master of Science in Orthodontics

Candidates—June 10, 1963

Fred Albert Garrett, D.D.S.
Juan LaMar Hutchings, D.D.S.
Paul Raymond Olsen, D.D.S., B.S.

Master of Science in Prosthetics

Candidate—June 10, 1963

William Allan Kuebker, D.D.S.

Doctor of Dental Surgery

Candidates—June 10, 1963

Jerry Raymond Pettle, B.S.
William Milburn Putnam
Douglas Kent Ross
William Leonard Schwartz
Don Edward Siegal, B.A.
Frederick Rue Smith, B.S.
Robert Edmund Smith, B.S.
Vernon Hilton Smith, B.S.
John Eugene Staples
Terry Richard Thalman, cum laude
William James Toole
David Yutaka Tsunehiro, Jr.

The School of Medicine

Bachelor of Science in Occupational Therapy

Candidates—June 10, 1963

Joyce Mae Crabtree
Mary Jane Grantham
Lynne Horner
Brynda Lee Dalrymple
Patricia Jean Gregory
Lynda Kay Jones
Georgia Ruth Dodd
Mary Patricia O'Kelly
June Bryna Enger
Margie Lee Hagemann
Louise Etta Welenken
J ames Brian O'Loughlin, A.B.
Marianne Towle Van Dyck

Bachelor of Science in Physical Therapy

Candidates—June 10, 1963

Charlotte Schrader
Sarah Janet Squires

Thomas George DeVouton
Meredith Ann Richards
Charlotte Schrader
Deborah Gertrude Foltz
Donna Jean Schoknecht
Sarah Janet Squires
M A S T E R  O F  H O S P I T A L  A D M I N I S T R A T I O N

Candidates—June 10, 1963

William James Barnes, B.S.
Byron C. Cole, B.B.A., M.Ed.
Nancy Craig, B.A.
Robert L. Dutton, B.A.
Earl William Eddins, B.S.

John Charles Etter, B.A.
Richard Charles Fulford, B.S.
Raymond Grossman, B.A., M.A.
George D. Hancock, B.S.
Harry C. Mobley, B.S.
George Denton Rountree, B.S.

Charles Richard Shuffield, B.A.
Andrew J. Signorelli, B.S.
Lewis W. Spencer, B.S.
Charles W. Tuck, B.S.
John William Turner, B.S.

D O C T O R  O F  M E D I C I N E

Candidates—June 10, 1963

Stanford Kwok Wah Au, A.B.
Rita Ann Bailey, B.S.
Richard Duane Baldwin
Ronald Wain Barnett
Judith Nevyas Barrett, A.B.
Stanley Julius Birge, Jr., B.A.
Gary Mack Boelling, A.B., B.S.
Lynn Louise Brislawn, B.S.
John Paul Christy, A.B.
Sheftel Japhe Cohen
Dennis Kenneth Collins, A.B.

John William Conklin, B.S.
Barrett Weldon Dick
Mark Henry Feingold, A.B.
Robert John Fowler, B.A.
Morton Gerald Glickman, A.B.
Alan Lawrence Goldman, A.B., cum laude

Marshall Gollub, A.B.
Bradner Lyle Hisey, B.A.
Donald Wayne Humphreys, B.S.
Robert Skerlock Hunt, A.B., cum laude
Hugh Charles Huntley, A.B.
Robert Duffield Hutton, B.S.
Joseph Insoft, A.B.
Frank Harold Ise, B.S.
William Steven Joffe, A.B.
Noel McKinley Johnson, A.B.

Candidates—June 10, 1963

David Michael Judge, B.A., B.S.
Irwin Stanley Kasser, A.B.
Robert Lionel Kaufman, A.B.
Melvin Eugene Kyes
Stanford Irwin Lamberg, cum laude
Charles Dwain Leonard, B.S., cum laude
Ernest Loran Lewis, A.B.
Joseph Edward Loewenstein, B.A., cum laude
Stephen Paul Londe, A.B.
Malcolm Alexander Lynch, A.B., M.D.

David Allen Markman, A.B.
Gerald Edward Meltzer, B.A.
Jerry Norton Middleton, A.B.
Robert Talbott Miller, A.B.
John Dakers Mitchell, B.A.
James Lawrence Murdock, cum laude
Donald Patrick O'Donoghue, A.B., cum laude

David Lee Nelson, cum laude
Leonard Nathan Newmark, A.B., M.A.
Stanley Jay Nudelman, A.B.
Donald Patrick O'Donoghue, B.A., cum laude
Paul Michael Packman, A.B., cum laude
Richard Lee Payne, B.S.
Walter Ray Petersen, B.S.

William Joe Phillips, B.A.
Glen Dean Pittman
Richard Irving Porter, B.S.
Taylor Archie Prewitt III, B.A.
Lawrence Clyde Price, B.S.
Thomas Fred Richardson, B.A.

Louis Jerome Rosenbaum, A.B.
Robert F. Rosenbaum, B.S.
Norman Rosenstock, A.B.
Gordon Fels Schaye, A.B.
Robert Alan Schoentag, A.B.
Gerald Robert Schwarz, B.S.

Carl Amos Schwers, Jr., A.B.
Bennett Arthur Shaywitz, A.B.
Elizabeth Clark Sowa, B.S.
Ronald Walter Sowa, A.B.

Sylvester Sterioff, Jr., A.B.
Mark Spencer Stryker, B.A., B.S.
Richard David Sweet, B.S.
Robert Melville Swenson A.B., cum laude

Lawrence Martin Unger, A.B.
Elizabeth John Valenti, B.E.
Robert Hart Waldman, B.A., cum laude
William Allan Walker, A.B.
Rodney Marvin Wishnow, A.B.
Robert Christie Wray, Jr., B.S.

THE SCHOOL OF NURSING

The Following Candidates Will Be Presented By

MARTHA MARIE BROWN, B.S., M.A., Dean

BACHELOR OF SCIENCE IN NURSING

Candidates—June 10, 1963

Louise Evans Gettys

Joyce Schnyder Hammack

Doris E. Lenox

Awarded January 28, 1963

Patricia Ann Sullivan
Betty Jean Thompson
Lois Jeanne Wikoff

Awarded August 31, 1962

Carlene Lillian Seiz
Laura Drane Sullivan
Marilyn Mary Zani

Doris Mae Connell
Lois Elizabeth Hildebrandt
Effie R. Kent

Jacqueline Mitchell
Jeanette O'Neal
Doris Elaine Snider
Gloria K. Sullivan

George Andrew Andrews
Laura Downey Bell
Ruth Elizabeth Edmonds

Velva Joy Harris
Phyllis Marie Nadler
Marianne Power

Carlene Lillian Seiz
Laura Drane Sullivan
Marilyn Mary Zani

M A S T E R  O F  S C I E N C E  I N  N U R S I N G

Candidates—June 10, 1963

Irma W. Bendel, B.S.
Irene Garrison Brown, B.S.
Earline Harriet Flottman, B.S.
Joan Miriam Gelman, B.S.
Jean Bochne Hansen, B.S.

Mildred Louise Cox, B.S.
Corinne Currier Justice, B.S.
Mary Ruth Lenny, B.S.
Mary Rita Novak, B.S.
Sandra Craig Ofahai, B.S.

Awarded January 28, 1963

Betty Sue Ray, B.S.
Lavera Ryder, B.S.
Naomi Fiesta Stockton, B.S.
Elizabeth Schmidt Stretch, B.S.
Thelma Ruth Teachenor, B.S.

Clotilde J. Pottebaum, B.S.
THE GRADUATE SCHOOL OF ARTS AND SCIENCES

The Following Candidates Will Be Presented By

LEWIS EDWIN HAHN, PH.D., Dean

MASTERS OF ARTS

Candidates—June 10, 1963

IN ART AND ARCHAEOLOGY

Richard Radford, Jr., A.B., Washington University

IN AUDIOLGY

Joseph Edward Hartung, A.B., St. Mary's College; M.A., University of Louisville
Carol Ann Vegely, B.S., Miami University

IN BOTANY

Rodrigo Arturo Alconero Pivaral, B.S., Utah State University
Vo Kim Son, Certif. Botany, Faculty of Sciences; Certif. Zool., ibid.
Leonard Benedict Thien, B.A., Southern Illinois University

IN CHEMISTRY

Caroline Bylina Bowers, B.S., State University of New York
Frederick Wallace Carson, B.S., Massachusetts Institute of Technology
Mary Mei-Ling Huang, B.S., National Taiwan University
Fay Ann Jew, B.S., University of Arkansas
Lester Lewis Leaton, B.S.Ed., Central Missouri State College; M.A.Ed., Washington University
John Winship Lyons, A.B., Harvard College
Tamea Lee Petersen, B.S.Ed., The University of Alabama; B.S.Chem., ibid.
Sylvia Jane Spencer, A.B., Washington University
Stuart Wayne Weidman, A.B., Washington University
Thomas Frederick Wulfers, B.S.Chem., Saint Louis University

IN CLASSICS

Donald Edward Hill, B.A., Queens' College, Cambridge

IN EARTH SCIENCES

Tobias Requejo Peralta, B.S.Min.E., Mapua Institute of Technology

IN ENGLISH

William James Hoetker, B.S.Ed., Southeast Missouri State College
Richard Leon Hopkins, B.A., Reed College
Sandra Jean Killebrew, B.A., DePauw University
Sanford Michael Schmidt, B.M., University of Southern California

IN HISTORY

Robert Boice Luehrs, B.A., Columbia University
Robert Michael Zailer, B.A., Queens College

IN MATHEMATICS

Gene Wiley Bennett, B.A., Evansville College
Thomas Craig Brown, B.A., Reed College
Donald Lee Curlovic, B.A., University of Notre Dame
Jimmie Ray Hattener, A.B., Washington University
Lawrence Arnold Machtinger, B.S.Ch.E., Washington University
Arthur Edgar Obrock, A.B., Washington University
Andrea May Rothbart, A.B., Wayne State University
Gordon Albert Stegink, A.B., Hope College
Harold Henry Tessereau, B.S.Ed., Southeast Missouri State College
Sally Ann White, A.B., Regis College
Jon David Wilson, B.A., Washington and Jefferson College

IN MATHEMATICS; PHYSICS

Robert William Latzer, B.S., Washington University

IN PATHOLOGY

Wagih Mohamed Abdel-Bari, M.B., Ain Shams University; B.Ch., ibid.; Diploma of Medicine, Cairo University

IN PHYSICS

Robert Leroy Bruce, B.S.Ed., Eastern Illinois University
IN POLITICAL SCIENCE
Patricia Anne Hope, A.B., Knox College

IN PSYCHOLOGY
Frank Douglas Gajo, B.S., Washington University
Thomas Joseph Laska, B.A., University of Minnesota
Edward Lee Pipkin, A.B., Washington University

IN SOCIOLOGY
Daniel Joseph Abbott, B.S., Washington University
Stanley Michael Davis, A.B., Brandeis University
William Theodore Feigelman, B.S., The City College of New York
Robin Spencer Jones, A.B., Washington University
Earl David Main, B.S.M.E., Washington University; B.D., Eden Theological Seminary
Wilfred Toshiyuki Masumura, B.A., University of Hawaii
Steven Vago, A.B., University of Alabama
Martha Wood Yancey, B.A., The Florida State University
William Layton Yancey, B.S., The Florida State University

Awarded January 28, 1968

IN BIOLOGICAL CHEMISTRY
Juanita Louise Buster, B.S., Drury College

IN ECONOMICS
Stanley Marc Berman, B.A., University of Akron

IN ENGLISH
Lewis Randolph Amis, Jr., B.A., University of Maryland
Tom Garst, B.A., Antioch College
Christopher Waldo Gross, B.A., Amherst College
Harriett Bloker Hawkins, B.A., Newcomb College
Jerry Knight Johnson, A.B., Washington University
John Marsden Reilly, B.A., West Virginia University
Gilbert Walter Schedler, B.A., Concordia Theological Seminary; B.D., ibid.
David Eugene Schramm, B.A., Concordia Theological Seminary; B.D., ibid.
Lee Davis Snider, A.B., Whitman College
Roger Henry Sundell, B.A., Yale University
Cecile Edith Williamson, B.A., Macalester College

IN GEOLOGY
Richard Paul Frey, A.B., Washington University
Louis John Kuest, Jr., B.S.Geol.E., Saint Louis University

IN HISTORY
Janet Sharp Hermann, A.B., Southeast Missouri State College
Franklin Dewitt Platt, B.A., Louisiana State University

IN MUSIC
Katherine Pejkarianz Georgieff, B.M., University of Music Mozarteum
Francis Joseph Guentner, A.B., Saint Louis University; A.M., ibid.

IN PHILOSOPHY
Bruce Albert Jannusch, B.A., Elmhurst College; B.D., Eden Theological Seminary

IN POLITICAL SCIENCE
Marianne Susman Karsh, A.B., Radcliffe College
Charles William Wiggins, B.A., State University of Iowa

IN PSYCHOLOGY
Stanley Jerome Bryer, A.B., Washington University
Herbert Goldman, A.B., Washington University
Dorothy S Lemmons, B.S., Tuskegee Institute
Helen Mary Eugenie Woodward, A.B., Washington University

Awarded August 31, 1962

IN ECONOMICS
Walter Donald Wallen, B.A., Blackburn College

19
IN ENGLISH
Martha Lynn Beck Dillon, A.B., Washington University
Helen Ruth Kuenstler, A.B., University of Illinois

IN GEOLOGY
Luis Chi Hsung Yen, B.S., University of Redlands

IN GEOLOGY; CIVIL ENGINEERING
Terry Ronald West, A.B., Washington University; B.S.Geol.E., ibid.

IN GERMAN
Drayton Granville Miller, B.S.Ed., Eastern Illinois State College

IN HISTORY
William Powell Battiste, A.B., Washington University
James Robert Kearney III, B.A., Pomona College
David James Mahan, A.B., Oklahoma Baptist University

IN PHILOSOPHY
Edwin George Lawrence, B.A., Concordia Theological Seminary; B.D., ibid.

IN PHYSICS
Norbert Kenneth Flammang, B.S.Engr.Phys., Washington University

IN POLITICAL SCIENCE
John William Breitweiser, A.B., Washington University
Arnold Leder, B.A., Brooklyn College

IN PSYCHOLOGY
Patricia Everett Brilliant, A.B., Washington University
Renate Liebman Gerstman, A.B., Washington University
Ruth Honck Lucas, A.B., Elmira College
Carolyn Orange Stohr, B.S., Saint Louis University

IN SPANISH
Susanna Wickham Crawford, B.A., Ohio Wesleyan University; B.E., University of Cincinnati

IN SOCIOLOGY
Sasha Reinhard Weitman, B.A., Brandeis University

IN ZOOLOGY
Hsien Chen Cheng, B.S., National Taiwan University
Judith Zuckerman Medoff, A.B., Barnard College
Linda Smith Riles, B.A., Reed College

M A S T E R  O F  A R T S  I N  E D U C A T I O N
Candidates—June 10, 1963

IN EDUCATION
Annette Levy Beale, B.S.Com., The Florida State University
Theodor Harry Beier, A.B., Washington University
Betty Ann Burch, A.B., Washington University
Helen Eugenia Burhop, B.S.Ed., Kansas State College of Pittsburg
Mary Morey Cullom, B.A., Wellesley College
Elizabeth Jean Dinkmeyer, B.S.P.E., Lindenwood College
Gladys Rovene Eastwood, B.S., Washington University
Ruby Cox Eddleman, B.S.Ed., Southeast Missouri State College
Elsie Buchmueller Faerber, A.B.Ed., Harris Teachers College
George William Fairgrieve, B.A., The Principia
Julia Elizabeth Finn, A.B., Washington University
Lynne Frances Forsyth, B.S., University of Illinois
Joan René Halpin, A.B., Saint Mary-of-the-Woods College
Elizabeth Walker Hausman, A.B.Ed., Harris Teachers College
Jakob Karl Heckert, B.A., Concordia Theological Seminary; B.D., ibid.; S.T.M., ibid.
Mary Frey Hickman, B.S.S.W., Washington University
Jeanne Harmon Huesemann, B.A., Lindenwood College
Donald Lee Jones, B.S.Ed., Southeast Missouri State College
Ruth Karen Lindahl, A.B., Washington University
Joyce Weinstein Meltzer, A.B., Washington University
Marjorie Green Michael, A.B., University of Michigan

20
Kent Douglas Overbey, B.S.Ed., The University of Kansas
Jane Elizabeth Rauck, A.B.Ed., Harris Teachers College
Lorraine Martha Sherk, B.S.N., Washington University
Mary Carol Smith, A.B., University of Kentucky
Cho-Yee To, Dipl. in Soc.St., The United College of Hong Kong
Lillian James Von Rump, A.B.Ed., Harris Teachers College

IN HISTORY; EDUCATION
Lary Baker, A.B., University of Missouri

IN PHYSICAL EDUCATION
Richard Roger Meckfessel, B.S.Ed., Washington University

IN PHYSICAL EDUCATION; HEALTH
Barbara Lena Antonelli, A.B., Webster College
Edward Patrick Franz, B.S.Ed., Washington University

IN SCIENCE EDUCATION
Gerald Lee Abegg, A.B., Washington University
Harold Truman Addington, B.A.Ed., Northeastern State College
Donald Alvin Bartell, B.A., Valparaiso University
Halia Katherine Boychuk, B.Ed., The University of Alberta
Kenneth Roger Carlson, B.S., University of Minnesota
Alexander James Dawson, B.S., The University of Alberta
John Cornelius Lannan, B.S., Indiana State Teachers College
Richard Neal Ommen, A.B., Illinois College
Ralph Richard Smith, B.A., Evansville College
Sammie J Vaughn, B.S.Ed., Central Missouri State College

Awarded January 28, 1963

IN EDUCATION
J Conrad Allen, A.B., McKendree College
Ford Adams Baker, A.B., Washington University
Marvin Marshall Beckerman, A.B.Ed., Harris Teachers College
Merle Eugene Busch, A.B., Washington University
Sara Genevieve File Carson, A.B.Ed., Harris Teachers College
Martin August Haendelchke, B.A., Concordia Seminary; B.D., ibid.; S.T.M., ibid.;
Th.D., ibid.; M.S., Great Lakes College
Marilyn Sumner Harrod, B.A., Hiram College
Lynnewood Frank Martin, B.S.Ed., Washington University
Dorothy Edwards Nehrkorn, B.S.N., Washington University
Walter Louis Froeke, B.S.Ed., Washington University

IN EDUCATION; ENGLISH
Marjorie Eloise Fay, A.B., Washington University
Doris Myrtle Land, B.S.Ed., Washington University

IN ENGLISH; EDUCATION
Venkatachari Gopalan, B.A.(Hons.), L. D. Arts College; M.A., ibid.

IN PHYSICAL EDUCATION
Jacqueline Marie Grosse, B.A., Fontbonne College
Lois Ann Runk, B.A., Fontbonne College

Awarded August 31, 1962

IN EDUCATION
Dorotha Woodcock Anderson, B.S.Ed., Washington University
John Floyd Bass, B.S., Lincoln University
Robert Russell Bay, R.F.A., Kansas City Art Institute and School of Design
Susan Metz Beecher, B.S.Ed., University of Missouri
Laura Coker Black, B.S.Ed., Washington University
Edwin Robert Boehmer, A.B., Washington University
Janet Rose Bowman, A.B., Washington University
John Henry Brandt, B.S.Ed., Concordia Teachers College
David Carl Brummett, A.B., Knox College
Alvin Burstein, A.B.Ed., Harris Teachers College
Beverly Ann Burton, A.B., Washington University
Helen Witter Bussen, A.B., Washington University
Mary Carol Miller Buxton, B.S.Ed., Washington University
Janet Reed Collins, A.B., University of Cincinnati
Sally Mae Deutsch, A.B., Washington University
Malcolm Sidney Enger, A.B., University of Missouri
James Carlos Ewing, A.B.Ed., Stowe Teachers College
Thomas Lee Fisher, B.A., Macalester College

21
John Henry Gausch, Jr., A.B., Washington University
Kenneth Dominic Griggs, A.B., Washington University
Helene Hollstein Guinther, B.S.Ed., Bowling Green State University
Collins McKinsey Henson, B.S.Ed., Southwest Missouri State College
Miriam Ruth Hochwald, B.A., Northwestern University
Louisa May Howard, B.S., Washington University
Robert James Kees, A.B., Wheaton College; M.R.E., Southwestern Baptist Theological Seminary
Tanya Mardel Kellman, B.S.Ed., University of Missouri
Theodore Victor Lotz, A.B., University of Illinois
Bernadine Madole, B.S., University of Wisconsin
Elizabeth Stoffel Niemoeller, A.B., Washington University
John Edward Noonan, B.S., University of Illinois
LeMoyne Wille Peters, B.J., University of Missouri; A.B., ibid.
James Martin Ronald, B.S.Ed., Southeast Missouri State College
Frederica Vrooman Root, B.S.B.A., Washington University
Florence Marie Roschke, A.B., Washington University
Raymond Walter Rosenthal, B.S.S.S., Washington University
Mary Louise Seaver, B.S.Ed., Washington University
Lawrence Michael Shiles, A.B., Washington University
Lawrence Byron Smelter, B.S.Ed., Southwest Missouri State College
Everette Leslie Swan, A.B., Washington University
Loraine Ellison Swann, A.B., High Point College
Ruth Marie Temme, B.S.Ed., Concordia Teachers College
Charles William Thess, B.S.Ed., Central Missouri State College
Natalie Eisenstein Wald, A.B., Washington University
Albeon Edgar Waltman, B.S.Ed., Washington University
Lois Helen Waninger, A.B.Ed., Harris Teachers College
Margery Hughes Winters, B.S.Ed., University of Missouri

IN EDUCATION; HISTORY

Walter Alan Cullinane, Jr., B.S.Ed., Washington University

IN ENGLISH; EDUCATION

Armand William Kitto, B.M., Washington University
Walter Henry Knirr, B.M., St. Louis Institute of Music
Barbara Thompson, B.M.Ed., Central College

IN MUSIC EDUCATION

Kent Richard Brueggemann, B.S., Washington University
Emma Grimes Deloch, A.B., Lane College
Thomas A. Lombardo, B.S., Culver-Stockton College

IN PHYSICAL EDUCATION; HEALTH

IN SOCIOLOGY; EDUCATION

Patricia Dancy Kelley, A.B., Texas College

IN SCIENCE EDUCATION

Marshall Lee Hudson, B.S.Ed., Western Illinois State College
Virginia Powers Leftwich, B.S.Ed., The University of Tennessee
James William Pennington, B.S., Wheaton College
William Vogel, A.B., Calvin College
Robert Wendt, B.S.Ed., Washington University

MASTER OF SCIENCE IN SPEECH AND HEARING

Candidate—June 10, 1963
Julie Kathryn Levy, A.B., Wheaton College

MASTER OF MUSIC

Candidate—June 10, 1963
Gaël Buchanan Delente, B.M., The University of Tulsa; Licence de Concert Piano, Ecole Normale de Musique

Awarded August 31, 1963
Arno Martin Klausmeier, A.B., Washington University
ADVANCED GRADUATE CERTIFICATE IN EDUCATION

Candidates—June 10, 1963

IN HEALTH EDUCATION

Julia Cassie Foster, A.B., Washington University; A.M., ibid.

IN SCIENCE EDUCATION

Edward Paul Ortleb, A.B.Ed., Harris Teachers College; M.A.Ed., Washington University

Awarded August 31, 1962

IN SCIENCE EDUCATION

Albert William Schoenborn, B.S., Dickinson State Teachers College; M.Ed., University of North Dakota

DOCTOR OF EDUCATION

Candidates—June 10, 1963

IN EDUCATION

Lorene Anna Bahn, A.B.Ed., Harris Teachers College; M.A.Ed., Washington University

Title of Thesis: Principles of Educational Administration Based Upon the Writings of John Dewey

Girard Thompson Bryant, Ph.B., The University of Chicago; A.M., The University of Kansas

Title of Thesis: The Growth and Development of the Vocational Guidance Movement in the United States, 1900–1930

Nolan Edgar Correll, B.S., Indiana State Teachers College; M.C.S., Indiana University

Title of Thesis: The Effect of Social Class on Parental Contacts with the Public School System

Awarded August 31, 1962

IN EDUCATION

Roland Keene, B.Ed., Southern Illinois State University; M.A.Ed., Washington University

Title of Thesis: Operational Freedom in Complex Organizations

Frank Wenzel Lutz, B.S.Ed., Washington University; M.S.H. & P.E., ibid.

Title of Thesis: Social Systems and School Districts: A Study of the Interactions and Sentiments of a School Board

Gerald Herbert Moeller, A.B.Ed., Harris Teachers College; M.A.Ed., Washington University

Title of Thesis: The Relationship Between Bureaucracy in School System Organization and Teachers' Sense of Power

DOCTOR OF PHILOSOPHY

Candidates—June 10, 1963

IN ANATOMY

Peter William Richard Mayer Alberti, B.M., University of Durham; B.S., ibid.

Title of Thesis: Patterns of Epithelial Migration of the Tympanic Membrane

IN BOTANY


Title of Thesis: Revision of Mexican and Central American Saurauia

Phung Trung Ngan, Ingén. agr., Ecole Nationale Supérieure Agronomique Toulouse; Lic. ès Sc., University of Toulouse; Cert. ét. sup., University of Saigon; A.M., Washington University

Title of Thesis: Revision of the Genus Wrightia

Howard William Pfeifer, B.A., State University of Iowa; A.M., Washington University

Title of Thesis: A Revision of the Hexandrous Species of Aristolochia in Greater North America

Le Tue Quang, Licencié ès Sciences Naturelles, University of Saigon; A.M., Washington University

Title of Thesis: Floral Anatomy of the Cucurbitaceae

Samuel Wilford Rosso, B.A., Mississippi Southern College; M.S., Louisiana State University

Title of Thesis: The Vegetative Anatomy of the Cypripedioideae (Orchidaceae)
IN CHEMISTRY

Richard Lee Blanchard, B.S., Fort Hays Kansas State College; M.S., Vanderbilt University
Title of Thesis: Uranium Decay Series Disequilibrium in Age Determination of Marine Calcium Carbonates

Robert Alan Esterlund, B.S., University of Illinois
Title of Thesis: Alpha-Induced Nuclear Reactions on Molybdenum: Angular Momentum Effects on Compound Nucleus Decay

Andrew Edward Norris, S.B., The University of Chicago
Title of Thesis: Nuclear Charge Distribution in Fission: Independent Yields of $Y^+$, $Y^-$, $Y^0$, and $Y^+$ from Thermal-Neutron Fission of $U^{238}$

Richard Frederick Reising, A.B., Princeton University
Title of Thesis: The Decay of Cs$^{137}$

IN EARTH SCIENCES

Hsin-Yi Ling, B.S., National Taiwan University; M.S., Tohoku University
Title of Thesis: A Micropaleontologic and Ecologic Investigation of Recent Sediments from Two Gulf Coast Cores

IN ENGLISH

Thomas Edward Wright, A.B., University of Missouri; A.M., Washington University
Title of Thesis: The English Renaissance Prose Anatomy

IN ENGLISH; EDUCATION

Dale Kay Doepke, B.S.Ed., Central Missouri State Teachers College; A.M., Washington University
Title of Thesis: St. Louis Magazines Before the Civil War, 1832-1860

IN GERMANIC PHILOLOGY; GERMAN LITERATURE

Carol Lynn Miller, B.A., Vanderbilt University; M.A., ibid.
Title of Thesis: The Old High German and Old Saxon Charms. Text, Commentary and Critical Bibliography

IN MATHEMATICS

Richard Thomas John Mahoney, B.A., University of Buffalo; M.A., ibid.
Title of Thesis: On Howarth Endomorphisms

IN MOLECULAR BIOLOGY

Subir Kumar Bose, B.S., University of Lucknow; M.S., ibid.
Title of Thesis: Studies on Electron Transfer and Energy Metabolism in Photosynthetic Bacteria

IN MUSIC

Relford Patterson, B.S.Music, Howard University; B. of Mus.Ed., ibid.; A.M., Washington University
Title of Thesis: Three American "Primitives": A Study of the Musical Style of Hans Gram, Oliver Holden, and Samuel HOLYOE

Mary Theoda Wieck, B.M., Eastman School of Music; M.M., ibid.
Title of Thesis: A Theoretical Basis for Accompanying Gregorian Chant According to Medieval Principles

IN PHYSICS

Alf Lowell Cederquist, B.S.Engr.Phys., Washington University
Title of Thesis: Electron-Nuclear Double Resonance in Homogeneously Broadened Systems: Metal Ammonia Solutions

Robert John Wilson, B.S., St. Mary's University of San Antonio; B.A., ibid.
Title of Thesis: Investigation of $(d, α)$ Reactions on Be$^7$, N$^{14}$, P$^{15}$ and P$^{16}$

IN POLITICAL SCIENCE

Frank Dinka, B.A., University of Bridgeport; M.A., Southern Illinois University
Title of Thesis: Church and State in Poland: Political Conflict Between the Catholic Church and the Communist Regime

Joseph Power Kelly, B.A., Montana State University; M.A., ibid.
Title of Thesis: A Study of the 1960 Primary and General Election Campaigns for United States House of Representatives in Montana's Second Congressional District

Govind Manik Kulkarni, B.A., Nagpur University; LL.B., ibid.; M.A., ibid.
Title of Thesis: The Development of Government Corporation: A Comparative Study in the United States and India

IN PSYCHOLOGY

Delores Ruth Ortgier, B.S., Saint Louis University; M.S., ibid.
Title of Thesis: Social Class Linked Attitudes as a Variable in Treatment Selection
IN SOCIOLOGY
Mark Jay Abrahamson, A.B., University of Illinois
Title of Thesis: The Integration of Industrial Scientists
Title of Thesis: Interpersonal Interference, Goal-Interlocking, and Aggression

Awarded January 28, 1963

IN CHEMISTRY
Raymond Joseph Campion, B.S., Saint Peter's College
Title of Thesis: Specific Cation Effects on the Ferricyanide-Ferrocyanide Electron Exchange Reaction
Noboru Hirota, B.Sc., University of Kyoto
Title of Thesis: Electron Spin Resonance Studies of Metal Ketyl

IN ENGINEERING GEOLOGY
Geoffrey Edwin Hall Ballard, B.S., Queen's University
Title of Thesis: Plastic Limit Silt-Clay-Water System

IN GEOLOGY
Frank Brierley Williams, B.Sc., Sydney University
Title of Thesis: Characterization of Mixed-Layer Mica-Montmorillonites

IN GEOPHYSICS
Ernesto Pobre Sonido, B.S.Min.E., University of the Philippines; M.S., Colorado School of Mines
Title of Thesis: Gravity Survey for Chromite Over Rugged Topography Coto Ore, Masinloc Area, Zambales Province, Luzon Island, Philippines

IN MUSIC
Rudolph Joseph Kremer, B.M., The Curtis Institute of Music; M.Mus., Washington University
Title of Thesis: The Organ Sonata Since 1845

IN PHYSICS
Jerome John Wesolowski, B.S., St. Mary's University of San Antonio; B.A., ibid.; A.M., Washington University
Title of Thesis: Investigation of (d, α) Reactions on Certain Light and Medium Weight Nuclei and Related Elastic Scattering Experiments
Fa Yueh Wu, B.S.E.E., Chinese Naval College of Technology; M.S., National Tsing Hua University
Title of Thesis: Contributions to the Theory of Quantum Liquids

IN PSYCHOLOGY
Merrill David Clayson, B.S., University of Utah; M.A., The George Washington University
Title of Thesis: Therapeutic Progress in Terms of Semantic Variability

IN BIOLOGICAL CHEMISTRY
Charles Stuart Furfine, A.B., Washington University
Title of Thesis: A Kinetic Analysis of the Glyceraldehyde-3-Phosphate Dehydrogenase Reaction
IN ECONOMICS
Ernst Walter Stromsdorfer, A.B., Washington University; A.M., University of Illinois

IN ENGLISH
John Murchison Munro, B.A., University of Durham
Title of Thesis: Arthur Symons: A Critical Survey of His Major Writings

IN GEOLOGY
Roy Ernest Anderson, B.A., Marietta College; M.S., Montana State University
Title of Thesis: Igneous Petrology of the Taum Sauk Area, Missouri

IN METALLURGY; GEOLOGY
Thomas Francis Schroeder, B.S., University of Notre Dame; A.M., Washington University
Title of Thesis: Preparation and Evaluation of Submicron Iron Whiskers for Possible Use as Elongated Single Domain Particles

IN PHYSICS
Title of Thesis: Polarization Studies of (d, p) Reactions
Henry Woodrow Jackson, B.S., University of Texas; B.A., ibid.
Title of Thesis: Quantum Theory of the Energy Spectrum of Superfluids
John Thorn Marshall, B.S., The University of New Mexico; A.M., Washington University
Title of Thesis: The Self-Energy and Effective Mass of the Polaron
Jonathan Freiberg Reichert, B.S. Physics, Case Institute of Technology
Title of Thesis: Overhauser Effect in Metallic Sodium

IN PSYCHOLOGY
Kitty Frank LaPerriere, B.A., Connecticut College; M.S., Yale University
Title of Thesis: Maternal Attitudes in Different Subcultural Groups
Peter Nathan, A.B., Harvard College
Title of Thesis: A Comparative Investigation of Conceptual Ability in Relation to Frustration Tolerance
Arthur Nathaniel Schwartz, A.B., Concordia Theological Seminary
Title of Thesis: The Effects of Illness and Age Upon Some Aspects of Personality

IN ROMANCE LANGUAGES
Frieda Starling Brown, A.B., University of California
Title of Thesis: Religious and Political Conservatism in the Essais of Montaigne

IN SPANISH; FRENCH
Frances Geyer Crowley, A.B., Hunter College; A.M., Teachers College, Columbia University
Title of Thesis: A Comparative Study of Garcilaso de la Vega, El Inca, and His Sources in the Comentarios reales de los Incas, 1
COMMISSIONS IN THE DEPARTMENT OF DEFENSE

The Following Candidates Will be Presented by MAJOR RICHARD JULIAN DOHERTY, A.B.,
United States Army, Assistant Professor of Military Science

UNITED STATES ARMY
Issued by the Secretary of the Army

SECOND LIEUTENANT, ARMY RESERVE
Louis Edward Alfeld
James Oscar Baltz
*Carl Anthony Bianco
*Harold Theodore Bohlmann
*Rodney Louis Bonar
*Harold John Daub, Jr.
David Noble Everly
*Glen Arthur Featherstun
Louis Edward Freund
Edward Frank Janzow
*David Walter Kuenneke
Thomas Frederick Langwith
William Frank Lins
Jeffrey Gordon Mandel
Ronald Ewell Markland
Dale Kenneth Niemann
James Johnstone Ritterskamp III
Donald Craig Shumate
David Oscar Sutter
*Wayne Lee Taylor
William Joseph Yorih
Wayne William Winter

The Following Candidates Will Be Presented by MAJOR ALAN JOSEPH TEAGUE, M.B.A.,
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
John Michael Droke
**Armand Arthur Fannin, Jr.
**Dorrel Thomas Hanks, Jr.
William Robert Kerls
Albert Vincent Siniscal
James Oliver Steinbruegge

* Distinguished Military Graduate
** Distinguished Air Force ROTC Graduate

HONORARY DEGREES

DOCTOR OF LAWS
WILLIAM ARCHIE MCDONNELL, Chairman of the Board, St. Louis - San Francisco Railway Company, and Former President and Chairman of the Executive Committee, First National Bank in St. Louis; Past President, United States Chamber of Commerce; LL.B., 1917, Vanderbilt University; Railroad Executive and Banker.

DOCTOR OF HUMANE LETTERS
RICHARD PETER MCKEON, Distinguished Service Professor of Greek and Philosophy and Former Dean of the Division of Humanities, University of Chicago; Carus Lecturer for 1965, American Philosophical Association; A.B., 1920, Ph.D., 1928, Columbia University; Educator.

DOCTOR OF LAWS
JOHN MERRILL OLIN, Chairman of the Executive Committee, Olin Mathieson Chemical Corporation, and Member of the Board of Directors, Washington University; B.S., 1915, Cornell University; Corporation Executive.

DOCTOR OF LAWS
HERMAN B WELLS, President Emeritus and Chancellor, Indiana University, and Chairman of the Board, Education and World Affairs; Former Special Adviser on Liberated Areas, United States Department of State; B.S., 1924, Indiana University; M.A., 1927, University of Wisconsin; Educator.
PRIZES, AWARDS AND HONORS

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

Special Honors
John Alvin Duvall (Political Science)
Edna Joyce Farrokh (Classics)
Bart Steven Fisher (Political Science)
Susan Joy Grossman (Political Science)
Beth Lee Kline (English)
George Charles Leposky (Political Science)
Lawrence Edward Licht (Zoology)
Susan Maureen Pepper (Sociology-Anthropology)
William Reed Rayburn (Botany)
Carole Robinson (Psychology)
Gail Darr Schroeder (Sociology-Anthropology)
Jerry Merlin Stanley (Music)

Prizes and Awards
Fern J. Cornelison Prize, Jerry Knight Johnson
F. Ward Denys Prize, Jean Carol O'Byrne
Dramatic Club Prize, Arthur Lance Lueking
Roger Conant Hatch Prize, John Allen Palen
Wilma Koetter Memorial Prizes
Carol Ann Hodges (Elementary Education)
Susan Joy Grossman (Secondary Education)
Arnold J. Lien Prize, Susan Joy Grossman
Shirley McDonald Wallace Prize, Marie Yoshiko Carpenter
Louis G. Zelson Prize, Neal Wallin Baker

THE SCHOOL OF ENGINEERING

E. O. Sweetser Award, Theodore Popowchak
Associated General Contractors Award, David Lee Brooman
American Society of Civil Engineers Award, David Lee Brooman
Laclede Steel Award, Marvin Golenberg
Ade H. Winheim American Chemical Society Award, David George Hartzog
American Institute of Chemical Engineers Awards
Berl Glen Bays
Institute of Electrical and Electronics Engineers
Outstanding Senior Award, Robert Kenneth Underwood
Outstanding Junior Award, Daniel Jay Landiss
American Institute of Industrial Engineers Outstanding Senior Award,
Louis Edward Freund
Pi Tau Sigma Award, Myrne Rodney Riley
American Society for Mechanical Engineers Award, William Francis Flynn
Hamilton Watch Award, Charles Martin Obermeyer
Missouri Society of Professional Engineers Scholarship Awards
Robert Brinker
Joe B. Butler Awards of the Missouri Society of Professional Engineers for Outstanding Juniors
Merrill Kenneth Bauer

Final Honors
Stuart Beryl Boxerman
David Lee Brooman
David George Hartzog
Fred Michael Kalish
Clyde Ruben Lazzareschi
William Joseph McCord
Raymond Karl Mueller
Ralph Allen Murphy
Theodore Popowchak

Myrne Rodney Riley
Leonard Michael Sander
Daniel Alan Schwartz
Dennis John Tylerend
THE SCHOOL OF ARCHITECTURE
Freshman Award, John Kreishman
Sophomore Award, Robert Reeves
Association of Women in Architecture and Allied Arts, Cynthia Rogers
Alpha Rho Chi Medal, Joseph Andrew Meisel III
Producers' Council Award, William Fintan Tecu
American Institute of Architects Medal, Louis Edward Alfeld
American Institute of Architects Book Award, Kenneth Elmer Taylor
Frederick Widmann Prize in Architecture, Julius Juracsik
Missouri Association of Registered Architects Award, Dennis John Kilper
St. Louis Lathing & Plastering Industry Council Scholarship, Alan Lew Appel
Special Faculty Award for Service to the School, Richard William Wright

Final Honors
Louis Edward Alfeld
James Rex Harris
Dennis John Kilper
John Fifield Travers

THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION
Alpha Kappa Psi Award, Carl Anthony Bianco
American Marketing Association Award, Fred Robert Heidorn, Jr.
Haskins and Sells Award, Harold Theodore Bohlmann
Isidor Loeb Prize, Carl Anthony Bianco
Missouri Society of Certified Public Accountants Award, Glen Arthur Featherstun

Final Honors
Mohamed Ben Amar
Carl Anthony Bianco
Harold Theodore Bohlmann
Rodney Louis Bonar
Glen Arthur Featherstun
Susan Jane Fleschner
Stephen G Gaber
Robert David Gersten
Robert Paul Hagemann
Fred Robert Heidorn, Jr.
Margaret Woodlock Kerwin
Ronald William Melicher
Gary Michael Rodman
Ronald L Rothman
Wayne Lee Taylor

UNIVERSITY COLLEGE
Final Honors
Arthur Anthony Bellinger
Louree Philson Brandenburg
Vernon Werner Fischer
Marguerite Warnke Grant
Sarah King Greenway
Wilber Noel Hobson
Max Wilbur Kinley, Jr.
Robert William Latzer
Dorothy Frances Moore
Lewis Henry Schaefer
David Ames Spahlinger
Patricia Ann Stillman
Joan Elinor Strassner

THE SCHOOL OF FINE ARTS
Hazel Goetsch Book Award, Susan Margaret Daykin
Caroline Risque Prize in Sculpture, Robert Fred Jostes
Waldo P. Johnson Award in Book Design, Judith Ann Greene
Lillie Elise Willemsen Prize, Georgia Eleanor Guyot

THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK
Final Honors
Lorraine Eleanor Galle
Lynette Elaine Harris
Elsa Caroline Newman
Isabelle Gail Schreiber
Zelda Jacobson Schwartz
Deanna Mildred Stob

THE SCHOOL OF LAW
Alumni Association Prize, Alan Edward Popkin
Samuel M. Breckinridge Third Year Scholarship Prizes
First Prize, Robert Oscar Dawson
Second Prize, Alan Edward Popkin
Samuel M. Breckinridge Practice Court Prizes
Robert Oscar Dawson, Alan Edward Popkin
Order of the Coif
Robert Oscar Dawson
Alan Edward Popkin
John Gallup Roach
Irvin Calvert Slate, Jr.
Lawrence Paul Tiffany
Frank James Williams
THE SCHOOL OF DENTISTRY

Dental Alumni Association Prize, Terry Richard Thalman
Anna Bredall Awards
First Award, Gary Blain Hope
Second Award, Robert Mayo Wihite
American Society of Dentistry for Children Award, Clayton Han Fu Wung
American Academy of Dental Medicine Award, William James Toole
American Academy of Gold Foil Operators Award, Terry Richard Thalman
American Academy of Roentgenology Award, Frederick Rue Smith
J. D. White Award, Dennis Gale Cuendet
Alpha Omega Award, Terry Richard Thalman
Delta Sigma Delta Clinical Award, Terry Richard Thalman
International College of Dentists Award, Don Edsel Brashears
Association of American Women Dentists—Serena Friedman Award,
Evangeline Gail Greer

THE SCHOOL OF NURSING

Final Honors
Irma W. Bendel
Ruth Elizabeth Edmonds
Earline Harriet Flottman
Joann Miriam Gellman

EMERITUS LIST

1963

Each year some members of the Washington University full-time faculty reach the rank of emeritus. Their ability and service, in the classroom and out, have enriched the University and the lives of their students and colleagues. In appreciation of what they have done, we record here the names of those who attain emeritus rank at the end of the academic year 1962-63.

CARROLL WILLIAM DODGE
Professor of Botany
At Washington University since 1931

HIRAM ELVIN GRANT
Professor of Engineering Drawing
At Washington University since 1946

COURTNEY WERNER
Professor of Earth Sciences
At Washington University since 1923