THE
ONE HUNDRED AND ELEVENTH COMMENCEMENT

WASHINGTON UNIVERSITY

NINE-THIRTY O'CLOCK FRIDAY MORNING
MAY THE TWENTY-SIXTH, NINETEEN HUNDRED SEVENTY-TWO
SAINT LOUIS, MISSOURI
America

My country, 'tis of thee
Sweet land of liberty
Of thee I sing;
Land where my fathers died,
Land of the pilgrim's pride,
From every mountain-side
Let freedom ring.

Our Father's God to Thee
Author of liberty,
To Thee we sing;
Long may our land be bright,
With freedom's holy light;
Protect us by Thy might,
Great God, our King.

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 flowing sleeves which hang below the opening at the wrist; 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 lining of the hood indicates the institution granting the degree: e.g., the hood of Washington University is lined with red and green. 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
Brown—Fine Arts, Architecture, Interior Design
Golden Yellow—Science
Purple—Law
Green—Medicine
Pink—Music
Citron—Social Work
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 degree.

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

Grand Marshal .................................................. Oliver Wyatt Wagner

Student Marshals

I Doctor of Philosophy, Doctor of Science, Doctor of Social Work, Doctor of Business Administration, Doctor of Education
Marshals ............................................................. Jamieson Spencer

II Doctor of Medicine
Marshals ............................................................. Robert Louis Faul

III Master of Laws, Doctor of Law
Marshals ............................................................. Robert Harvey Garfield

IV Master of Science in Orthodontics, Doctor of Dental Surgery
Marshals ............................................................. John Edwin Vieth

V Master of Arts, Master of Arts in Teaching, Master of Arts in Education, Master of Science in Speech and Hearing, Master of Music and Advanced Graduate Certificate in Education
Marshals ............................................................. Juliet Iyabode Macauley

VI Master of Science (Engineering)
Marshals ............................................................. Robert Ralph Roediger

VII Master of Business Administration
Marshals ............................................................. Gerald Kent Pursell

VIII Master of Social Work
Marshals ............................................................. Raymond Wardell Wood

IX Master of Health Administration
Marshals ............................................................. Carl Patrick Stone
X Master of Architecture, Master of Architecture and Urban Design, Master of Fine Arts
MARSHALS ........................................ Hugh Lawrence Bluestone
                                      Phillip Alvin Rambow

XI Bachelor of Arts
MARSHALS ........................................ Judith Rose Lenobel
                                      Stephen Lee Davis
                                      Florestean Flucas

XII Bachelor of Science (Engineering)
MARSHAL ........................................ Michael Gordon Biggers

XIII Bachelor of Science in Business Administration
MARSHAL ........................................ Robert Lee King, Jr.

XIV Bachelor of Science, Bachelor of Science in Speech and Hearing, Bachelor of Technology
MARSHALS ........................................ Melba Irene Parente
                                      Hubert King Hardin

XV Bachelor of Fine Arts
MARSHAL ........................................ Daniel Joseph Strauss

XVI Bachelor of Science in Occupational Therapy, Bachelor of Science in Physical Therapy
MARSHAL ........................................ Nancy Ann Garth

FACULTY DIVISIONS

I Chancellor, Chairman of the Board of Trustees, Speaker, Honorary Degree Recipients, Members of the University Administration
ASSOCIATE GRAND MARSHAL ....................... Carl McCandless

II Deans and Members of the Board of Trustees
MARSHAL ........................................ Edward T. Foote

III Members of the Faculty
MARSHALS ........................................ Samuel Guyer
                                      James Buzzell
Order of Exercises

Academic Procession ........................................ Howard Kelsey, University Organist

assisted by
Washington University Brass Quartet

America
BRENDA JOYCE JACKSON

Remarks
CHARLES ALLEN THOMAS
Chairman of the Board of Trustees

Address
BARBARA WARD (LADY JACKSON)
Albert Schweitzer Professor of International Economic Development,
Columbia University

Conferring of Degrees
WILLIAM HENRY DANFORTH
Chancellor of the University

The Alma Mater
BRENDA JOYCE JACKSON

Recessional ........................................................ Howard Kelsey

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 ARTS AND SCIENCES

Candidates Presented by
BURLINGTON MAYNARD WHEELER, PH.D., Dean

BACHELOR OF ARTS

May 26, 1972

Sherry Rose Abolove
John Pletcher Adams
William Byron Adin
Karen Lee Agee
Robert Jonathan Aglow
Jeffrey Arnold Albert
Brian Roy Altman
Larry Martin Altman
Russell Joseph Arnold
Laris Feld Arora
Gusse Wayne Ashkenazy
Robert Whitehill Atcher
Kim Pearson Baker
Dorothy Baron Bennett
Barbara Rudin Berger
Candyce Sue Berger
Shelby Ann Cari Berger
Robert Edward Berktold
John Henry Berliner
John Wickham Berresford
Marjorie Grace Biederman
William Morris Biederman
Merrill Schell Blackman
Ray Allen Blackwell
Annie Sylvia Bleaden
Stephen Paul Blend
Deborah Ann Blumenthal
Anne Louise Boa
Patricia Lynn Bock
Carla Joan Bollis
Peggy Gregory Booker
Jennifer Lisa Boretz
Alexandra Mike Bollis
William Howard Bothwell
Martha Ann Botsford
Julia Stewart Bottom
Douglas Bryant Boudria
Hoke Thomas Bridgman
Sandra Beatrice Branahl
Linda Nancy Brandt
Susan Laurie Brast
William Joseph Brencich
Kathleen Ann Brennan
Darlene Esther Brill
Harold Stanton Brody
Adrienne Hendrick McMillan Broerman
Jack Orville Brown
Russell Wayne Brubaker
David Kenneth Bruce
Richard Andrews Bue
Steven Howard Buehn
Nina Rose Calandra
Laurie Jennifer Carlin
Frank Joseph Catanaro, Jr.
John Edward Caton, Jr.
Mark Paul Cereghino
Andrew Roman Champiwy
Daniel John Cissens
Peter Allison Clayton
Dennis Joseph Clear
Stephen Ellis Clizbe
Ian Neal Cohen
James B Cohen
Margaret Weis Cohen
Sondra Rae Cohen
Matthew Todd Cohn

Randall David Coleman
David William Collins
Erio Mario Comici
Rose Elizabeth Connelly
Mary Bartlett Conrades
Ellen Victoria Cool
Dennis Myler Coxe
Katherine Elizabeth Cravens
Karen Ruth Culbertson
John Stephen Cumline
Sara Louise Cunningham
Raymond Price Dalton
Gregory Curtis Damen
Hamzah Muhammad Daradari
Frank Joseph Daugherty
Robert Edd Davenport
William Rees Davis
Mary Jane De Con
Stanley Steven DeLeach
Rosalyn Stein Depper
Margaret Mary Derbky
John Robert DeRoy
Michael Gerard DiPlacido
Deborah J Michelle Dolan
Susan Kathleen Donnelly
Kerry Glen Drulis
Kathleen Berra Drury
Janet Helen Drusman
Charles Edward Duearme
Walter Leroy Eckenhoff
Edward F. Eckhaus
Mark Howard Edelman
Robert George Edelman
Amy Margaret Eisen
Folk Andrew Elkins
Joseph Frank Ellebracht
Howard Steven Ellison
Ronald Harold Engeldinger
Robert Nathan Epstein
Robert Wall Eskind
Ellen Jordan Ezrock
Kathryn Huss Falk
Susan Lynn Farb
Daniel Richard Feenberg
Lauren Kath Delfman
Dorothy Shonchen Feng
Judith Anne Fien
Donald Howard Fishar
Rosemary Finzel
Keith Gregory Fitzgerald
Michael Francis Fisk
Cary Steven Fleischer
Margaret Tracy Flori
Floreston Flias
Cynthia Ann Finzene
Frederick Matthew Fox
Lilian Gay Fox
Mary Ellen Frank
Barry Alan Frazier
Sue Freedman
Lynn Friedman
Morton Scott Friedman
Francis Bernard Fuller
Suzanne Allen Funsch
James Donald Funsch
William Patrick Gahan
Deborah Lynn Gahar
James Patrick Gamble
Barry David Gandelman
Joan Lynn Garderen
Randall Douglas Garland
Louis Galmann
Paula Ellen Geiderman

Beverly Helen Geiger
Robert Howard Geller
Elizabeth Jane George
Donna Lee Geyer
Rhonda Karen Gergel
Steven Martin Gerashman
Kathleen Francis Gibatine
David Leon Gent
Peter Lawrence Ginsberg
Jane Louise Glassenberg
Barbara Anne Godbeck
Elizabeth Anne Goetsch
James Michael Goldring
Ellen Faye Goldsmith
Ted Grant Goldsmith
Neil Warren Goldstein
Richard Floyd Good
Susan Lynn Goodman
Sandra Lee Gordon
Steve Alsous Grumlich
Richard Ken Greeninger
Rogers Frank Grayson
Joel Francis Graziani
Laurel En▷Machner
Izola Dillard Green
Jan Etha Greenburg
Beatrice Erna Greenspan
Debbie Wasserman Haber
Theodore Carl Haftenreffer III
James Carl Hallgren
Linda Dempsey Hallgren
Julie Ethel Hamos
Deborah Gail Hanzlik
Creighton Alvin Hardin, Jr.
Carol Ann Harnatz
Jane Harris
Thomas Steven Harvath
Michael Allan Haas
Katharine Marie Haywood
Patricia Louise Heckman
Robert Greg Heil
Josephine Berta Hertz
Steven Gordon Hess
Stuart Michael Hess
Rachel Ann Hixter
Babette Christine Hiestand
Katharine Higgins
Deborah Atkins Hill
Lawrence Ray Hill, Jr.
Margaret Ann Hindman
Maxine Hirsch
Janet Lillian Hirshberg
Carole Elizabeth Hoelscher
Saul Hopper
Judy Donna Horvitz
Marjorie Ann Horwich
Robert Alan Hovenden
Raymond Yuen Kim
Teeresa Leann Hoffman
Michael Tully Huguenin
Margaret Mach Hunter
Janet Gail Hurwitz
Lillian Hwang
Elizabeth Lee Hydrix
Carl Leonard Hyman
Jonathan Isbell
Robert Carl Adler  
Christine Ann Armistead  
Malcolm Leon Bonnheim  
Janet Brown  
Karen Sue Dosick  
Steven Scott Falk  
Ann Denise Fogle  
Barbara Sue Framer  
John Walter Hoberman  
Ruth Elizabeth Imershein  
Lynn Crawford Jolley  
Renee Sheelia Klonsky  
Kathleen Ann Lawler  
Richard Jay Levin  
Marjorie Mandel  
Howard Robinson Mayer  
Robert Wright Miller  
Marc Lawrence Monitz  
Thomas Patrick Norton  
Roberta Joan Oshinsky  
Julie Ann Pogoriler  
Joan Frances Poll  
Pamela Jean Rasp  
Jesse Andrew Roberts, Jr.  
Daniel Will Rosenblum  
Allan Howard Rotman  
Donald Richard Rowland  
Michael Gordon Sabel  
Cathy Anne Shapiro  
Paul Lawrence Skipper  
Susan Irene Smith  
Deborah Sue Snively  
Jo-Anne Sarah Spiegel  
John Anthony Stathos, Jr.  
Larry Dee Stonecipher  
David Leroy Winkler  
David Aaron Winner  
Charles Jerome Wisch  
Jerrold Emil Wolf  
Chi-Lui Zee-Cheng  
Paul Manthey Zorn

George Wesley Bates  
Robert Allen Becker  
Robert Main Burton, Jr.  
Harvey Steven Darnell  
Stephen Lee Davis  
David Robert Dietrich  
Kevin James Dougherty  
George Leslie Hanges, Jr.  
Susan Kaplan  
Lawrence William Kolton  
David George Lebow  
Patricia Jean Moser  
Douglas Howard Neimand  
Mark Lewis Russakoff  
Steven Neal Schwartz  
Diane Gayle Solsky  
Mara Lynne Steelman  
Sheryl Joy Williams  
Veronica Demetra Zotos

Meryl Kaye Abensohn  
Karen Blank  
Lewis Alan Brown  
Anthony Bruck  
Robert Frederick Bruns, Jr.  
Peter Dean Mendelson  
Douglas Henry Ohlendorf  
Susan Leslie Phillips  
Dennis Arrville Popp  
Janice Ann Quade  
James John Smith  
Sam Lawrence Warshawer, Jr.  
George Daniel Weese III

Bonni Lee Benstock  
Michael Conrad Breidenbach  
Cynthia Jane Buchanan  
Zelda Marilyn Cohen  
Bonita Gay Coleman  
Andrew Peter Conlin  
Ronald Keith DeGuerre  
Sharon Ann Dressler  
Teresa Marcus Edelstein  
Ann Olga Fainberg  
Marc Feldman  
Judith Dorothy Fryer  
Barbara Marie Gann  
Gregory Robert Glass  
Constance Elaine Goss  
Howard Michael Gross  
Donna Frances Hamilton  
Jonathan Lawrence Herz  
James Howard Jaeger  
Betty Jane Kahn  
Susan Roslyn Keller  
Carol Fern Klein  
Patricia Joan Knobloch  
Barry James Krakow  
Laura Ray Landy  
Susan Lilenfeld  
Karen Gall Lucas  
Richard Elliot Manners  
Linda Ann Maykel  
Stephen Fred McKelvey  
Lynne Ellen Mesirow  
Sherrie Lynn Mitauer  
Frances Melick Pappageorge  
Marvin Bruce Pearlestein  
Linda Susan Pevnick  
Ronald Franklin Pratt  
Charles William Raeber  
Peter Alan Rosenberg  
Doris Erman Schwartz  
Ronald Conrad Shaner  
Nancy Lee Shlaes  
Martin Gould Siglin  
Lori Anne Silvers  
Phyllis Jean Silvers  
Patricia Amelia Sonnino  
Theodore N Soule  
Paul Alan Stein  
Lawrence Ray Steiner  
Emanuel Tabachnik  
Sanford Victor Teplitzky  
Gary Randall Thurman  
William Keith Villalon  
Lawrence Stephen Weisberg  
Cynthia Anne White  
Donald Stuart Wilson  
Mary Kathleen Wilson  
Dennis Owen Winkler  
Ann Southard Wolf  
Robert Stephen Wortman  
Susan Robinson Wright  
Stephen William Wuerz  
Tina Schiff Yanow

Ruth Milner Harper  
Jef Harry Kleinman  
Donald Lee Lerman  
Janice Ann Quade  
James John Smith  
Sam Lawrence Warshawer, Jr.  
George Daniel Weese III

December 22, 1971

Bonni Lee Benstock  
Michael Conrad Breidenbach  
Cynthia Jane Buchanan  
Zelda Marilyn Cohen  
Bonita Gay Coleman  
Andrew Peter Conlin  
Ronald Keith DeGuerre  
Sharon Ann Dressler  
Teresa Marcus Edelstein  
Ann Olga Fainberg  
Marc Feldman  
Judith Dorothy Fryer  
Barbara Marie Gann  
Gregory Robert Glass  
Constance Elaine Goss  
Howard Michael Gross  
Donna Frances Hamilton  
Jonathan Lawrence Herz  
James Howard Jaeger  
Betty Jane Kahn  
Susan Roslyn Keller  
Carol Fern Klein  
Patricia Joan Knobloch  
Barry James Krakow  
Laura Ray Landy  
Susan Lilenfeld  
Karen Gall Lucas  
Richard Elliot Manners  
Linda Ann Maykel  
Stephen Fred McKelvey  
Lynne Ellen Mesirow  
Sherrie Lynn Mitauer  
Frances Melick Pappageorge  
Marvin Bruce Pearlestein  
Linda Susan Pevnick  
Ronald Franklin Pratt  
Charles William Raeber  
Peter Alan Rosenberg  
Doris Erman Schwartz  
Ronald Conrad Shaner  
Nancy Lee Shlaes  
Martin Gould Siglin  
Lori Anne Silvers  
Phyllis Jean Silvers  
Patricia Amelia Sonnino  
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Sanford Victor Teplitzky  
Gary Randall Thurman  
William Keith Villalon  
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Dennis Owen Winkler  
Ann Southard Wolf  
Robert Stephen Wortman  
Susan Robinson Wright  
Stephen William Wuerz  
Tina Schiff Yanow

Ruth Milner Harper  
Jef Harry Kleinman  
Donald Lee Lerman  
Patricia Dee Meth

cum laude

magna cum laude

summa cum laude
August 20, 1971

Kristina Mary Bamvakais
Doris Mae Bass
Margaret Behr
Maureen Lois Bender
Lawrence Michael Blim
Louis Francis Bonacorsi
Alan David Braunschweiger
Elizabeth Jan Brown
Michael Cohen
Elizabeth Hardy Curtis
James Robert Davidson
Markou Dale Davis
Steven Thomas Dodge
Earl Roland Ekstrand
Carolyn Dudley Englebert
David Gary Esslinger
Beverly Ann Frank
William Allan Fricke
Marcia Kay Garwood
Cindy Kay Greenwood
John Edward Harris III
Jeffrey Hugh Horen

Jennifer Louise Hunter
Natalia Rokosolana Hyk
Michael Harris Imergoot
Donald Alan Iskoff
Jen Jackoway
Patricia Ann Johnson
Henry Abbott Kesting
Maureen Kelleher
Jean Brooks Kerwin
Arthur Albert Koenig
Perry S Krywat
Robert William Lifton
Linda Borodkin Lipman
Nancy Jean Lubar
Joseph Edward Madison
Thomas S Mansbacher
Judith Libmann Masinter
Nancy Rustige McCracken
Ronald Leon McCravy
William Gordon Merriman
Gwendolyn Ruth Miles
Laurence Ian Miles
Jan Dahlia Moffatt

Joyce Carol Moran
Judith Ann Morge
Mark Howard Nalick
Michael Lee Newmark
Karen Coy Olchowaki
Patricia Gail Pellett
James Earl Pittmon
Larry Clark Quenette
Alison Harriet Reitman
John William Rollings
Deborah Lee Rowley
Juliana Katharine Safron
Joseph Robert Sage
Karen Leigh Schepisier
Dorothy Edna Schuchat
Lois Grassinger Schulte
Deborah Leslie Severin
Barbara Crannage Sippel
Halina Szajnwald
Dennis Oliver Van Ronzelen
Lilli Harris Wellman
Alan Guthrie Willis

*cum laude*

Scott Alan Raisher
THE SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Candidates Presented by
JAMES MORGAN McKELVEY, PH.D., Dean

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS
AND COMPUTER SCIENCE

May 26, 1972

David Stanley Backer
Jeffrey Alan Baron
Earl Reflow Binder
Nancy Nathan Bittner
Robert Ervin Helbig
Shirley Ann Kennett
Edward Charles Lager
Suzanne Leslaurin
Gregory Frederick Maxey
Joseph Sherrel Maynard, Jr.
Patrick Kirkpatrick Orr
Mary Andrews Patterson
Thomas William Reidy

Robert Ralph Roediger
Anita Marie Saunders
Robert Russell Schick
Howard Larry Shore
Gary Edward Wendlandt

December 22, 1971

James Alan Hepler
Jimmy Mok Loo

August 20, 1971

Suraj Parkash Tschand

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

May 26, 1972

James Donald Bittner
Richard Alan Blum
Ralph Arthur Britton
Thomas Milton Helscher
Paul Daniel Lodewyck
Joseph Francis Matuske
Gerald Fred Niedringhaus
Richard Gene Sepmeyer

Lucile Marie Shanes
Barry Alan Siegfried
Luis Eugenio Tellez
Albert Martin Uijee

December 22, 1971

Robert Terry Schmalz

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

May 26, 1972

Eric Lawrence Bers
Gary Thomas Carr
Charles Alan Carter
Edward Frank Gramlich
Hasan Asad Jamjoom
Raymond Keith Jones

William Lynn Maxfield
Ernst Herman Petzold III
Robert Erwin Wendler

December 22, 1971

Joseph Edward Schmitt

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

May 26, 1972

Ralph Bernard Barringhaus
Leonard Keith Berger
Ravi Kumar Bhola
Patrick Paul Biermann
Michael Gordon Biggera
Fairman Kennedy Bockhorst
John Christopher Bolen
Gary Harold Brandenburg
Charles Tsun-Yan Chan
Thomas Paul Collins
Richard Crocker Diehl
Michael Lee Dierker
Paul Steve Dubis
Chauncey Edgar Finch III
Donald Edward Gayou
Delbert Hutchinson Gray
Michael Joseph Gronemeyer
David William Grus
James Scott Haley
Sanford Leroy Hamilton
Reed Edward Hannebaum
Arnold Forrest Heibreder
William Richard Herr
Dennis Allen Kruse
Benildur Wai-Young Lau
Yew Soong Lee

Michael Lee Luechtendorf
Gregory Frederick Maxey
Stephen Paul Nieuwoolcher
Craig Oliver Risch
William Albert Ruff, Jr.
Gerald Louis Sauer
Michael Byron Smith
Chris Randall Stone
John Francis Tehan, Jr.
Thomas Charles Trauger
James Silas Umphres
Alan Nicholas Willer
Robert Clarence Zepp

December 22, 1971

Melvin Lloyd Roche, Jr.
Robert Nelson Tatum

August 20, 1971

Roger Arlen Schwartz
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

May 26, 1972
David Dean Baldwin
Bobbie Whitley Barnes
Peter Vettori Buckert
Paul Stephen Oliver
Thomas Wirtz Orr
James Edward Rochow
James Paul Shawcross
Robert Bruce Tuckett

December 22, 1971
Robert Lawrence Moore

BACHELOR OF SCIENCE IN PHYSICS

May 26, 1972
Charles Tsun-Yan Chan
John Wells Dougherty
George Leslie Hill
Joseph Milton Hubenschmidt
Randall Dewey Knight
Vinodh Narayanan
Gerald Louis Sauer
Thomas David Schiller

December 22, 1971
Lyle Edward Lilie
THE HENRY EDWIN SEVER INSTITUTE OF TECHNOLOGY

Candidates Presented by
JAMES MORGAN MCKELVEY, PH.D., Director

MASTER OF SCIENCE

May 26, 1972

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE
Albert Conway III, B.S., Washington University
Neil Joseph Falvey, B.S., Washington University
Mike Ming-Chiang Gee, B.S.E., Taiwan Cheng Kung University
Robert Ervin Heilig
Theodore Freeman McFadden, B.S., University of Dayton
Israel Nussbaum, B.S.Engr.Sci., Washington University
Patrick Kirkpatrick Orr
Barath Rengarajan, B.Engr., University of Madras
Robert Ralph Roediger
Gerald Fred Schoditsch, B.S.Ch.E., Ohio University
David Guy Weible, B.A., Southern Illinois University; M.S., University of Cincinnati

IN BIO-MEDICAL ENGINEERING
Joseph Anthony Gagliano, Jr., B.E.E., Auburn University; M.S., The University of Tennessee

IN CHEMICAL ENGINEERING
Robert Naftali Elvin, B.S.Ch.E., Robert College
James Kenneth Grant, B.S., University of Illinois
Steven John Huitquist, B.S.Ch.E., Washington University
Webster Wei-Fing Kiang, B.S.Eng., National Taiwan University
Paul Daniel Lodewyck
Michael Theodore Schade, B.S.Ch.E., Northwestern University
John Lee Swope, B.S., University of Illinois
Shi Hsioung Wang, B.S.E., The University of Michigan
Sadanand Rajaram Yadwadkar, B.Tech. (hons.), Indian Institute of Technology

IN CIVIL ENGINEERING
Herman Benifatius Suryoutomo, B.Sc., Institut Teknologi Bandung

IN CONTROL SYSTEMS
Tse-shin Lu, B.S., Chinese Naval Academy; B.S.E.E., National Chiao-Tung University; M.S.E.E., ibid.
Jackson Lee Sedwick, Jr., B.S.E.E., Washington University

IN ELECTRICAL ENGINEERING
Leonard Keith Berger
Sang-Koo Chung, B.S.Eng., Seoul National University
Richard Joseph Gillette, B.S.E.E., University of Missouri at Rolla
David William Grus
Lawrence Edward Ketterer, B.S.E.E., Washington University
John Wayne Matthews, B.S.E.E., Washington University
Eitan Sadeh, B.S.E.E., Technion, Israel Institute of Technology
Michael Thomas Schneider, B.S.E.E., Washington University
Chris Randall Stone
Robert Clarence Zepp

IN ENVIRONMENTAL AND SANITARY ENGINEERING
William Henry Longston, Jr., B.S.Ch.E., Washington University
Jeffrey Howard Waldbeser, B.S. (hons.), University of Illinois

IN MATERIALS SCIENCE
Roger Fountain, B.Sc., The University of Aston in Birmingham; Grad. R.I.C., Royal Institute of Chemistry

IN MECHANICAL ENGINEERING
Taher Ramadan Dali, B.Engr., University of Libya
William Takeo Fujimoto, B.S.M.E., Washington University
Kjartan Jonsson, Dipl., The Saudarkrokur School of Technology
Steven Arlen Kusman, B.S.Aero. and Astro.Eng., Purdue University
Thomas Wirtz Orr
Gerald Julius Williams, B.S.M.E., Washington University
December 22, 1971

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE
Steven Michael Brown, A.B., Washington University; B.S.Engr.Sc., ibid.; M.S., Lehigh University
Walter L. Eckardt, Jr., B.E, magna cum laude, Vanderbilt University; B.E., ibid.
David Aaron Gomberg, B.S., Roosevelt University; M.A., ibid.
Mars John Griaia II, B.S. (hons.), Rose Polytechnic Institute; M.S., ibid.; M.S., ibid.
Edgar Raoul Guillot, B.A., Louisiana State University at New Orleans; M.S., ibid.
Chang Je Kim, B.Engr., Yonsei University; M.Engr., ibid.
Danie1 Shih-Sheng Ku, B.S.E., Taiwan Cheng Kung University
Eduardo Santos Sanchez, B.S.Ch.E., Mapia Institute of Technology;
M.S., University of Pennsylvania
Junie Chun-Lie Wang, B.A., Taiwan Provincial Chung-Hsing University;
M.S., Central Missouri State College

IN APPLIED MECHANICS
Lewis Seth Epstein, B.S., Polytechnic Institute of Brooklyn

IN BIO-MEDICAL ENGINEERING
Daniel Cane Marcus, B.S., Antioch College

IN CHEMICAL ENGINEERING
Pawan Kumar Agarwal, B.Sc., Agra University; M.Sc., Kanpur University
Joseph John Chaback, B.S.Ch.E. (hons.), Lehigh University
William Henry Cunningham, A.B., Washington University; B.S.Ch.E., ibid.
Linda Carmen Giudice, B.S., Columbia University
David Wright Johnson, B.S.Ch.E., Washington University
Narinder Mohan Kumar, B.Tech., Alangappa Chettiar College of Technology
Paramarz Nazem, B.Ch.E., The Ohio State University
Trung Chinh Nguyen, B.S., University of Colorado
Hussein Mustafa Sallak, B.S.Ch.E., The University of Tulsa
Thomas Lee Stephenson, B.S.Engr., Arizona State University

IN CIVIL ENGINEERING
Robert Lloyd Hoffman, B.S.C.E., The Prairie View Agricultural and Mechanical College of Texas
Janet Carole Lenz, B.S.C.E., Washington University

IN CONTROL SYSTEMS
Robert Leo Arndt, B.S.E.E., University of Illinois; M.S.E.E., ibid.
Keh-ping Dunn, B.S., National Chiao Tung University
Ragon Ollie Michael, B.S., Oklahoma State University
Eleswarapu Nagarajarao, B.Engr., Sri Venkateswara University;
M.Engr., Indian Institute of Science
Kai Sung, B.S., National Chiao Tung University

IN ELECTRICAL ENGINEERING
Patrick Marc Casseotte, diplme d'Ingénieur, Institut Des Sciences De L'Ingénieur
Alexander Uer Feld, B.S.E.E., Washington University
Robert Merlin Garrett, B.S.E.E., Washington University
Stanislav Jedlicka, Ing., Technical University of Brno
Chalres Joseph Pucis, B.S., Rutgers—The State University
Susarla Venkata Subrahmanya Sarma, B.Engr., Sri Venkateswara University;
M.Engr., Indian Institute of Science
Ming-Jau Sun, B.S.E., Taiwan Cheng Kung University
Henryk Szejnowal
Trieu-Kien Truong, B.S.E., Taiwan Cheng Kung University
Myung Yul Yoo, B.Sc.Engr., Seoul National University

IN ENVIRONMENTAL AND SANITARY ENGINEERING
Michael Anthony Pierle, B.S.C.E., Purdue University

IN MATERIALS SCIENCE
Daniel James Stubblefield, B.S.E., The University of Michigan

IN MECHANICAL ENGINEERING
James Kohl Scheublein, B.S.M.E., University of Missouri at Rolla
Kishor Shantilal Sheth, B.Sc., University of Calcutta; B.S.M.E., Washington University
Richard Albert Straka, B.S.M.E., University of Pittsburgh
Albert Ing-Jau Yang, B.S.Engr., National Taiwan University
DOCTOR OF SCIENCE

May 26, 1972

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Asad Said Omar-Khailany, B.Sc., University of Baghdad; M.S., Saint Louis University; M.S., Washington University
Title of Thesis: Constrained Single Period Multi-commodity Inventory Control: Optimal and Approximate Optimal Policy
William Edward Wright, B.A., Southern Illinois University; A.M., University of Illinois
Title of Thesis: A Formalization of Cluster Analysis and Gravitational Clustering

Asad Said Omar-Khailany, B.Sc., University of Baghdad; M.S., Saint Louis University; M.S., Washington University
Title of Thesis: Constrained Single Period Multi-commodity Inventory Control: Optimal and Approximate Optimal Policy
William Edward Wright, B.A., Southern Illinois University; A.M., University of Illinois
Title of Thesis: A Formalization of Cluster Analysis and Gravitational Clustering

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Asad Said Omar-Khailany, B.Sc., University of Baghdad; M.S., Saint Louis University; M.S., Washington University
Title of Thesis: Constrained Single Period Multi-commodity Inventory Control: Optimal and Approximate Optimal Policy
William Edward Wright, B.A., Southern Illinois University; A.M., University of Illinois
Title of Thesis: A Formalization of Cluster Analysis and Gravitational Clustering

IN APPLIED MECHANICS

Ker Chong Chen, B.S.Engr., National Taiwan University; M.S., The University of Kansas
Title of Thesis: High-Precision Finite Elements for Plane Elastic Problems
Channing Wallace Godbold, B.S.M.E., Washington University; M.S., ibid.
Title of Thesis: Convergence Characteristics of Cylindrical Shell Finite Elements
John Louis Porter, B.S.Aero.Engr. (with distinction), The University of Kansas; M.S., California Institute of Technology
Title of Thesis: A Hydraulic Analogy for Non-Isentropic Flows

IN CHEMICAL ENGINEERING

Stanley Irving Proctor, Jr., B.S.Ch.E., Washington University; M.S., ibid.
Title of Thesis: Noninteracting Control of Chemical Processes

IN CONTROL SYSTEMS

Julian Lloyd Center, Jr., B.S.E.E., University of Oklahoma; M.S., Washington University
Title of Thesis: Practical Nonlinear Filtering Based on Generalized Least Squares Approximation of the Conditional Probability Distribution
Alfred Spurr Gilman, B.M.E., Cooper Union
Title of Thesis: Mean Square Performance Bounds for Almost-Linear Systems

IN ELECTRICAL ENGINEERING

Ralph Wayne Patterson, B.S.E.E., Washington University; M.S., ibid.
Title of Thesis: Magnetoelastic Effects in Micromagnetics
Bernard Thomas Sander, Jr., B.S. magna cum laude, Saint Louis University; M.S., California Institute of Technology
Title of Thesis: Optimization of Thin Holographic Data Storage Systems
Yo-Yu Sun, B.Sc., Taiwan Cheng Kung University; M.S., National Chiao Tung University; M.S., Washington University
Title of Thesis: Transient Analysis of Coupled Multiconductor Transmission Line Systems
Robert Ming-Chieh Wu, B.S.Phys., Massachusetts Institute of Technology; M.S., University of Washington
Title of Thesis: The Application of the Autocorrelation Function to Texture Analysis

IN MECHANICAL ENGINEERING

Krishnan Balachandran, B.Sc., University of Madras; B.Tech., Indian Institute of Technology; M.S., Washington University
Title of Thesis: Effects of Curvature on Pulsatile Viscous Flow in Thin-Walled Elastic Tubes
Paul Anthony Croce, B.S.M.E., University of Rhode Island; S.M.M.E., Massachusetts Institute of Technology
Title of Thesis: Hemolysis of Erythrocytes in Laminar and Turbulent Shear Flows
Edward David Spong, B.Sc., University of London; M.S., University of Missouri at Rolla
Title of Thesis: The Numerical Solution of the Expulsion of a Shock Wave from the Open End of a Cylindrical Shock Tube

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Anil Bhagwant Jambekar, B.Engr., University of Baroda; M.S., Illinois Institute of Technology; M.S., Washington University
Title of Thesis: An Approach to Integer Programming
Don Laird Roger, B.A., Greenville College; M.S.Appl.Math., University of Missouri School of Mines and Metallurgy
Title of Thesis: Selecting the Best Subset with Regression Analysis by Emplicit Enumeration with an Application to a Commodity Problem

December 22, 1971
IN CHEMICAL ENGINEERING

James Vincent Gauchel, B.S.Ch.E., The University of Wisconsin; M.S., Washington University
Title of Thesis: Viscoelasticity of Epoxy-Glass Composites
Narla Mohandas, B.Tech., University of Madras; M.Tech., Indian Institute of Technology Kanpur
Title of Thesis: Red Cell Adhesion and Deformation
J Michael Scigliano, B.S.Ch.E., Iowa State College; B.S.Sci.Hum., ibid.; M.S., Iowa State University
Title of Thesis: Considerations of Complex Solutions Using Internal Pressure Measurements

IN CIVIL ENGINEERING

Raymond Harry Roy Tide, B.S.Engr., The University of Manitoba; M.S., Lehigh University
Title of Thesis: Strain Measurements on Concrete by the Moire Method
Chung-Ta Tsai, B.E., Chung Yuan Christian College of Science and Engineering; M.S., Mississippi State University
Title of Thesis: Analysis of Plate Bending by the Quadratic Programming Approach

IN CONTROL SYSTEMS

Tsuyoshi Goka, B.S.Engr.Sci., Washington University
Title of Thesis: Controllability of Single-Input Discrete Bilinear Systems
Kenneth Mark Kessler, B.S.E.E., Washington University; M.S., ibid.
Title of Thesis: Finite Control and Observation of Distributed Parameter Systems

IN ELECTRICAL ENGINEERING

Martin Allan Agulnek, B.E., The City College of New York; M.S., New York University
Title of Thesis: Hadamard Transforms in Pattern Recognition and Image Processing
James Stewart Brookman, Jr., B.S., Rochester Institute of Technology; M.S., Washington University
Title of Thesis: Mode Locking of Coupled Transitions in Krypton Lasers
Harry Richard Grodsky, B.S.E.E., Washington University; M.S., ibid.
Title of Thesis: The Development of a Computer Controlled Optical Microscope for Automatic Focusing and Three Dimensional Tracking of Microscope Images

IN ENVIRONMENTAL AND SANITARY ENGINEERING

Ronald Anthony Venezia, B.S., Worcester Polytechnic Institute; M.S., Washington University
Title of Thesis: The Impact of Transportation Alternatives on Ambient Air Quality

IN MATERIALS SCIENCE

Dan Peretz, B.S.C.E., Technion, Israel Institute of Technology; M.Sc., ibid.
Title of Thesis: Crack Propagation in Polymeric Composites
THE SCHOOL OF ARCHITECTURE

Candidates Presented by
GEORGE ANSELIEVICUS, DIPLOMA OF ARCHITECTURE, Dean

MASTER OF ARCHITECTURE

May 26, 1972

Jay Scott Bauer, A.B., Washington University
Lawrence Brooks Bernhardt, A.B., Washington University
Hugh Lawrence Bluestone, A.B., Washington University
Hill Carrington Burgess, A.B., Washington University
Ajit Madhukar Deshpande, B.Arch., University of Bombay
James Richard Fair, A.B., Washington University
Richard Henry Groeninger
Jeffrey Lawrence Gross, B.S.Arch.Sci., Washington University
William Bernard Hovland, B.S.Arch.Sci., Washington University
Pradip Kakalbhui Kharidia
John Richards Lauer, A.B., Washington University
Michael Kwok Loke, A.B., Washington University
Irving David Moy, A.B., Washington University
Olympia John Pilafidis, B.A., Miami University; B.Arch., ibid.
David Jay Reiter
Harish Amritlal Shah, B.Arch., University of Bombay
Morris Simon, B.Arch., Boston Architectural Center School of Architecture
Norman Robert Spatz, A.B., Washington University
Jerry Robert Tepe, A.B., Washington University
Frederick Grant Wheeler, Jr., A.B., Washington University
Peter Walter Wurzburger, A.B., Washington University
Cheng Tun Yang, B.Sc, Tunghai University

December 22, 1971

Juan Antonio Brando Pradilla, A.B., Washington University
Subhash Chander Chopra, Dipl.Arch., Panjab University
William Louis Luecking, B.S.Arch.Sci., Washington University
Stephen Jay Schachter, B.S., Antioch College

MASTER OF ARCHITECTURE AND URBAN DESIGN

May 26, 1972

Robert William Dvorak, B.Arch., University of Colorado
Jane Heiman Godfrey, B.S.Arch., University of Illinois
Brian Wilson Parkes Kent, B.Arch. (with distinction), University of Cape Town
Robert Joseph Stadelman, B.Arch., Western Reserve University
Robert Coleman White, B.Arch., University of Arkansas; B.A., ibid.

December 22, 1971

Krishna Harikrishna Anandiwala, B.Arch., The School of Architecture Ahmedabad
William Wing-Pak Chan, B.Arch., University of California, Berkeley
Henry Hillary Fry, B.Arch., University of Southwestern Louisiana
Peter John Hetzel, B.Arch., Pratt Institute
Rajesh Sohgal, B.Arch., University of Delhi
Gita Chandulal Shah, B.Arch., The School of Architecture Ahmedabad
William Roy Wilson, B.A., William Marsh Rice University; B.Arch., ibid.

August 20, 1971

Jürgen Aust, Diplom Ingenieur, Die Technische Hochschule in Graz
Ravindra Lal Jain, B.Arch., (hons.), Indian Institute of Technology
Daniel Lawrence Mello, B.Arch., The Catholic University of America
THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

Candidates Presented by
KARL ALLEN HILL, M.C.S., LL.D., Dean

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

May 26, 1972

Thomas Gregory Allen
John Christopher Anderson
William David Barnthouse
Lloyd Lee Boyer
Jack Louis Bromman
Lance Frederick Brutschy
Scott Monroe Clark
Jacqueline Olivia Davis
Stanley Theodore Denis, Jr.
Steven Kim Detter
John Grant Daley Dubuque

Terry Richard Duggan
William Dolphin Dyle
Herbert Ronald Fineburg
Richard Joseph Friel
Dale Jay Garber
Paul Robert Greenberg
Kim Robert Greenwood
Glen Scott Gross
Leonard Ray Hayes
Walter Allan Hellwig
Alan Roger Horna
Robert Lee King, Jr.

Ronald Bruce Klein
Robert Herman Koester
Carl Allan Madsen
George Edward Maristan
Paulette McKinney
John Francis O'Neill III
Gary Donald Pijut
Robert Martin Pratzel
Karl Andreas Schricker
Emanuel Thomas
Jonathan Leslie Weaver

December 22, 1971

Nancy Jane Dobak
James Dennis Hannon

Dennis LaBantschnig

Carol Ann Piening
Herbert Franklin Weaver

August 20, 1971

THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

Candidates Presented by
KARL ALLEN HILL, M.C.S., LL.D., Dean

MASTER OF BUSINESS ADMINISTRATION

May 26, 1972

Frank Allen, Jr., B.S.E.E., Howard University
Finis Anderson, A.B., Indiana University; M.S., Butler University
John Joseph Andrzeciak, B.S., Southern Illinois University
Raymond Kenneth Bass, Jr., B.A., The University of Tulsa
David Charles Beckmann, A.B., Washington University
Wallace Luther Bennett, B.A., University of Virginia; B.D., Episcopal Theological School
David William Bergmann, B.S.B.A., Washington University
Joseph George Bergomi, Jr., B.S., University of Maine; M.S., Institute of Paper Chemistry
Mitchell Morton Bernstein, A.B., Washington University
Eric Kenneth Blau, B.S.B.A., Northwestern University
Marcus Aurelius Boyer, B.A., The University of New Mexico
Terry George Breeding, B.S.Ch.E., Washington University
Robert Fred Buergin, B.S., Washington University
Charles Earl Burnett, B.A., The University of Wisconsin
John Ciro Bussemann, A.B., Saint Louis University
Kenneth William Clark, B.S., Saint Louis University; M.S., ibid.
Robert Damian Costigan, B.S.C., University of Santa Clara
Steven Kim Detter
Emmett Earle Duenke, B.B.A., Texas Christian University
Michael Bernard Fagan, A.B., Saint Louis University
Thomas Lloyd Farquhar, B.S.Eng., Duke University
Charles Leslie Ferguson, B.A., Ohio Wesleyan University
John Charles Finley, B.S.B.A., Rockhurst College
David Gregory Fitzpatrick, A.B., Rockhurst College
James Marion Gilmore, B.S.B.A., University of Missouri
Thomas James Glenn, B.A., Southern Illinois University
Eugene Mark Goldman, B.S.B.A., Washington University
Russell Earl Gordy, B.B.A., Temple University
Michael Joseph Gronemeyer
Glen Scott Gross

Allen Kellogg Haines, B.S.E.E., Washington University
James Douglas Henry, B.S., Northwest Missouri State Teachers College
John York Hewitt, Jr., B.B.A., Southern Methodist University
Douglass DuBose Hornor, B.A., Ohio Wesleyan University
Steven Michael Hronec, B.S.B.A., Valparaiso University

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Karen Sue Johnson, A.B., MacMurray College
Douglas Barclay Jones, B.E., Vanderbilt University
Paul Kenneth Lampier, B.S., Carroll College
James Donald Leyerle, B.S.Ch.E., Illinois Institute of Technology
Robert Creig McBride, B.A., Ohio Wesleyan University
Richard Ernest McDonnell, B.A. (hons.), Principia College
William Patrick McGinnis, B.A., University of Denver
Leonard Greg Miller
Jefto Tanasko Milovich, A.B., Washington University
Arthur Leo Oertel, A.B., Washington University
Marvin Bruce Pearlstein, A.B., Washington University
Terrence Glenn Peterson, B.A., Southern Illinois University
Gerald Kent Pursell, B.S.Ch.E., Oklahoma State University
John Edward Pyle, B.S.B.A., Rockhurst College
Philip Merle Reckers, B.S., Quincy College
Timothy Michael Riordan, A.B., Rockhurst College
Eric Lewis Robinson, B.A., Antioch College
Thomas Henry Ryan III, B.A.B.A., University of Washington
Lee Maurice Sanborn, B.S.C.E., University of Maine
Larry Jay Schechter, B.S., The University of Wisconsin
Melvyn Harry Scherzer, Jr., A.B., MacMurray College
Paul Walter Schmidt, B.S.Appl.Mech., Washington University
August Carl Schwark, Jr., B.A., Valparaiso University
William Joseph Shaw, B.B.A., University of Notre Dame
Susan Carol Silver, A.B., Washington University
Richard Terry Silverman, B.A., The University of Tulsa
Parke Eugene Smith, B.A., Denison University
John Louis Solomine, Jr., B.A., Saint Louis University
Donald Monroe Strathearn III, B.A., DePauw University
John Laid Yerle, B.S., Illinois Institute of Technology
Kenneth Allen Wells, B.S.Ch.E., Purdue University
Arthur Clyde Wotiz, B.S., University of Kentucky

December 22, 1971
Reginald Mitchell Beal, A.B., University of Missouri at St. Louis
Robert Morris Cook, B.S., University of Illinois
M.S.Engr.Mech., The Pennsylvania State University
William Louis Gerard, B.S.M.E., The University of Wisconsin
Gary Charles Gerhardt, B.S.E.E., Washington University
Ralph David Hartung, B.S., Northwestern University; M.S., ibid.
Michael Jan Jones, B.S.Ch.E., Purdue University
Stephen Rohr Kretschman, B.S.C.E., Northwestern University
Richard Albert Morgan, B.A., Knox College
Viola Jean Salig, B.S., Washington University
John Joseph Veach, Jr., B.S.I.E., Saint Louis University
William Clair Weaver, B.A.E., Rensselaer Polytechnic Institute
Walter James Woerheide, A.B., Brown University

August 20, 1971
Robert Michael Bowen, A.B., Drury College
Robert Neil Gamble, Jr., B.E., Vanderbilt University
Barst Steven Kaplow, B.A., Antioch College
Richard Paul Moeller, B.S.M.E., Washington University
Roland Kurt Schaefer, A.B., Washington University
Murray Joseph Schuchter, A.B., Washington University
Thomas Carver Wilson, B.A., Southern Illinois University

DOCTOR OF BUSINESS ADMINISTRATION

May 26, 1972
James Anthony Heintz, B.S.InBus., Quincy College
Title of Thesis: A Laboratory Experiment to Study the Impact of
  Price-Level Adjusted Financial Statements on Investment Decision Making
THE SCHOOL OF CONTINUING EDUCATION

Candidates Presented by
JOHN BERNARD ERVIN, Ed.D., Dean

BACHELOR OF SCIENCE

May 26, 1972

Robert Frederick Ansel
Themis Vassilios Argyros
Jackie Lee Atkinson
Judith Harrison Barnett
Brunt Reed Beatty
Steve Leroy Bickel
Ollie Elwood Billings, Jr.
James Patrick Bresnahan
Constance Diane Brodhead
Alvin Fred Budrovich
Donald Edward Buehlmann
Charles Vernon Bunner
John Patrick Carmody, Jr.
James William Cetin
Lamont Davis
Victor Elliot Dawson
Cordell Paul Diederich
Zenobia Rae Edwards
Mildred Marie Eigenbrodt
Joseph Francis Ernde
John Joseph Fabieis
James Galben Fleming
James Arnold Flowers
Anthony Carl Formaris
Lloyd Francis Frye
Marvin Gerchen
John Rudolph Gibser, Jr.
Darrell Dwayne Green, B.B.A., M.S.
James Francis Groesch
Hubert King Hardin

Jack LeRoy Hasson
Vincent Edward Heiker
Wilber Arnold Hill
James Thomas Hilmer
Charles Earl Hogan, Jr.
Stanley Oran Holdman
Larry Dennis Hopkins
William Carroll Houseman
William Jewell Hutchings, Jr.
David Paul Hutchison, B.A.
David Dale Jackson
Bernard John Jacobsen
Norman Leonard Jasewak
Charles Wesley Johnson
Gerald Lee Jolly
Raymond Joseph Kersting
Margaret Sower Kneepfle
Ronald Aloysious Koebbe
John David LaFontaine
Michael Lewis
Donald Joseph Loeffler
Caren Ann Lorele
Edward Russell Maguire
Steven Dale Mandry
Joseph Keith Markovitz
Richard Willard Mathews
Robert Francis Matusseck
Darwin Lee McCloud
John Joseph McCormick

June 20, 1972

Ronald Allen Albritton
George Larry Andrus, B.A.
Robert Oliver Antoine
Robert Henry Arnold
Edward Francis John Began, Jr.
Georgia Banks Berring
Harold Louis Blase
Durrell Wayne Bone
Ola L. Brandal
Theresa Catherine Burkart
Marjorie Marie Capatick
James Donald Clark
Carl T. Combe
Glenn Patrick Daniels
Charles Joseph Defiglia, Jr.
Charles George DiMercureio
Robert Ralph Ellerman

Mildred Gerber Gilmore
Donald James Gove
Brittanmarie Claudia Graff, B.S.
Robert Jacob Gurus
Terrence Paul Hahn
Arnold Sherman Harder
Edsel Arthur Hatfield
Robert Joseph Henley
Lowell Thomas Huflstetler
Michael Joseph Iannelli
Gilbert Walter Kasten
Joseph Robert Koerner
Grant Robert Kuenstler
Donald Gregory LeGrand
Robert Raymond Ligibel
Kenneth James MacAdam

December 22, 1971

Robert Kenneth Moellerling
Alene Mary Myerscough
George Allen Nolan
Robert Dennis O'Leary
Thomas Aaron Plager
Susan Gary Plax
Foy Harold Roberts
Dietrich Gustav Salomon
K C Sanders
Octavio Alberto Sifuentes
Billy Don Smith
John William Spell
James Herman Squires
Cuba Washington, Jr.
John Herbert Walters
John Ronald Wade
Edward Richard Zamarra, Jr.

William Joel Arink
David Bruce Audrain
Marguerite Cantrell Best
Wilburn John Boesch, Jr.
Richard Edward Brodine
Ronald John Carlson
Michael Lewis Corn
Rosalind Marie Dean, A.B.
William Gregory Gamage
Harold Robert Harper

Walter Lee Hayes
Carl Otto Herbergs
James Anthony Houfek
Mary Jane Jackson, A.B.
Henry Felix William Keetman
John David Koehler
Elton Arlington Kropp
Robert John Mayfield
Stanley Hoover McIntire
John Busch Odell

August 20, 1971

Timothy Ajani Oyatunde
Charles Leslie Ramsden
Clarence Edward Robb
Louise Cecilia Sanders
David Lawrence Sommerich
Leola Burnnue Stockdale
Richard Louis Waddington
William Mackie Walker III
Kenneth Willard Wibbenmeyer
Ronald Steven Williamson
BACHELOR OF SCIENCE IN SPEECH AND HEARING

May 26, 1972

Ilona Meryl Friedman
Marlene Susan Kaplan
Melanie Michelle McNutt
Valerie Jean Pederson
Georgia Marie Pompfrey
Jacque Lynn Waller

BACHELOR OF TECHNOLOGY

May 26, 1972

William Benschop
Margery Anne Abbott Ellis
Lawrence Edwin Hamilton
Edward Eben Hemphill, Jr.
William Francis Mortland
Robert Louis Nolte
Wilfred Joseph Renaudette
Gary Allen Shannon

December 22, 1971

John Parlow
Walter Runge

August 20, 1971

Adell Blackmon, Jr.

THE SCHOOL OF FINE ARTS

Candidates Presented by
LUCIAN KRUKOWSKI, B.F.A., M.S., Dean

BACHELOR OF FINE ARTS

May 26, 1972

Kenneth Charles Anderson
Cheryl Beth Baer
Flora Jean Benson
Gary Michael Burnley
Barbara Gail Civin
William Gene Clark
Lisa Danzansky
Nancy Ann Darnall
Miles McCall De Coster
Shelley Virginia Dieterichs
James David Duchek, B.A.
Jindamanee Dumnvatanaochit
Wendy Barbara Edson
Roger Daniel Egan
Edwin Eaton Fairfield, Jr.
Jennifer Lee Fell
Carol Lynne Gingles
Patricia Susan Goldrich
Zelda Joyce Goodman
Barbara Ruth Guzofsky
Kristin Mary Hartl
Donald Warren Heim
Julia Ramsaur Heyward
John Michael Houchin
Donna Lee Jaeger
Monica Stelmachowicz Johnson
Mark Faulkner Jones
Janice Dale Keeler
Susan Linda Kirberg
Benedict Charles La Rico
Kathleen Ann Luahbera
Lizbeth Marano
Beth McAlpin
Lucy Alice Meiners
Lynne Spiegelberg Morgan
Steven Joseph Morris
Jeffrey Birt Morse
Cissy Pui-Lai Pao
Maren Smith Phillips
Daniel Joseph Pierron
Marilyn Poepelmeyer
Deborah Anne Proctor
Donald Groff Reuter

December 22, 1971

Nancy Newman Rice
Adrienne Gallop Rosen
Daniel Francis Ruderer
Henrietta Martha Sanchez
Leslie Satinover
Barry Robert Schwartz
Susan Lois Siegel
Beverly Moos Silver
Daniel Robert Sinderer
Linda Ann Sperling
Joseph George Steel
Mary Kay Stolz
Daniel Joseph Strauss
Tyra Jean Vaughan
Linda Ann Verkler
Vicki Ann Vogelstein
Kenneth Charles Wehrman, Jr.
Sally Marie Wehrman
Mary Elizabeth Weidner
Michael Cooler Woods
Mary Louise Zander

Melanie Ann Metrailer
Paul Evan Schwartz, A.B.

August 20, 1971

Reese Roy Williams

MASTER OF FINE ARTS

May 26, 1972

Fiore Belle Ai, A.B., University of California, Berkeley; M.A., Los Angeles State College
John Leonard Ganske, B.S., Wisconsin State University
Margaret Rose Howland, A.B., Webster College
Christopher Jeffrey Jones, A.B., Washington University
Irvin Frederick Krughoff, Jr., B.F.A., Washington University
Mariani Nowack, B.A. cum laude, Brooklyn College
Stephen Hugh Pevnick, B.A., Southern Illinois University
Phillip Alvin Rambow, B.S., Iowa State University; B.F.A., Syracuse University
Rosalind Elaine Schwartzberg, B.F.A., Washington University
Gerard Allen Weiner, B.A., Brooklyn College

Steven Irvin Weinberger

21
THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK

Candidates Presented by
RALPH GARBER, D.S.W., Dean

MASTER OF SOCIAL WORK

May 26, 1972

Rosemarie Crenshaw Baldwin, A.B.Ed., Harris Teachers College
Linda Lee Bell, B.A., University of Colorado
William Aaron Berg, B.A., Southern Colorado State College
Abby Suzanne Byall, B.A., Valparaiso University
Judy Rayl Christian, A.B.Ed., Nebraska Wesleyan University
Corine Johnson Colbert, B.A.Ed., Langston University
Kathryn Dean, B.A.I.D., Auburn University
Pamela Ferguson Dixon, B.A., The University of Iowa
Elizabeth Jones Douglass, B.A., Brown University
John Burr Ellison, B.A., Wisconsin State University
Robert David Finney, B.S. (hons.), University of Utah; M.A., ibid.; Ph.D., ibid.
Loe C. Leroy Fjone, B.A., Wartburg College
Elizabeth Diana Forester, A.B., University of California, Berkeley
Susan Renae Fugleberg, B.A., University of North Dakota
Carole Marie Gilbertson, B.A., summa cum laude, Augustsburg College
Allen Douglas Gill, B.A. magna cum laude, The College of Emporia
Richard Wayne Glossip, A.R., Baker University
Janet Gayé Goodson, B.A., Whittier College; M.A., ibid.
Jan Lynn Haen, B.A., University of North Dakota
Linda May Halverson, B.A., Wartburg College
Margaret Mary Hayes, B.A., University of Missouri
Patricia Eileen Haynes, B.S., Northern Illinois University
Arlene Top Herman, B.A., University of Pittsburgh
Irma Jean Hill, B.A., Seattle University
Lynn Ray Hutchens, B.S., Peru State College
Maribeth Kaye, B.A., Kent State University
Ola Jean King, B.A., Agricultural, Mechanical and Normal College
Ronald Gerald Knaul, B.A., Southern Illinois University
Anne Stover Kordt, B.A. magna cum laude, University of Southern California
Barbara Joan Kreutzschmar, B.A., Valparaiso University
Gary Earl Linck, B.A., Southern Illinois University
Joyce Beth Lipszy, A.B., University of Illinois
Wanda Lois Long, B.A., Spelman College
Jean Marie Manes, B.A., Valparaiso University
Allen Marion McBride, B.A., Southern Illinois University
Virginia Rue McIntosh, B.A., Macalester College
Carl James Meyer, B.A., Southern Illinois University
Alma Jean Mitchell, B.S., Tennessee A and I State University
Richard Young Modenbach, B.S., Oklahoma State University
Wayne Irvin Munkel, B.S., Iowa State University
Maureen Ellen Murphy, A.B.Ed., St. Scholastic College
Martha Jackson Newton, A.B., Washburn Municipal University of Topeka
Carole Jeanne Orendorff, B.A., Wittenberg University
Vincent Peter Pinto III, A.B., Monmouth College
Carney Leon Pitt, B.A., North Carolina College at Durham
Abigail Pounds, B.S., The University of Tennessee
Linda Lee Rebert, B.S.Ed., Concordia College
Goldia Lucille Reeves, B.A., Southern Illinois University
Arthur Douglas Relford, B.S.Ed., Southern Illinois University
William Bernard Risse, B.S., Loyola University
Lee Ruth Robbins, A.B., Saint Louis University
Terry Ann Rottach, A.B., MacMurray College
Marion Sue School, A.B. cum laude, Boston University
Carol Harney Schaffner, A.B.Ch.Ed. cum laude, Lincoln Christian College
Frances Federman Schapiro, B.A., The City College of the City University of New York
Barbara Lee Schneider, B.A., Southern Illinois University
Henry David Schneider, B.S.B.A., University of Arizona
Mary Lou Schuler, B.A., Southern Illinois University
Elizabeth Ann Skinner, A.B., Washington University
Carolyn Fredia Smith, B.S., Richmond Professional Institute
John William Stuart, B.S., Washington University
Ernestine Blount Thigpen, B.A., Howard University
Roberta Frances Torin, A.B., University of Missouri
Judith Elizabeth Upham, A.B. cum laude, Radcliffe College; B.D., Episcopal Theological School

22
Beth Patterson Vall-Spinosa, B.A., University of Washington
Pamela Sue Waider, B.A., Hiram College
Diane Kay Warren, B.A., Kent State University
Raymond Wardell Wood, B.A., Elmhurst College
Rebecca Reese Wurzburger, A.B. *summa cum laude*, Washington University

December 22, 1971

Kenneth Robert Aud, B.A., Southern Illinois University
Patricia Ann Baer, A.B., Webster College
James Clark Bauer, B.S., Northern Michigan University
Roy Louis Bermel, B.A., Central College
Ronald Eugene Betz, B.A., The Ohio State University
Phyllis Joan Bigpond, B.A., Oklahoma State University
Evelyn Louise Blackmon, B.A., Southern Illinois University
Mary Cordelia Brewster, A.B., Webster College
James Charles Cahill, B.A., Saint Joseph's College
Ruth Coody, B.S., Texas Woman's University
Yolanda Reola Edwards, B.A., Bethune-Cookman College
Robert Francis Farrell, B.A., Lewis College
Amy Schoenenberger Feldman, B.A., Northwestern University
LaVerne Joseph Fry, B.S., Mary College
Sheila Harley Gardner, B.A., Howard University
Benjamin Albert Herman, B.S., Washington University
Norman Albert Ivanison, B.S., Wisconsin State University
Keren Kyamanywa Kabadi, B.A. (hons.), The University of East Africa
Jane Kaplan, A.B., University of Miami
Bobby Dale Knight, B.A., Rust College
Forrest Malakoff, B.S.W., Temple University
Russell Clinton Miler, A.B., William Jewell College
Barbara Friedman Plass, A.B. *cum laude*, Brandeis University
Philip Richard Poppel, B.S.Ed., North Texas State University
James Edward Poschel, B.A., Cardinal Glennon College;
M.Div., Saint Louis University
Amy Greenfield Rassen, A.B., Brandeis University
Harvey Lawrence Riehe, B.A., San Fernando Valley State College
Dennis Robert Schneider, B.S., Purdue University; M.B.A., Stanford University
William Martin Taylor, B.A., University of Missouri
Thomas Michael Utzbel, B.A., Rockford College
Kathleen Joyce Walsh, B.A., Maryville College of the Sacred Heart
Mila Kagan Weintraub, B.A., Reed College

August 20, 1971

Jean Elizabeth Bromley, A.B., University of Missouri
Leonard Gary Epstein, A.B., Hunter College of the City University of New York
Nancy Ann Lafferty, B.A., Viterbo College; M.A., The Catholic University of America

DOCTOR OF SOCIAL WORK

May 26, 1972

Patricia Maud Drew, A.B., University of California, Los Angeles; M.S.W., University of Southern California
Title of Thesis: Social Work Practice: An Historical Comparison

December 22, 1971

Dennis Michael Dailey, B.A., Hamline University; M.S.W., University of Missouri
Title of Thesis: The Validation of Admissions Predictions Implications for Social Work Education

August 20, 1971

Lewis Richard Murach, B.S., University of Wisconsin; M.S.W., ibid.
Title of Thesis: Variations in Clinical Judgments and Their Relationship to Categorizing Styles
THE SCHOOL OF LAW

Candidates Presented by
HIRAM HENRY LESAR, A.B., J.S.D., Dean

DOCTOR OF LAW

May 26, 1972

Robert Douglas Becker, A.B., Washington University
Steven Thomas Bieszcz, B.A., Knox College
Douglas Bruce Brokhous, A.B., Illinois College
Richard Forrest Cough, A.B., Illinois College
David Alexander Collins, B.A., Amherst College
Gerald Gaffney Dehner, B.A., Vanderbilt University
William Justin Dye, Jr., A.B., Washington University
Tim Kilpack Eichenberg, A.B., Earlham College
Brian Richard Ellis, B.S.B.A., Ohio State University
Richard Alan Epstein, A.B., Grinnell College

Robert Douglas Becker, A.B., Washington University
Steven Thomas Bieszcz, B.A., Knox College
Douglas Bruce Brokhous, A.B., Illinois College
Richard Forrest Cough, A.B., Illinois College
David Alexander Collins, B.A., Amherst College
Gerald Gaffney Dehner, B.A., Vanderbilt University
William Justin Dye, Jr., A.B., Washington University
Tim Kilpack Eichenberg, A.B., Earlham College
Brian Richard Ellis, B.S.B.A., Ohio State University
Richard Alan Epstein, A.B., Grinnell College

Prudence Louise Fink, B.A., American University; M.A., Northwestern University
Steven Barry Fishman, B.S., University of California, Irvine
Richard Henry Fitzpatrick, B.A., DePauw University
Kent Bruce Friedman, A.B., Washington University
Edwin Samuel Fryer, B.A., Brown University
Francis Michael Gaffney, B.A., University of Missouri at St. Louis;
M.A., Southern Illinois University
William Lee Gagen, A.B., Washington University
Robert Harvey Garfield, A.B., Washington University
Mark Elliot Goodman, B.A., Northwestern University
Gary Tetsuo Hayashi, B.Ed., University of Hawaii
Mark David Hirschfield, B.A., New York University
Karen Holm, B.A., Miami University
Alan Merrill Hux, B.A., DePauw University
William Thomas Hyde, B.A., University of Rochester
Bruce Dale Irish, B.S.B.A., Washington University
Charles Edwin Johnson, B.A., Denison University
Richard James Kahdenman, B.A., University of Missouri at St. Louis
Mary Helen Kenedy, A.B., Webster College
Stephen Michael Keran, B.B.A., University of Notre Dame
Howard Elliott Kilberg, A.B., University of Rhode Island
Richard Archie Knutson, B.A., University of Wisconsin
Gary Paul Kramer, B.A., Carleton College
William Thad Kuhn, B.S., University of Illinois
Charles Ralph Lewellen, A.B., Duke University
Thomas Goodman Lewin, B.A., Vanderbilt University
Edwin Leon Lyon, B.S., Southwest Missouri State College
Howard Eugene McNier, B.A., Illinois Wesleyan University
Ralph Drury Martin, B.A., Tulane University
Catherine Spitzer Maurer, B.A., Wellesley College
James Reading Mendillo, B.S.B.A., New Haven College
George Frederick Meyer, Jr., B.S.B.A., Washington University
Phillip Larry Morris, B.A., Dartmouth College
Raymond Terence Mueller, B.A., Rice University
Joan Merle Newman, B.A., Case Western Reserve University
David Wilson Noel, B.A., Valparaiso University
Robert James O'Neill, B.A., Southern Illinois University
Diane Louise Paul, B.A., University of Illinois
Mitchell Leslie Perstein, B.S., New York University
James Atkinson Plaisted, B.A., Ohio Wesleyan University
James Thomas Rohrer, B.A., University of Wisconsin
Marc Stuart Rosenbaum, B.A., State University of New York at Buffalo
Max Joseph Rutgert III, B.A., Yale University
Wendy Wherritt Schiller, A.B., Radcliffe College; M.S.W., Washington University
Ronald Oscar Schwalbe, B.S., U.S. Naval Academy
Paul James Schroeder, B.A., University of Notre Dame
Peter Bryan Scott, A.B., Drury College
Philip Dean Sheldon, B.A., Southern Illinois University; M.S.Ed., ibid.
Thomas Lane Story, B.S., Miami University
Denis Lee Taylor, A.B., Washington University
Thomas Jay Thompson, B.S., University of Oklahoma
Barry David Umansky, B.A., Carleton College
Leonard Dean Vines, B.S., University of Illinois
Thomas Carl Watson, B.S., Memphis State University; M.Ed., ibid.
Tom Loftin Weber, A.B., University of Illinois
Douglas Gedge White, B.A., University of Wisconsin

December 22, 1971

Orion Lorenzo Douglass, B.A., College of the Holy Cross
Thomas Andrew Zotos, B.A., Westminster College
MASTER OF LAWS

May 26, 1972

Luther Stephen Cash, B.S., University of Tennessee; J.D., ibid.
Michael Gerald Goldstein, B.A., Tulane University; J.D., University of Missouri
John Frederick Kunath, Jr., B.A., Loyola University of Los Angeles;
M.A., Saint Louis University; J.D., Loyola University of Los Angeles
Wyvetter Hoover Younge, B.S.Ed., Hampton Institute; J.D., Saint Louis University

December 22, 1971

John Emerson Russell, B.A., Vanderbilt University; J.D., ibid.

MASTER OF COMPARATIVE LAW

August 20, 1971

Klaus Guenther Koepp
THE SCHOOL OF DENTISTRY

Candidates Presented by
JOHN THOMAS BIRD, D.D.S., Dean

MASTER OF SCIENCE IN ORTHODONTICS

May 26, 1972

Louis Ralph Baeten, D.D.S., University of Texas
Leward Charles Fish, B.A., Oklahoma State University; D.D.S., Washington University
Bill Durnin Harris, B.A., Marquette University; D.D.S., University of Colorado
Richard Carl Meyer, D.D.S., Washington University
Richard Henry Renwick, B.S., Bradley University; D.D.S., University of Illinois
Gary Howard Shanker, B.A., Washington University; D.D.S., University of Tennessee

DOCTOR OF DENTAL SURGERY

May 26, 1972

John Thomas Ahrens, B.A., University of Arkansas
Richard Guilelmum Albertum, B.A., Boston University
Gary Everett Arithson, B.S., San Diego State College
Richard David Bebermeyer
Joel David Berick, A.B., University of Missouri
Stuart Blaustein, B.S., Brooklyn College; M.A., Michigan State University
Paul William Bottone, B.S.E.E., University of Colorado
Wayne Richard Chisholm
Mark Andrew Conley
John Cain Cosby, Jr., A.B., Washington University
James Duerck Crandall
Edward Steven Czebrinski, B.S., Washington University
Paul Eugene DeLong, B.A., Culver-Stockton College
Gary Edward Drake
James Craig Finot, B.A., Westminster College
David Herbert Frank
Barry Joel Greyson, B.A., Oklahoma University
Mark Brian Gottman, A.B., Washington University
Harold Michael Hersh
James Andrew Hunter, B.A., San Francisco State College
Don Lee Hylin, B.S., Utah State University
Charles Wesley Ketcham, B.A., University of Southern California
David Charles Leubitz
James Campbell Love
John Randall Miller, B.S., Western Illinois University
Jeffrey Wayne Mix, B.S., University of Utah
James David Nelson, Jr., B.S., Oklahoma State University
Jerry Raymond Ozee, B.S., University of Illinois
Charles Ogden Petkovich, B.A., Washington University
James Bernard Rohen, B.S., Arizona University
Robert Richard Schluerer, B.A., DePauw University
John Michael Snell, B.A., University of Arizona
Richard Alma Squires, B.S., University of Utah
Paul Francis Stannard, B.A., Central Connecticut State College
Michael Fielding Stapleton, B.A., University of Oregon
James Alan Steen, B.A., Colby College
David Ray Stone, B.S., Utah State University
James Daniel Torghele
John Edwin Vieth, B.S., Saint Louis University
Stephen Acel Walker, B.A., University of Utah
Gary Weinstein, A.B., Washington University
Robert James Wheeler, B.A., University of Utah
John Emerson Zweig

cum laude

Richard Dewayne Gaither, B.S., Central State University of Oklahoma
Ellsworth Yin Kong Hew
Leslie Kwai Leong Wong, B.A., University of Hawaii

26
THE SCHOOL OF MEDICINE

Candidates Presented by
MORRIS KENTON KING, M.D., Dean

BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY

May 26, 1972

Mary Helen Broemmelsiek
Barbara Jean Ditmanson, B.A., M.A.
Nancy Ann Garth
Linda Sheridan Golubovich
Gail Ronnie Horowitz
Linda Jane Kopetti
Jeanne Ericsson Lewin, B.A.
Carol Van Baale Meador
Arlo Paul Montei
Susan Marie Nieman
Judy Ann Schneeberger
Richard Kenneth Schwartz
Jeanne Elaine Stone
Sue Ellen Wiedman
Margaret Phillips Williams, B.A.

BACHELOR OF SCIENCE IN PHYSICAL THERAPY

May 26, 1972

Christine Louise Carlson
Daniel Edward Carruthers
Mary Catherine Chase
Karen Kay Fischer, B.S.
Marjorie Jill Fisher
Leslie Ellen Green
Jama Louise Guder
Carolyn Halstead
Barbara Dean Heim
Donald Eugene Honey
Thomas Raymond Krishak
Linda Kay Limacher
Janice Rose Marth
Nancy Marie Mathews
Carol L Monson
Ann Penn Morris
Diana Lynn Smith
Nancy Helen Steen
Kathryn Beth Topp
Alice Higgins Wakefield
Joelene Westenskow Whitmer

MASTER OF HEALTH ADMINISTRATION

May 26, 1972

Richard Michael Abell, B.S., Western Kentucky University; M.S., ibid.
Kevin Richard Andrews, B.B.A., Texas A & M University
Gary James Blan, B.S., Bethany Nazarene College
George Wesley Bookor, B.S., University of Missouri at Kansas City
Joseph Bertram Burger, B.S., Boston University
Sarah Gahan Burtram, B.A., Sacred Heart Dominican College
Michael Henri Covert, B.S., Washington University
Ronald Charles DeColier, B.S., Carroll College
Willson Joel Fahlberg, B.B.A., University of Texas
Harald Oswald Karl Frieser, B.A., Southern Methodist University
Stephen Barry Goldstein, B.S., State University of New York at Albany
Albert John Hiddle, B.S., University of Wisconsin
George Gerald Holzhauer, B.A., Wheaton College
Stanley Joseph Kantanie, Jr., B.S., University of Buffalo
Robert Frederick Koppel, B.S., University of Oklahoma
William Henry Lange, B.A., College of St. Benedict
Larry Lee Mathis, B.A., Kansas State College
Ronald Nicholas Maraz, B.S., Municipal University of Omaha
Beverly Baptist Monial, B.S., Washington University
Michael Jon Newmarker, B.S., University of Nevada
Richard Daniel Nielsen, B.S., Bethany Nazarene College
Glenn Edward Potter, B.A., Ottawa University
Stephen Curtis Reynolds, B.S., Arkansas State University
Larry Dean Rentfro, B.S., Oklahoma State University
Leo Michael Rick, B.A., Lamar State College of Technology
Richard Albert Rieley, B.S., Colgate University; M.S., Boston College
Walter Jerome Schriver, R.A., Elmhurst College
Carl Patrick Stone, B.A., Drake University
Robert Christopher West, B.A., Simpson College
Harvey Mitchell Yorke, B.S., University of Missouri

December 22, 1971

Gilbert Everett Salter, B.A., New Mexico Highlands University; M.A., ibid.
Patricia Rogers Torrington, B.S., Wayne State University
DOCTOR OF MEDICINE

May 26, 1972

Christopher Alan Achterman, B.S., Oregon State University
John Paul Anhalt, B.A., Johns Hopkins University; Ph.D., ibid.
David Hartford Avery, B.A., Wabash College
Walter Fischel Beneist, A.B., University of Pennsylvania
Leon Bialecki, B.S., Long Island University
Janet Christina Bieri, A.B., University of California, Berkeley
Michael David Bieri, B.A., University of Kansas
Fred Dougias Biggs, A.B., Vanderbilt University
William Frederick Blank, Jr., A.B., Washington University
John Ferguson Bland III, B.A., University of Colorado
George James Brahos, B.S., Loyola University
Jane Elsbide Brazy, B.S., University of Colorado
Peter Collins Brazy, B.S., University of Wisconsin
Richard Dean Broadsky, B.A., Johns Hopkins University
Larry Dale Bruce, B.A., University of Iowa
Edward Joseph Campbell, B.S., Purdue University
Robert Vaughan Coble, B.A., Emory University
David John Cohen, B.A., Rice University
Eugene Collins, B.A., Hobart College; B.M.S., Dartmouth Medical College
Loren Arthur Crown
Edward Adelbert Doisy III, B.A., Central Methodist College
Irish Joseph Don
John Meyer Eisenberg, A.B., Princeton University
Robert Louis Faul, B.A., Wabash College
Charles Alan Feldman, B.S., Bradley University
Avery Morton Freed, B.A., University of California, Berkeley
Robert Dean Fry, B.A., Oklahoma City University
Adrian Arthur Pulmer, B.S., University of Illinois
Frank Peyton Gaunt III, B.A., Oberlin College
Leonard Michael Glede
Mary Patricia Ross Glede
Jeffrey Austin Golden, B.A., Yale University
John Gordon Golthofer, B.S., Yale University
Charlene Chang Gottlieb, A.B., Radcliffe College
Alan Howard Grudman, A.B., Duke University
Louis Hafken, A.B., Washington University
Marc Randall Hammerman, A.B., Washington University
Eric Michael Harder, B.A., University of Illinois
Calvin Dale Hawkins, Jr., B.A., Westminster College
Bruce Frederick Hertel
Geoffrey William Hill, B.S., Tufts University
Thomas Clark Hill, B.A., Southern Illinois University
Timothy Louis Robert Holekamp, A.B., Amherst College
Charlotte DeGrant Jacobs, A.B., University of Rochester
Eva Jedlickova
Jay Albert Kaiser, A.B., University of Illinois
George Rudolph Kapusta, B.S., Loyola University
Edward Charles Kaufman, B.A., University of Arizona
Mary Susan Basolo Kennedy, B.S., University of Oklahoma
Kenneth Jay Lisberg, B.S., University of Wisconsin
Dallas Crutcher Long III, D.D.S., University of Southern California
Chauncey Carter Mahay III, B.A., Wabash College
Frank Louis Mannino, A.B., Knox College
Marvin M Maurer, Jr
Jane Ogden McWilliams, B.S., Rensselaer Polytechnic Institute
James Howard Meyers, B.S., Trinity College
Charles William Miller III, B.S., Trinity College
Douglas Kent Miller, A.B., Stanford University
Joan Elizabeth Mollman, B.A., Northwestern University
Newton Dee Mosese III, B.A., University of Oklahoma
Julian Cedell Mosley, Jr., B.S., Saint Louis University
Wayne Eugene Musser, Jr., A.B., University of California, Berkeley
Toby Janet Nathan, B.A., New York University
Robert Jerome Nelson, A.B., Grinnell College
Peter Kenjirow Nishiike, B.A., Whitman College
Thomas Grant Osborn, B.S., Purdue University
John Anthony Parker, B.A., Yale University
Julio Cesar Pita, Jr., B.S., Georgia Institute of Technology
Carl Joseph Porchey, Jr., B.A., Westminster College
Dan Ekon Potts, B.S., Baylor University
Allan Harvey Rappaport, A.B., Oberlin College
Larry Allen Robinson, B.A., University of Kansas
Robert Allen Rosenbaum, A.B., Washington University
Stuart Louis Rosenthal, B.S., Michigan State University
William Joseph Ross, B.A., Miami University
Claudia Lizbeth Sainz, A.B., Washington University
Maria Dolores Santa Maria, B.S., College of Idaho
Robert Frank Scheible, A.B., Johns Hopkins University
Kathleen Ann Brogan Schwarz, B.A., Scripps College; M.A.T., Northwestern University
Robert Holt Seale, B.S., University of Idaho
Ronald Ahrend Shaw, B.S., University of Toledo
Michael Bernard Sheehan, B.S., Rockhurst College
Charles Franklin Shield III, B.S., University of Oklahoma; M.S., ibid.
George Patrick Solis, B.S., Centenary College; B.A. (Oxon), Oxford University
Joel Elliott Tepper, B.S., Massachusetts Institute of Technology
Albert Lee Van Amburg III, A.B., Washington University
Richard Murray Wachsman, A.B., University of California, Los Angeles
Bruce James Wallace, B.S., University of Nevada
Kathleen Anderson Warfel, B.S., Butler University
Rita Addison Wicks, B.S., Purdue University
William Paul Wiesmann, A.B., University of Cincinnati
Winslow Hung Chung Wong, A.B., Washington University
Sydney Thurman Wright, Jr., B.A., Raymond College
THE GRADUATE SCHOOL OF ARTS AND SCIENCES

Candidates Presented by
RALPH ERNEST MORROW, PH.D., Dean

MASTER OF ARTS

May 26, 1972

IN ANTHROPOLOGY
Nina Lilian Etkin, A.B., Indiana University
Abubaker Yousef Shalabi, B.A., University of Libya
Steven Christopher Ward, B.A., University of Washington

IN ART AND ARCHAEOLOGY
Phyllis Eleanor Klehm, B.A., The Principia College
Frederick Spencer Levine, B.A., New York University

IN ASIAN STUDIES
Richard Jones Blabey, A.B., Hamilton College
David Cushing Fues, A.B., Bucknell University
Mark Barry Kertz, B.A. cum laude, San Francisco State College
Shelley Shio-yu Kuo, B.A., National Taiwan University
Sachiko Kaneko Morrell, B.A., Tokyo Woman's Christian College

IN CHEMISTRY
Alan Jay Aron, A.B., Washington University
Hon-Peng Lau, B.Sc. (hons.), Chung Chi College
Louisa Lee Melhado, B.A., Carnegie-Mellon University
Steve Alan Mestemacher, A.B. cum laude, University of Missouri at St. Louis
Charles Adolph Nester, B.S. cum laude, Boston College
David Peter Sinclair, B.S., Rose Polytechnic Institute
Richard Gregory Strickert, B.S., The University of Chicago
Edward Shih Yang, B.Sc., Fu Jen Catholic University
Michael Rod Zalutsky, B.A., Clark University

IN ECONOMICS
Stephen MacKaye Colby, B.A., University of California, Santa Barbara
Lawrence Allan Kaye, A.B., Washington University
Roger Lexoy McClung, A.B., Grinnell College
Norman Neiping Yin, LL.B., National Chengchi University; LL.M., ibid.

IN EDUCATION
James Edwin Murray, B.S.Ed., Illinois State University
Beth Joyce Rubenstein, B.A., The University of Wisconsin

IN ENGLISH
Pamela Renee Braun, A.B., Cornell University
Lawrence William Goldberg, B.A., The University of Wisconsin
Kathleen Kracke Pfeil, B.A., Valparaiso University
Harriette Warner Whiteman, A.B., Greenville College; A.M., University of Michigan

IN GERMAN
Monika Franzen Kabel, A.B., University of Missouri at St. Louis
Bernhard Peter Zimmermann

IN GERMAN AREA STUDIES
William Harold Huffman, B.S.C.E., University of Missouri

IN HISTORY
Steven Maxwell Edwards, B.A., Memphis State University
Martha Rather Lovette, A.B., Washington University
Albert Charles Edward Parker, B.A., The University of Rochester
David Alexander Wilson, B.A., Yale University

IN JAPANESE LITERATURE
Rachel Genevieve O'Meara, B.A., Avila College
IN LINGUISTICS
Laura Ann Omar-Khailany, A.B., Washington University

IN MATHEMATICS
Robert Wallace Ackley, B.S. summa cum laude, Union College
Arlene Sandra Ash, A.B. cum laude, Radcliffe College
Georgeann Mandich Kepchar, A.B. magna cum laude, University of Missouri at St. Louis
JoAnn Padove, B.S., Emory University
John Paul Rice, A.B., Cornell University

IN PHILOSOPHY
Philip Joseph Bosser, A.B., Rockhurst College
Kathleen Marie Squadrito, B.A., San Jose State College
Jean-Claude Volgo, B.A. (hons.), McGill University

IN PHYSICAL EDUCATION
Carol Safford Graia, B.S., Butler University
Cecille Mignon Jutton, B.S.Ed. cum laude, University of Missouri
Calberth Butler Riley, Jr., B.S.Ed., University of Missouri

IN PHYSICS
Spyridon Fotios Apostolou, B.S., Bradley University;
M.S., Rensselaer Polytechnic Institute
Julio Ciro Benegas, Licenciado en Ciencias Físicas,
Facultad de Ciencias de la Universidad Nacional de Cuyo
Charles Jerome Morgan, B.A., Southern Illinois University
Douglas Henry Ohlendorf
Paul Thomas Sewell, B.S., University of Missouri

IN POLITICAL SCIENCE
Robert Jacob Kerstein, B.A., The Pennsylvania State University
Michael Alan Mulkey, B.A. summa cum laude, University of Minnesota
Lois Hecht Oppenheim, B.A., The University of Rochester

IN PSYCHOLOGY
Carole Edelman Zatlin, A.B. cum laude, University of Missouri at St. Louis

IN SOCIOLOGY
Robert Clark Eaton, B.A., University of North Carolina
Carolyn Scott Emerson, B.A., Tougaloo College
Jerald Arthur Neilson, B.A., University of Oregon
Preston Lee Schiller, B.A., Oakland University

IN SPANISH
Susan Kay Menkes, A.B. (hons.), Indiana University

IN URBAN AFFAIRS
Jacqueline Newman Brenner, A.B., Washington University
James Mitchell Wenner, B.A., The University of Kansas

December 22, 1971

IN ART AND ARCHAEOLOGY
Leatrice Goodman McLaughlin, A.B., Connecticut College for Women

IN ASIAN STUDIES
Randolph Spencer Petralia, A.B., The University of Rochester
Anna Ann Yeung, B.A. cum laude, Oklahoma Baptist University

IN BIOLOGY
Virginia Harrison, B.S. cum laude, Webster College
John Paul Jones, B.A., Miami University
Lynn Ardelle Rogers, B.A. magna cum laude, Augustana College
Jackson Thomas Oliver Windom III, B.S. cum laude, Lincoln University

IN CHEMISTRY
Cheuppyeng Cheng, B.Sc., National Taiwan University
Chao-tse Ho, B.Sc., National Taiwan University
Chi-Tang Ho, B.Sc., National Taiwan University
Victor Chao-Min Hseu, B.Sc., National Taiwan University
Yin-Nan Eric Lee, B.Sc., Tunghai University
Paul Arthur Lund, B.A. cum laude, St. Olaf College
Juh-jun Sheu, B.Sc., National Taiwan University
Vincent Tan Yue, B.Sc., National Taiwan University

IN COMPARATIVE LITERATURE
Peter Alscher, B.A. (hons.), Trinity College
IN ECONOMICS
Lawrence Werner Abrams, B.A. *cum laude*, Amherst College
Henrietta Caswell, B.A., Florida Agricultural and Mechanical University
Gavin Michael Chen, B.A. *magna cum laude*, Howard University
Sydney Smith Hicks, B.A., Cornell College

IN ENGLISH
Noha Applebaum, A.B., Rutgers—The State University
Michael E Castro, B.A. *cum laude*, State University of New York at Buffalo
Gail Judith Smiley, B.A. *summa cum laude*, Brown University
Stephen James Snyder, A.B., Washington University
Marion Charlson Steefel, B.A. *cum laude*, University of Minnesota; M.S.W., ibid.

IN FRENCH
Gabor Imre Temesvari, B.S.Ed., Miami University

IN GERMAN
Elfriede Annemarie Heyer, B.A., Millikin University
Roberta Louise Shearer, B.S., Millersville State College

IN JAPANESE LITERATURE
Betty Pei-shan Yue, B.F.A., Washington University

IN LATIN; GREEK
Ronald William Jones, B.A., Concordia Senior College; B.D., Concordia Seminary; Th.Dipl., ibid.

IN MATHEMATICS
Brenda Jean Buchanan, B.S., University of Denver

IN MICROBIOLOGY
Mcherrall Zachuel Thomas, B.S., Agricultural and Technical College of North Carolina

IN MOLECULAR BIOLOGY
Rachelle Sender Beauchamp, B.A. *magna cum laude*, Brown University

IN POLITICAL SCIENCE
Nolan Eugene Jones, B.A., Texas Southern University

IN PSYCHOLOGY
Paul Henry Henkin, B.A., University of Southern California

IN SOCIOLOGY
Grace Kathleen Blumhagen, A.B.Soc., Stanford University
William David Spier, B.A., Hobart College

IN SPANISH; LATIN AMERICAN STUDIES
Joan Ellen Hartmann, B.A., The St. Lawrence University; M.A.T., Harvard University

August 20, 1971

IN ANTHROPOLOGY
Mary Elizabeth Morrison, A.B., Webster College

IN ART AND ARCHAEOLOGY
Mary Michele Hamel, B.A., Michigan State University

IN ASIAN STUDIES
Suguru Akutsu, B.A., Keio University
Carolyn Mauldin Holliday, A.B., Lindenwood College
Su-shyng Mary Shieh, B.A., College of Chinese Culture; M.A., ibid.
August Yun Wang, B.A., Fujen Catholic University

IN BIOLOGICAL CHEMISTRY
Martha Jean Cooper, A.B., Stanford University

IN BIOLOGY
Shelley Brent Plattner, A.B., Washington University
John Cameron Semple, B.S. *cum laude*, Tufts University
Sandra Kathleen Vocelka, A.B. *magna cum laude*, Cornell College

IN BOTANY
Abdalla Abdulhakim El-Gadi, B.Sc. Chem. and Biol., University of Libya
Cathy Ferris, A.B., Washington University

IN CHEMISTRY
Elizabeth Noah Vine, A.B., Washington University
IN COMPARATIVE LITERATURE
Malve Eve Marie Gradinger

IN EARTH SCIENCES
Steven George Katz, A.B., Washington University

IN ECONOMICS
Patricia Ann Knain, B.A., The University of Wisconsin
Jon Robert Miller, B.A. magna cum laude, Pacific Lutheran University
Frank William Ross, A.B. magna cum laude, William Jewel College

IN EDUCATION
Mary Bray Schutzkamer, A.B., Smith College

IN ENGLISH
Candice Haddad Campbell, A.B., Webster College
Marilyn Willer Folik, A.B., Webster College
Mona Susan Goldstein, B.A., State University of New York at Albany
Jay Leon Zelenka, A.B., Washington University

IN FRENCH
Jeanne Suzanne Fast, A.B. magna cum laude, University of Missouri at St. Louis
Stephanie Cripps Garganigo, B.A. (hons.), University of Exeter
Lucinda Bagby Marrs, B.A., Rice University
Robert James Nish, B.A., Seton Hall University

IN HISPANIC LANGUAGES AND LITERATURE
Graciela Noemí Vico Corvalán, Professorship in Phil., National University of Cuyo

IN HISTORY
Peter Alfred Butzin, B.A. cum laude, Carleton College
Stephen Lawrence Graham, B.A., Carleton College
Myra Samuels Himelhoch, A.B. summa cum laude, Radcliffe College;
M.A., Teachers College, Columbia University
David Alan Horrocks, B.A., Harpur College
Marvin Howard Kabakoff, A.B. cum laude, Brandeis University

IN MATHEMATICS
Robert Clement Wanzong, B.A., St. Cloud State College

IN MUSIC
Charles Edward Bley, B.M.Ed., Webster College
John Paul Jackson, B.Mus., Oklahoma City University

IN PHYSICS
John Roger Olson, B.S., Saint Louis University

IN PHYSIOLOGY AND BIOPHYSICS
Frank Bacon Lacy, B.A., The Catholic University of America
Sally Elizabeth Barker, A.B. cum laude, Goucher College
Michael Gelmer, B.A., Michigan State University
Katherine Ann Sheram, B.A., The University of North Carolina
Todd Frederick Swanson, B.A. summa cum laude, Macalester College

IN POLITICAL SCIENCE
Sally Elizabeth Barker, A.B. cum laude, Goucher College
Michael Gelmer, B.A., Michigan State University
Katherine Ann Sheram, B.A., The University of North Carolina
Todd Frederick Swanson, B.A. summa cum laude, Macalester College

IN PSYCHOLOGY
Susan Riley Snider, B.S., Purdue University
Kenneth Robert Waidman, A.B., Washington University

IN SOCIOLOGY
Ruffin Kirby Harris, A.B., Washington University
Lawrence Allan Kogan, B.A. cum laude, University of Pittsburgh
Thomas M Shapiro, B.A., The University of Wisconsin

IN SOCIOLOGY; LATIN AMERICAN STUDIES
Kenneth Carleton Kusterer, B.A., Yale University

IN SPANISH
Luis Felipe Clay, B.S.Ed., Southwest Missouri State College
Federica Domínguez Colavita, Licenciada en Literatura, Facultad de Filosofía y Letras,
Universidad Nacional de Cuyo
MASTER OF ARTS IN TEACHING

May 26, 1972

IN ART
Carol Jameton Hustace, B.F.A., Washington University
Roderick Michael Latta, B.A., Southern Illinois University
Thomas Lee Schwarze, B.F.A., Washington University
Merlin Tracy Taylor, Jr., B.F.A., Washington University

IN BIOLOGY
Edward Lee Corley, B.A., Wabash College
Mary Gouvea Martonosi, A.B., Emmanuel College

IN LATIN
Jackie Sue Adler, A.B. cum laude, Washington University

IN MATHEMATICS
Raymond Charles Eyler, B.S. magna cum laude, Saint Louis University

IN MUSIC
Laura Ann Schindler, B.Mus. cum laude, Fontbonne College

IN SOCIAL STUDIES
Thomas McKee Dee, A.B., Stanford University

December 22, 1971

IN BIOLOGY
Carol Sue Mehlman, B.S., Newcomb College of Tulane University

IN ENGLISH
Dianne Ruth Shamski, B.A. cum laude, Miami University

IN MUSIC
Cynthia Leigh Green, A.B., Washington University

August 20, 1971

IN BIOLOGY
Ana Alberta Cabral, Med. Tech., Universidad Autonoma De Santo Domingo

IN ENGLISH
Cynthia MacDonald Gamblin, B.S., Washington University
Nikki Cohn Tureen, B.S., Syracuse University
Sheryl Darlene Wiley, A.B., Webster College

IN FRENCH
Phyllis Lee Goldfarb, A.B., Washington University

IN SOCIAL STUDIES
Ilene Cohen Edison, A.B., Smith College
Lee Garland Elhott, B.A., The University of Texas
Howard Jay Stein, A.B., Washington University
MASTER OF ARTS IN EDUCATION

May 26, 1972

IN EDUCATION

Edward George Abelson, A.B., Washington University
Jean Marie Bangert, B.A., The University of Kansas
Marlene Kornblatt Barrett, B.S., magna cum laude, Washington University
Christine Wilhelmine Bertels, B.S., The Creighton University;
M.A., Saint Xavier College
Kathryn Ann Blumberg, B.S.Ed., Washington University
Jeanne Monroe Bush, A.B.Eng., Indiana University
Dorothy Ann Burkemer, A.B., Webster College
Charnelle Allan Cashion, A.B., Lindenwood College
Jeanne Monroe Cline, A.B., Indiana University
Kenneth Lorraine Clounch, B.S.Ed., Kansas State College of Pittsburg
Joan Zimmerman Cohen, A.B., Sarah Lawrence College
Marcelle Dingle, B.A., Inter American University of Puerto Rico
Elizabeth Jones Douglass, B.A., Brown University
James Ian Frost, A.B., Washington University
Pamela Sue Gomper, B.S.Ed., University of Missouri
Susan Jean Gross, B.S.Ed., University of Missouri
Alexander Donald Harris, B.A., Evansville College
Genevieve Marie Hitzeman, B.F.A., Washington University
Joseph Charles Imberman, A.B., cum laude, Washington University
Kathleen Louise Jablonowski, B.A., magna cum laude, Notre Dame College
Billie Whitfield Jacobs, A.B.Ed., Harris Teachers College
Susan Giede Jones, A.B., Washington University
Ruth-Ellen Kessler, A.B., Washington University
Dexter Allan Kuhlman, A.B., Drury College
Madeleine Therese Kuhlman, B.A., DePauw University
Gregory Lee Mayer, A.B., Washington University
Shirley Cole McCullough, A.B.Ed., Harris Teachers College
Gloria Crawford Moses, B.S., Bishop College
Donna Anita Niehaus, B.S.Ed., Southwest Missouri State College
Susan Jan Offenbach, B.S.Ed., University of Missouri
Samuel Modupeola Opela, B.Sc., The University of Nigeria
Martin Lee Page, B.S.Ed., Southeast Missouri State College
Anne Elizabeth Roberts, B.A., DePauw University
Shirley Tatum Wright, A.B.Ed., Harris Teachers College

IN MUSIC EDUCATION

Louise Ann Abbott, A.B.Ed., Harris Teachers College
Stephan Kal-Nin Yik, B.A., Azusa Pacific College; M.A., ibid.;
B.Th. Bethel Bible Seminary

IN PHYSICAL EDUCATION

Dennis Ehler, A.B.Ed., Harris Teachers College
Stanley Robert Henderson, B.P.E., Purdue University
Judith Diana Ray, A.B.Ed., Harris Teachers College

December 22, 1971

IN EDUCATION

Peggy Robiner Goldfader, A.B., Washington University
Kathryn Lee Kenny, A.B., Washington University
Dorothy W. Leven, B.S., Washington University

IN MUSIC EDUCATION

Frederick Casimir Kramer, A.B., Saint Louis University
August 20, 1971

IN EDUCATION
Prem Parkash Bahl, B.A., Panjab University; B.Ed., ibid.
Theodore Albert Bernstein, B.S., Wisconsin State University
Kathryn Walters Broussard, B.A. cum laude, Doane College
Dale Robert Burian, A.B.Ed., Harris Teachers College
Nancy Cummings Connor, B.I., University of Missouri
Theodore Herman Greiner, Jr., B.A. cum laude, Colorado College
Ann Catherine Haug, A.B. magna cum laude, Washington University
George Lindsay Lane, B.S., Washington University
Joyce Hill Phillips, A.B.Ed., Harris Teachers College
Donna Sue Russell, A.B. (hons.), Wheaton College
Mary Karen Schmieder, B.A., University of the Americas
Karen Rose Indelicato Schneider, B.S., Saint Louis University
Daniel Joseph Simmons, B.A., Wabash College

IN MUSIC EDUCATION
James Franklin Cheeley, B.S.Ed., Washington University
Diane Hotham Herold, B.Mus., DePauw University
Milton Saul Rudy, B.S.Ed., Washington University

IN PHYSICAL EDUCATION
Melanie Patricia DePorter, A.B., Webster College
Richard Powell Sturm, B.S.Ed., Greenville College

MASTER OF SCIENCE IN SPEECH AND HEARING
May 26, 1972
Dorothea Frances Baker, B.S.Ed., Miami University
Janet Kathleen Barger, B.S.Ed., University of Oklahoma
Maxine D Brandwine, B.A., State University of New York at Buffalo
Carol Lee DeFilippo, B.A. summa cum laude, Newark State College;
M.S., Purdue University
Markel Kent Drum, B.S.Ed., The University of Kansas
Tillie Gold Friedenberg, B.S., Washington University
Marcy Lee Guberman, A.B., Washington University
Joan Ilene Katz, A.B., Washington University
Ann Elizabeth Kincaid, B.A., University of Oregon
Leslie Henkel Lehner, B.A., The George Washington University
Patricia Donahue Miller, A.B., The University of Alabama
Helen Lehman Orringer, B.S.H.S. (hons.), Ohio University
Kay Marie Reinhardt, B.S.Ed. cum laude, University of Missouri;
Jane Elizabeth Ryan, B.A. magna cum laude, Fontbonne College
Carol Sue Williams, B.S.Ed., Miami University
Marilynn Jo Wilson, B.A. (hons.), Michigan State University
Linda Hardie Witt, B.S. (hons.), Purdue University

December 22, 1971
Luisa Elena Pachano Amundaray, B.S.Ed., Washington University

MASTER OF MUSIC
May 26, 1972
Dianne Struck Bodeen, A.B. magna cum laude, Occidental College
Terry Leonard Braverman, A.B. summa cum laude, Columbia University
Stephen Milne Curtis, A.B., Middlebury College
William Douglas Edwards II, B.A., Northeast Missouri State Teachers College
Brinda Joyce Jackson, B.S.Ed., Washington University
Judy Lynn Van Peursem, B.S., Northwestern College

December 22, 1971
David Ritchie Hunsberger, B.Mus. cum laude, Baldwin-Wallace College

August 20, 1971
Maureen Ann McIntyre, B.Mus. magna cum laude, Fontbonne College
Elizabeth Holly Outwin, A.B., Washington University
Donald Warren Paterson, B.Mus., New England Conservatory of Music
Dipl.; Vienna State Academy of Music
ADVANCED GRADUATE CERTIFICATE IN EDUCATION

May 26, 1972
IN EDUCATION
James Francis Fowler, B.S., Washington University; M.A.Ed., ibid.

December 22, 1971
IN EDUCATION
Haruo Kawai, B.Ed., Tokyo University of Education; M.Ed., ibid.;
M.S.Ed., Southern Illinois University

August 20, 1971
IN EDUCATION
James David Bimes, B.A., Greenville College; M.A.Ed., Washington University

DOCTOR OF EDUCATION

May 26, 1972
IN MUSIC EDUCATION
Tilford Uthratesse Brooks, B.S.Ed., Southern Illinois University;
M.A.Ed., Washington University
Title of Thesis: A Historical Study of Black Music and Selected Twentieth Century
Black Composers and Their Role in American Society: A Source Book for Teachers

August 20, 1971
IN MUSIC EDUCATION
Richard Oliver Garcia, B.Mus., St. Louis Institute of Music;
M.A.Ed., Washington University
Title of Thesis: An Evaluation of a Combined Violin-Vocal Approach to
Teaching Music Reading When Compared with an Essentially Vocal Approach
Mary Tobias Hagan, B.Mus., Fontbonne College; M.Mus., Washington University
Title of Thesis: The Structural Method of Teaching Music Listening, Grades K-9
## DOCTOR OF PHILOSOPHY

**May 26, 1972**

### IN ANTHROPOLOGY

DeWight Ray Middleton, B.S.Ed., Ball State Teachers College; M.A., ibid.

**Title of Thesis:** Form and Process: A Study of Urban Social Relations in Manta, Ecuador

### IN BIOLOGICAL CHEMISTRY

Daniel Anthony Konon, M.D., Queens University; M.S., McGill University

**Title of Thesis:** Mammalian Acyl Carrier Protein and its Involvement in Fatty Acid Biosynthesis

Frank Eugene Ruch, Jr., A.B., Dartmouth College; M.Sc., The University of British Columbia

**Title of Thesis:** Malonyl-CoA-ACP Transacylase from *Escherichia Coli*; Isolation and Characterization of a Malonyl-Enzyme Intermediate in Fatty Acid Synthesis

### IN BIOLOGY

Sze-shuen Chu Cheung, B.Sc., The Chinese University of Hong Kong

**Title of Thesis:** Genetic Studies of the Ringworm Fungus *Arthroderma benhamiae* Ajello and Cheng, 1967

John Wilson Noell, A.B., Washington University

**Title of Thesis:** Ecology of Slime-Inhabiting Geofungi in a Polluted Creek

### IN BIOLOGY AND TECHNOLOGICAL DEVELOPMENT

Mohammed-Taqi Farvar, B.A., Evansville College

**Title of Thesis:** Ecological Implications of Insect Control in Central America: Agriculture, Public Health and Development

### IN CHEMISTRY


**Title of Thesis:** Application of Free-Electron Theory to the Singlet and Triplet State Properties of Symmetric Cyanine Dyes

Alexander Constantine Xenoulis

**Title of Thesis:** Nuclear-Structure Investigations by means of $^\text{(p,}^\gamma\text{)}$ Prompt Gamma-Ray Spectrometry

### IN CLASSICS

John Arthur Hollar, B.A., Concordia Senior College; M.Div., Concordia Seminary; A.M., Washington University

**Title of Thesis:** The Traditions of Satire and Invective in Catullus

### IN COMPARATIVE LITERATURE


**Title of Thesis:** The Uses of the Landscape: A Study in 18th Century Poetry

### IN EARTH SCIENCES

Larry Jack Lee, B.S., University of Missouri; A.M., ibid.

**Title of Thesis:** Longitudinal Profiles and Related Hydraulic Properties of the Mississippi River System

Ronald Willis Sherwood, B.S.Ed., Edinboro State College

**Title of Thesis:** Coccolithophorid Biostratigraphy and Systematics of the Middle Eocene Wecoch Formation of Texas

Melvin Lee Shourd, A.B.Ed., Harris Teachers College; B.S., Oregon State University; M.Ed., University of Missouri; A.M., Washington University

**Title of Thesis:** A Paleocological Study of the Decorah Subgroup (Middle Ordovician) in the Middle Mississippi Valley

### IN ECONOMICS

David Elliot Berger, B.S., Temple University; M.B.A., Drexel Institute of Technology; A.M., Washington University

**Title of Thesis:** An Analysis of Mature Regions: A Study in Labor Market Dynamics

Banarsi Dass Dhawan, B.A. (hons.), University of Delhi; M.A., ibid.; A.M., Washington University

**Title of Thesis:** Economics of Satellite Television for India

Louis Havis Ederington, B.A., Hendrix College; A.M., Washington University

**Title of Thesis:** Yield and Underwriter Spreads on New Issues of Corporate Bonds

Charles Donald Liner, B.S., University of Chattanooga; M.A., The George Washington University

**Title of Thesis:** A Study of Family Medical Care Expenditures

### IN EDUCATION

Bernard Lipnick, B.A., The Johns Hopkins University; B.H.L., Baltimore Hebrew College; M.H.L., Jewish Theological Seminary; Rabbi, ibid.

**Title of Thesis:** A Description and Analysis of an Innovative Program in Jewish Religious Education

### IN ENGLISH

Andrew Vogel Ettin, A.B., Rutgers—The State University; A.M., Washington University

**Title of Thesis:** Style and Ethics in the Pastoral Eclogues of Vergil and Spenser
Thomas Raphael Lyons, Jr., A.B., Saint Louis University; Ph.L., ibid.; A.M., Washington University
Title of Thesis: Middle English Political Poetry: The Poet's Call for Stability

Mary O'Reilly Rush, B.S., Saint Louis University; A.M., ibid.
Title of Thesis: Fictions of Concord: The Comedies of George Chapman

Jamieson Spencer, A.B., Princeton University; M.A., The University of Sussex
Title of Thesis: Innovative Dramaturgy: Shakespeare's "Middle Period"

IN GERMAN
Diana Orendi Hinze, A.M., Washington University
Title of Thesis: Wandlungen des Trakl-Bildes, Zur Rezeptionsgeschichte Georg Trakls

Juergen Otto Pfitzner, B.A., Franklin and Marshall College; M.A., University of Maryland
Title of Thesis: Der Anglizismus im deutschen. Ein Beitrag zur Bestimmung seiner stilistischen Funktion in der heutigen Presse

IN HISTORY
Douglas Walter Foard, A.B., Randolph-Macon College; M.A., University of Virginia; A.M., Washington University
Title of Thesis: Ernesto Gimenez Caballero and the Revolt of the Aesthetes: A Study in Spanish Cultural Nationalism in the Twentieth Century

Frances Arick Kolb, A.B., Washington University; M.A., University of Pennsylvania
Title of Thesis: The Reaction of American Protestants to Psychoanalysis 1900-1950

IN MATHEMATICS
Eduardo Hector Carlos Cattani, Licenciado en Matematicas, Universidad de Buenos Aires Facultad de Ciencias Exactas y Naturales
Title of Thesis: On the Partial Compactification of the "Modular Variety" Associated to a Kahler Surface

Jia-Arng Chao, B.Sc., Taiwan Normal University; M.Sc., National Tsing Hua University
Title of Thesis: Conjugate Systems on Local Fields

Floyd Leroy Williams, B.S., Lincoln University; A.M., Washington University
Title of Thesis: Reduction of Tensor Products of Principal Series Representations of Complex Semi-Simple Lie Groups

IN NEUROBIOLOGY
Larry William Swanson, B.A., Pomona College
Title of Thesis: A Comparison of the Drinking Response Elicited by Microinjection of Carbachol and Angiotensin II Directly into Specific Brain Loci of Rats

IN PHARMACOLOGY
Mary Ann Marrazzi, B.A., University of Minnesota
Title of Thesis: Prostaglandin Dehydrogenase: Purification and Properties

IN POLITICAL SCIENCE
Richard Edward DeLeon, A.B., University of California, Berkeley; M.A., San Francisco State College
Title of Thesis: Politics, Economics and Redistribution in the American States

Virginia Hickman Gray, B.A., Hendrix College; A.M., Washington University
Title of Thesis: Theories of Party Leader Strategy and Public Policies in the United States

Title of Thesis: The Political Ideologies of the AFL and the CIO During the New Deal

IN PSYCHOLOGY
Margaret Ellen Abel, B.A., Mills College
Title of Thesis: The Visual Trace in Relation to Aging

Marc Beloff, A.B., Washington University; M.A., Hofstra University
Title of Thesis: An Ethological Study of the Development of Social Interaction in the Genus Canis—a Dyadic Analysis

Janice Soltis Dobies, B.A., University of North Dakota
Title of Thesis: Expectancy Confirmation-Disconfirmation and Cognitive Complexity-Simplicity as Determinants of Affect

Michael McNeill, A.B., Antioch College
Title of Thesis: A Construct Validity Study of Dominance

Daniel Joseph Venezia, A.B., Washington University
Title of Thesis: Correlates of Body Attitude Change in Pregnancy

IN SOCIOLOGY
William Arkin, B.A., San Fernando Valley State College; M.A., ibid.
Title of Thesis: Drug Abuse: A Challenge to the Work Ethic

Title of Thesis: Social Responsibility and the American Corporation: A Benefit-Cost Perspective

IN SOCIAL WORK
Eugene Vinton Fletcher, B.S., St. John's University; M.S.W., Saint Louis University
Title of Thesis: Enhancing the Therapeutic Relationship: Effect of Interpersonal Compatibility upon Patient Interpersonal Attraction
December 22, 1971

IN ANATOMY
David Isidore Gottlieb, B.A., Harpur College; M.A., The University of Wisconsin
Title of Thesis: Morphological Studies of the Hippocampus and Dentate Gyrus

IN BIOLOGICAL CHEMISTRY
Robert Peter Aaronson, A.B., Brandeis University
Title of Thesis: Protein-Protein Interactions of Rabbit Muscle Phosphofructokinase

IN BIOLOGY
Charles Vance Gordon, Jr., B.A., University of Colorado
Title of Thesis: Informational Entropy, Species Diversity, and the Measurement of Environmental Grain

IN BUSINESS ADMINISTRATION
Thor William Bruce, Jr., A.B., Washington University; M.B.A., ibid.

IN CHEMISTRY
Malcolm McFarland Fowler, B.S., The University of New Mexico; A.M., Washington University
Title of Thesis: Nuclear Charge Distribution in Fission: Independent Yields of 128Sb, 129Sb, and 130Sb from Thermal-Neutron Fission of 235U
Sanford Niel Gitel, B.A., Yeshiva University
Title of Thesis: Polyfunctional Catalysts for the Aldolization of Dihydroxyacetone Phosphate

IN ECONOMICS
Roger Yann Michel Andrieu, Dipl., Ecole Superieure de Commerce de Paris; A.M., Washington University
Title of Thesis: Derived Demand, Returns to Scale and Monopoly
Gerald Alfred Hanweck, A.B., Stanford University; A.M., Washington University
Title of Thesis: An Empirical Study of Commercial Bank Pricing Behavior in Business Lending
Lionel Kalish III, A.B., cum laude, Washington University; M.A., Northwestern University
Title of Thesis: The Influence of Current and Potential Competition on a Commercial Bank's Operating Efficiency
Lawrence Slifman, A.B., The University of Chicago; A.M., Washington University
Title of Thesis: Occupational Mobility of Low Income Workers

IN EDUCATION
Ann Carol Berlak, B.A., Swarthmore College; M.Ed., Harvard University
Title of Thesis: An Interview Study of Ten Elementary Aged Boys' Conceptions of Authority and Deviant Behavior at School

IN HISTORY
Lance Gilbert Banning, B.A., University of Missouri at Kansas City; A.M., Washington University
Title of Thesis: The Quarry with Federalism

IN MOLECULAR BIOLOGY
Michael James Wade, B.S., University of Utah; M.S., ibid.
Title of Thesis: Structural Studies on the Cytoplasmic Malate Dehydrogenase of Heart Muscle

IN MUSIC
Almarie Dieckow, B.Mus., The University of Texas; M.Mus., ibid.
Title of Thesis: A Stylistic Analysis of the Solo Keyboard Sonatas of Padre Antonio Soler

IN NEUROBIOLOGY
Barbara Ann Bohne, A.B., Washington University
Title of Thesis: Scar Formation in the Inner Ear Following Acoustical Injury: Sequence of Changes from Early Signs of Damage to Healed Lesion

IN PHYSICS
Joseph Ignatius Fernandez, B.Sc., Makerere University College
Title of Thesis: The Charge Composition and Energy Spectrum of Very Heavy Cosmic Rays
Martin George Seitz, B.S.Phys., University of Missouri School of Mines and Metallurgy
Title of Thesis: Heavy Ion Radiation Studies in Terrestrial and Extraterrestrial Materials

IN POLITICAL SCIENCE
Jane Elizabeth Decker, B.A., University of Oregon; A.M., Washington University
Title of Thesis: A Study in Revolutionary Theory: The French Student-Worker Revolt of May 1968
Albert Raymond Trost, Jr., B.A., Valparaiso University; A.M., Washington University
Title of Thesis: A Comparison of Public and Parochial Elementary Schools as Agents of Political Socialization
IN PSYCHOLOGY
Walter Thomas Ogle, B.A., Southern Illinois University
Title of Thesis: Lateral Eye Movements: Their Relationship to Reading Speed, Cardiac Responsivity and Ability to Process Speeded Information in Visual and Auditory Modes
David Charles Tanis, A.B., University of Miami; M.S., ibid.
Title of Thesis: A Signal-Detection Analysis of Auditory Evoked Potentials in an Intensity Discrimination Task

IN SOCIOLOGY
Philip Norman Kraft, A.B. cum laude, Brandeis University
Title of Thesis: The Development of Planning: State and Class in India
Robert Eugene Wicke, B.A., The University of Chicago; M.A., The University of Toledo
Title of Thesis: Class and Class Conflict in the American State

IN ANTHROPOLOGY
Steven Airlie LeBlanc, B.A., Pomona College; M.A., University of California, Santa Barbara
Title of Thesis: Computerized, Conjunctive Archeology and the Near Eastern Halaf
Michael Rogers Seltzer, B.A., University of Missouri at Kansas City; M.A., ibid.
Title of Thesis: The First and Last: A Study of Seamen Ashore

IN BIOLOGICAL CHEMISTRY
Nancy Lewis Baenziger, B.A. magna cum laude, St. Olaf College
Title of Thesis: Membrane Metabolic Activity and Function in Human Platelets
Claire Hollingsworth Birge, B.A. cum laude, Vanderbilt University
Title of Thesis: Studies of a Class of Mutants and the Intermediate Reactions of Unsaturated Fatty Acid Synthesis in the E. coli; Purification and Properties of B-Hydroxyacyl-ACP Dehydrase

IN BIOLOGICAL CHEMISTRY AND MOLECULAR BIOLOGY
John Charles Mauck, B.S., Purdue University
Title of Thesis: The Mode of Cell Wall Growth in Gram Positive Bacteria

IN BIOLOGY
Laura Sample Bradford, A.B., Grinnell College
Title of Thesis: Genetics of Incompatibility and of Fruiting in Coprinus Curtus Kalchbrenner
Eric Eisenstadt, A.B., Washington University
Title of Thesis: Cation Transport during Sporulation and Germination in Bacillus Subtilis
Stephen Edward Williams, B.A., Central Methodist College; M.S., The University of Tennessee
Title of Thesis: Rapid Inflection of Drosera Tentacles

IN BUSINESS ADMINISTRATION
Christopher Upjohn Light, A.B., Carleton College; M.S., Columbia University; M.B.A., Western Michigan University
Title of Thesis: The Effect of News of General Interest on Stock Market Prices

IN CHEMISTRY
Title of Thesis: Discrete Structure in the Spectrum of Vapor Phase Sodium Iodide

IN COMPARATIVE LITERATURE
John Francis Plummer III, B.A., Northern Illinois University; A.M., Indiana University
Title of Thesis: The Continental Love Song Tradition and a Critical Theory for Middle English Love Lyrics

IN EARTH SCIENCES
Stanley Shiann-Shyang Sun, B.Sc., National Taiwan University; M.Sc., ibid.
Title of Thesis: Fission Track Study of the Cheney Pond Titaniferous Iron Ore Deposit, Tahawus, New York

IN ECONOMICS
Robert Allen Bohm, A.B., Colgate University; A.M., Washington University
Title of Thesis: The Determinants of Nonwhite Male Employment Growth and Migration Behavior in Large U. S. Cities
Title of Thesis: A Model of Family Size and Intergenerational Transfers and its Implications for Economic Growth
Title of Thesis: Differential Short Period Changes in Earned Income in Manufacturing Among Urban Areas
Ben-chieh Liu, B.A. (hons.), National Taiwan University; M.A., Memorial University of Newfoundland; A.M., Washington University
Title of Thesis: Regional Growth and Local Government Finance: An Econometric Study

Dennis Zimmerman, B.A., Blackburn College; A.M., Washington University
Title of Thesis: The Distribution of Public Higher Education Expenditures and Finances: The St. Louis-St. Louis County Junior College District

IN EDUCATION

Jimmie Ray Applegate, B.S., Oregon State University; B.S., Eastern Oregon College; M.S., ibid.
Title of Thesis: A Description and Analysis of Role Playing as a Student Activity in an Elementary Classroom

Charles Myron Dye, A.B.Ed., Harris Teachers College; M.A.Ed., Washington University
Title of Thesis: Calvin Milton Woodward, a Leader of the Manual Training Movement in American Education

Title of Thesis: The Social and Educational Position of the American Federation of Teachers, 1929-1941

Warren Howard Solomon, A.B., Oberlin College; M.A.T., Harvard University
Title of Thesis: Toward the Development of a Theory of Teaching: A Participant Observer's Study of the Experimental Trial of Lessons from a Social Studies Curriculum Project

IN ENGLISH

James Edward Bartell, B.A., Oklahoma State University; A.M., Washington University
Title of Thesis: The Ritual of Failure: Pattern and Rhythm in the Novels of Theodore Dreiser

Robert Louis Chiavese, A.B., Rutgers-The State University; A.M., Washington University

IN HISTORY

Ralph Max Engelman, A.B., Earlham College; A.M., Washington University
Title of Thesis: Dietrich Eckart and the Genesis of Nazism

IN MATHEMATICS

Humberto Raúl Alagia, Licenciado en Matemática, Universidad Nacional de Córdoba
Title of Thesis: Conjugate Classes of Cartan Subalgebras of Real Simple L*-Algebras

Robert Ellery Clapp, B.A., Reed College; M.A., University of Washington
Title of Thesis: Nonreducibility of the Holonomy Bundle for Certain Symmetric Spaces

Aroldo Gustavo Kaplan, Licenciado en Matemáticas, Universidad Nacional de Córdoba
Title of Thesis: Restriction of Differential Operators on a Semisimple Lie Group

Title of Thesis: Non-Directed Light Signals and the Structure of Time

Cornelius John McCann, A.B., cum laude, Boston College; M.A., ibid.
Title of Thesis: Wiener-Hopf Equations on Ordered Locally Compact Non-Abelian Groups

IN MICROBIOLOGY

James Y Chou, B.S., Columbia University
Title of Thesis: T4 Bacteriophage Messenger RNA: Expression and Degradation

IN MOLECULAR BIOLOGY

Everett Flanigan, B.S., Clark College; M.S., Howard University
Title of Thesis: Studies on the Solid Phase Synthesis of Cyclic Peptides

Larry Eugene Hopwood, B.A., The Johns Hopkins University
Title of Thesis: Deficient DNA Synthesis and Mitotic Death in X-Irradiated HeLa Cells

David Alan Lennette, A.B., University of California, Berkeley
Title of Thesis: Characterization of the Defects in an E. coli Alkaline Phosphatase Mutant

Evelyne Tam Lennette, A.B., University of California, Berkeley
Title of Thesis: Studies of RNA Metabolism in a Temperature Sensitive Escherichia coli Mutant

IN MUSIC

Title of Thesis: The Music of the Lamentations: Historical and Analytical Aspects

Susan Chaflina Kovalenko, B.A., Mills College; A.M., Washington University
Title of Thesis: The Twentieth Century Requiem: An Emerging Concept

Robert Joseph Niclosi, B.A., The Catholic University of America
Title of Thesis: Formal Aspects of the Minuet and “Tempo Di Minuetto” Finale in Instrumental Music of the Eighteenth Century
IN PATHOLOGY
Richard Joseph Ford, Jr., B.S., Wayne State University; M.S., ibid.
Title of Thesis: Immunologic Capabilities of Cells from the Lungs

IN PHILOSOPHY
Richard Joseph Feldman, Th.B., Northern Baptist Theological Seminary;
M.A., Roosevelt University
Title of Thesis: Legal Realism and the Rule Theory of Law
Mario Frank Morelli, B.A., The Johns Hopkins University;
A.M., Washington University
Title of Thesis: Fairness and Political Obligation

IN PHYSICS
George Emmanuel Blandford, Jr., A.B. cum laude, The Catholic University of America;
M.S., University of Louisville
Title of Thesis: Calibration and Use of Plastic Track Detectors in the Study of
Extremely Heavy Cosmic Rays
Richard Alvin Mewaldt, B.A. cum laude, Lawrence University;
A.M., Washington University
Title of Thesis: The Composition of Relativistic VH and VVH Cosmic Rays
David Edwin Palaith, B.S. Phys., Lafayette College; M.S., Northern Illinois University
Title of Thesis: Applications of a Band Model to Crystalline DPPH-Benzene
Charles Dean Pfeifer, B.S., Hamline University; A.M., Washington University
Title of Thesis: Energy Transfer from a Pulsed Thermal Source to Helium Below 0.3°K
John Paul Wefel, B.S., Valparaiso University; A.M., Washington University
Title of Thesis: Measurements of the Relative Abundances of Extremely Heavy
Cosmic Ray
Chia Hsiung Yang, B.S., Tunghai University; M.Sc., National Tsing Hua University;
A.M., Washington University
Title of Thesis: Theory of Superfluidity in Strongly-Interacting Many Fermion
Systems with Applications to Pure Neutron Matter, Symmetrical
Nuclear Matter, and Neutron Star Matter

IN POLITICAL SCIENCE
William Paul Browne, B.S., Iowa State University; M.S., ibid.
Title of Thesis: Spokesmen for Cities: Organizational Activities and Membership
in Voluntary Municipal Associations
Shirley Jo Verschleiser Holtzman, B.S., Northwestern University;
A.M., Washington University
Title of Thesis: Relationships of Social Characteristics, Attitudes, and
Political Behavior of Inner-City Community College Students
Carl Douglas Tubbesing, A.B., Washington University
Title of Thesis: Attitude Consensus and Conflict in an Interest Group:
The Case of Two St. Louis Labor Unions

IN PSYCHOLOGY
Alan Warren Friedman, B.A., Queens College
Title of Thesis: Time Estimation as a Function of Psychopathology
Gloria St. Fergys Gordon, B.S. cum laude, Maryville College
Title of Thesis: Visual Perception by the Crayfish of Environmental Motion
Shirley Yard Hill, A.B., Grinnell College
Title of Thesis: A Serotonin Hypothesis of Alcohol Consumption in Experimental
Animals
Todd Franklin Hines, B.A., Drake University
Title of Thesis: A Multitrait-Multimethod Analysis of the Internal-External
Control Concept
Philip Lee Kapnick, A.B., Washington University
Title of Thesis: Recognition Memory of Verbal Material of Varying Lengths
as a Function of Age
Burwell Boykin McCaa, Jr., A.B., University of Missouri; A.M., ibid.
Title of Thesis: A Study of Some Factors Mediating Unintended Experimenter
Effects upon Subjects in Psychological Experiments
Ilene Gordon Wittels, A.B., Washington University
Title of Thesis: The Relationship Between Age and Meaningfulness in a
Verbal Learning Task

IN SOCIAL WORK
Phillip E Jacobs, B.A., New York University; M.S.W., The Florida State University
Title of Thesis: Innovation Trial in Psychiatric Settings
Richard Lloyd Swaine, A.B., University of Missouri; M.S.W., Washington University
Title of Thesis: Group Goals: Their Relationship to Group and Individual
Functional Competence

IN SOCIOLOGY
Jorge Jose Giusti, Licenciatura en Sociologia, Universidad de Buenos Aires Facultad
de Filosofia y Letras
Title of Thesis: “Social Martinality” in Chile: The Process of Squatter Settlements
Formation in Santiago
William B. Helmreich, B.A., Yeshiva College; A.M., Washington University
Title of Thesis: The Black Crusaders: A Case Study of a Black Militant Organization

James Jay Noell, B.S., The University of Wisconsin; A.M., Washington University
Title of Thesis: Government and Society: An Empirical Analysis of Bureaucracy and Budget Allocations in the American States

Patrick Henry Witte, A.B., Washington University; A.M., ibid.
Title of Thesis: The Effects of Group Reward Structure on Interracial Acceptance, Peer Tutoring and Academic Performance

IN SPANISH
Juan Jose Gilabert, B.A., The University of Wisconsin; M.A., ibid.
Title of Thesis: La Obra de Narcis Oller y la Novelistica Española del Siglo XIX
PRIZES, AWARDS AND HONORS

ETHAN A. H. SHEPLEY AWARD
In recognition of leadership, scholarship, and service to the campus community,
Michael Gordon Biggers, Harvey Steven Darnell, Michael Tully Huguenin,
Jonathan Leslie Weaver

THE COLLEGE OF ARTS AND SCIENCES
AND THE GRADUATE SCHOOL OF ARTS AND SCIENCES
Academy of American Poets Prize in English, Judith Rose Fuchs Rechter
Award for Contributions in Anthropological Field Research, Michael Leo Hundert
Award for Excellence in Anthropology, Georgiana Rose McCormick
Antoinette Frances Dames Award for Productive Scholarship:
In Music, Charles Porter Mitchell
In Political Science, Kevin James Dougherty, Marjorie Mandel,
Rogers Coyle Lowery, Robert Logan Ashbaugh
In Speech and Hearing, Dorothea Frances Baker, Marilyn Jo Wilson
F. Ward Denys Prize in English, Deborah Ann Hubert
Honorable Mention, Trudi Helen Weinberg
Dramatics Club Prize, Howard Robinson Mayer, Rozelle Sue Kesner
J. Walter Goldstein Prize in History, David Alan Gutting
Roger Conant Hatch Prize in English, Iveta Dzelzitis
Arnold J. Lien Prize in Political Science, Susan Kaplan
Norma Lowry Memorial Fund Prize, Arthur Ray Brown
Honorable Mention for Department of English Poetry Contests,
Margaret Movshin Criscuola, Kenneth Allen Lauter, Michael Coe Ninde
Ross A. Middlemiss Prize in Mathematics, Robert Main Burton, Jr.,
James John Smith
John C. Sowden Memorial Prize in Chemistry, Stephen Lee Davis,
Veronica Dematra Zotos
The Black Scholar Honor List: Ray Vernon Blanchard, Peggy Gregory Booker,
Florestean Flucas, Isola Dillard Green, Beatrice Redley,
Howard Lindsay Robinson, Elwood Fred Ward
Shirley McDonal Wallace Prize in History, Nancy Ruth Blum

THE SCHOOL OF ENGINEERING AND APPLIED SCIENCE
Rhodes Scholarship, Gerald Louis Sauer
Fulbright Fellowship, Thomas Charles Trauger
Antoinette Frances Dames Award for Productive Scholarship, John Allen Boerner
Joe B. Butler Memorial Award of the Missouri Society of Professional Engineers.
Stephen Mark Schuetze
Missouri Society of Professional Engineers Wives Scholarship, Stephen Mark Schuetze
School of Engineering and Applied Science Design Contest:
Lowerclassmen, First Place, Joseph Ray Davidson, Joseph Aloysius Dunn, Joseph Lee Hutchins, Jr.,
William Scott Neal, Daniel James Sucher, Celia Elizabeth Yeuck
Upperclassmen, First Place, Cynthia Joan Wagner, Howard Jacob Weiss
Second Place, Steven Thomas Donatiello, Edward Jerome Donegan, Jr.,
Richard Craig Ficoff
Applied Mathematics and Computer Science Departmental Award, Howard Jacob Weiss
Association for Computing Machinery Award, Anita Siener Saunders
Ado H. Wilmink American Chemical Society Award, Barry Alan Siegfried
St. Louis Section, American Institute of Chemical Engineers Award,
James Donald Bittner
American Institute of Chemical Engineers Regional Student Paper Contest
First Prize, Gerald Fred Niedringhaus, Lucille Marie Shanes
American Institute of Chemical Engineers Award, Robert Stephen Davidson
American Society of Civil Engineers Award, William Lynn Maxfield
E. O. Sweetser Award, Ernst Herman Petsold III
Emerson Electric Award, Gerald Louis Sauer
Century Electric Award, Stephen Mark Schuetze
St. Louis Electrical Board of Trade Award, Thomas Paul Collins
Institute of Electrical and Electronics Engineering Outstanding Student Award,
John Albert Burger, Sanford Leroy Hamilton
Institute of Electrical and Electronics Engineering Student Paper Award,
John Albert Burger
American Society of Heating, Refrigeration and Air-Conditioning Engineers Award,
David Dean Baldwin
Olin Summer Project Grant, David Barry Schaechter

Final Honors
Michael Gordon Biggers
Gary Harold Brandenburger
John Wells Dougherty
Chauncey Edgar Finch
Randall Dewey Knight
Vinodh Narayanan
Ernst Herman Petsold III
Gerald Louis Sauer
Bernard Larry Shore
Barry Alan Siegfried
THE SCHOOL OF ARCHITECTURE
Association of Women in Architecture and Allied Arts, Olympia John Pilafidis
Alpha Rho Chi Medal, Hill Carrington Burgess
American Institute of Architects Medal and Certificate, Lawrence Brooks Bernhardt
American Institute of Architects Certificate, Douglas Paul Tachi
Frederick Widmann Prize in Architecture, William Hess Gantz

THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION
AND THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION
Alexander Grant Award, Steven Michael Hronec
American Society of Women Accountants Award, Karen Sue Johnson
Boatmen's National Bank Scholarship, Charles Earl Burnett, Richard Ernest McDonnell
Financial Executives Award, Glen Scott Gross
Max A. Hayutin Honorary Award, Bruce Terence O'Neill
William S. Krebs Accounting Award, Jacob Donald Conrad, Jr., John Richard Elder,
Ronne J Johnson, Cheryl Stupp Kohl, Cynthia Cummins Masters,
Frank Paul Preisle IV
Iota Phi Lambda Business and Professional Women's Sorority Award,
Karen Sue Johnson, Susan Carole Silver
Iafore Loeb Prize, Leonard Ray Hayes
Mercantile Trust Company Scholarship, George Childress deZevallos,
Ross Melvin Morgan, Timothy Michael Riordan, August Carl Schwark, Jr.
The Black Scholar Honor List, Jonathan Leslie Weaver
Wall Street Journal Student Achievement Award, Robert Blanchard Hicks
Weinheimer Scholarship, Merilyn Lee Barnett, Thomas Earl Droegemueller
World Color Press, Incorporated, Scholarship, Alan Frederick Hauff

Final Honors
Robert Lee King, Jr.
Gary Donald Pijut

THE SCHOOL OF CONTINUING EDUCATION
Final Honors
Wilburn John Boesch, Jr.
Constance Diane Brodhead
Marjorie Marie Capstick
Carl T Combs
Victor Elliot Dawson
Mildred Marie Eigenbrodt
Margery Anne Abbott Ellis
John Joseph Fabris

Marvin Gerchen
Mildred Gerber Gilmore
Terrence Paul Hahn
Hubert King Hardin
Edsel Arthur Hatfield
Vincent Edward Heiker
William Jewell Hutchings, Jr.

Mary Jane Jackson
Frances Anne McIntosh
Melba Irene Parente
Bernard Francis Pohl
Thomas Frank Tierheimer
Richard Louis Waddington
Janice Wood Wetzel
Leonard Frederick Winters

THE SCHOOL OF FINE ARTS
Ruth Barry Memorial Award in Silversmithing, Marjorie Rise Lizzack
The Caroline Risque Janis Prize in Sculpture
First Prize, Renee Colette Pey
Second Prize, Suzanne Simon
Lillie Elise Willemsen Prize, Dennis Burton Gillaspy

Final Honors
Shelley Virginia Dieterichs
Roger Daniel Egan

Nancy Newman Rice
Barry Robert Schwartz

Daniel Joseph Strauss
Kenneth Charles Wehrman, Jr.

THE SCHOOL OF LAW
Alumni Association Prize, Thomas Goodman Lewin
Samuel M. Breckinridge Third Year Scholarship Prizes:
First Prize, Thomas Goodman Lewin
Second Prize, Edwin Samuel Fryer
Wendell Carrahan Prize, Francis Michael Gaffney
Dan Carter—Earl Tedrow Award, David Alexander Collins
Mary Collier Hitchcock Prize, Philip Dean Shelton
Order of the Cofit:
Richard Alan Epstein, Edwin Samuel Fryer, Robert Harvey Garfield,
Thomas Goodman Lewin, Ralph Drury Martin, James Atkinson Plaisted,
Ronald Oscar Schowalter
THE SCHOOL OF DENTISTRY

Dental Alumni Prize, Leslie Kwai Leong Wong
Anna Bredall Amalgam Award:
  First Prize, Michael Fielding Stapleton
Second Prize, Ellsworth Yin Kong Hew
American Society of Dentistry for Children, Gary Weinstein
American Academy of Dental Radiology, James Craig Finot
American Academy of Gold Foil Operators, Richard David Bebermeyer
J. D. White Crown and Bridge Award, Gary Weinstein
American Academy of Oral Medicine, Wayne Richard Chisholm
American Academy of Periodontology, Robert Richard Schlueter
American Academy of Endodontists, Robert Richard Schlueter
International College of Dentists, Gary Weinstein
American Academy of General Dentistry, Wayne Richard Chisholm
Edward Hart Award, Jeffrey Wayne Mix

Mosby Book Awards
Oral Surgery, Richard Dewayne Gaither
Prosthodontics, Jeffrey Wayne Mix, Leslie Kwai Leong Wong
Pedodontics, Michael Fielding Stapleton
Orthodontics, Jeffrey Wayne Mix

Xi Psi Phi, Leslie Kwai Leong Wong
Delta Sigma Delta, Leslie Kwai Leong Wong
Alpha Omega, Gary Weinstein
Omicron Kappa Upsilon,

THE SCHOOL OF MEDICINE

Medical Fund Society Prize in Medicine, Julio Cesar Pita, Jr.
Medical Fund Society Prize in Surgery, George James Brahos
Dr. Samson F. Wennerman Prize in Surgery, Charles Franklin Shield III
Sidney I. Schwab Prize in Neurology, Bruce Robert Ransom
Sidney I. Schwab Prize in Psychiatry, Louis Hafken
Sandoz Award in Psychiatry, Chauncey Carter Maher III
St. Louis Pediatric Society Prize, Jane Elmblade Brazy and Mary Patricia Rose Glode
Upjohn Achievement Award, Albert Lee Van Amburg III
Mosby Scholarship Book Awards, Robert Louis Faul, Robert Frank Scheible,
Jay Albert Kaiser, Maria Dolores Santa Maria and Peter Coffin Brazy
The Lange Medical Publications Book Awards, Michael Bernard Sheehan and
Timothy Louis Robert Holekamp
Alexander Berg Prize, Wayne Eugene Musser, Jr.
The Hugh M. Wilson Award in Radiology, John Anthony Parker
The Samuel D. Soule Award in Obstetrics and Gynecology, Gale Gordon Kerns
Missouri State Medical Association Award, Charlotte DeCroes Jacobs
The Joseph J. Gitt and Charlotte E. Gitt Prize, Julio Cesar Pita, Jr.
Jacques J. Bronfenbrenner Award, Wayne Eugene Musser, Jr.
The Dr. Robert Randall Medical School Award, Marc Randall Hammerman
The Janet M. Glasgow Scholastic Citation Award of the American Medical Women's
Association, Incorporated, Mary Patricia Rose Glode, Mary Susan Basolo Kennedy,
Jane Elmblade Brazy and Charlotte DeCroes Jacobs

Alpha Omega Alpha Book Prize, Leonard Michael Glode
Alpha Omega Alpha Initiates, George James Brahos, Jane Elmblade Brazy,
Peter Coffin Brazy, Robert Louis Faul, Leonard Michael Glode,
Mary Patricia Rose Glode, Marc Randall Hammerman,
Timothy Louis Robert Holekamp, Charlotte DeCroes Jacobs, Jay Albert Kaiser,
Mary Susan Basolo Kennedy, Douglas Kent Miller, Wayne Eugene Musser, Jr.,
Julio Cesar Pita, Jr., Robert Frank Scheible and Michael Bernard Sheehan
HONORARY DEGREES

DOCTOR OF FINE ARTS

NANCY HANKS is Chairman of the National Endowment for the Arts and of the National Council on the Arts. Before becoming "the government's national broker for the arts" in September, 1969, Miss Hanks was associated for thirteen years with the Rockefeller Brothers Fund in New York City as executive secretary of its Special Studies Project. As a member of that organization, she directed a pioneering study project on the economic and social problems of the performing arts in the United States that laid much of the groundwork for the federal program she now heads.

DOCTOR OF HUMANITIES

BARBARA WARD (Lady Jackson) has been Albert Schweitzer Professor of International Economic Development at Columbia University since 1968. For ten years she was Visiting Scholar at Harvard University. An internationally known writer on economics and politics, Professor Ward was assistant editor of The Economist from 1940-50. She is a director of the Adlai Stevenson Institute of International Affairs. Professor Ward is the author of numerous books, including The West at Bay, Spaceship Earth and Only One Earth (with Rene Dubos). She is married to Sir Robert Jackson, Senior Consultant to the United Nations Development Program.

JESSE LOUIS JACKSON studied for the ministry at Chicago Theological Seminary and has become a well-known clergyman and leader in the civil rights movement. Founder, national director and president of Operation P.U.S.H. (People United to Save Humanity), he also established Operation Breadbasket in Chicago to increase employment of Blacks. The recipient of many honors and awards, he was named as one of the "One Hundred Most Influential Black Americans," by Ebony magazine in 1971.

GEORGE FREDERICK McMILLENN, a retired Ralston Purina executive, is well-known for his philanthropy. His generous contributions to Washington University have made possible the establishment of the George F. McMillen Student Loan Fund, and the construction of the George F. McMillen Laboratory of Chemistry. Mr. McMillen, who has served as a volunteer leader of the Salvation Army, donated recreational facilities to that organization's camp at Bourbon, Missouri. These benefactions underscore his intense concern for the education and welfare of young people.

DOCTOR OF LETTERS

BERNHARD BLUME is professor of German literature emeritus at the University of California, San Diego. An author and playwright in his native Germany for twelve years before coming to the United States in 1936, he was Kuno Francke Professor of German Art and Culture at Harvard University from 1956-66. His two newest books, both in the process of publication, include a critical edition of 300 unpublished letters of Rainer Maria Rilke to the Baroness Sidonie Nadherny von Borutin, and German Literature: Texts and Contexts. He is writing another work entitled A History of Symbolic Forms in German Poetry.

DOCTOR OF SCIENCE

GEORGE EVELYN HUTCHINSON is Sterling Professor of Zoology Emeritus at Yale University. His scholarship encompasses such diverse subjects as limnology, biogeochemistry, oceanography, aquatic Hemiptera, the theoretical aspects of ecology, and the psychoanalytic aspects of evolution. He also has written knowledgeably about art and literature. Professor Hutchinson was a charter member of the Limnological Society of America and served as its president in 1947-48. He is a member of the National Academy of Sciences.

WENDELL GARRISON SCOTT, M.D., is Professor of Clinical Radiology at the Washington University School of Medicine. He has pioneered in the development of x-ray films for specialized purposes. A past president of the American Roentgen Ray Society and the American Cancer Society, Dr. Scott served for seven years as the editor of the journal, Cancer. He is a member of the United States Senate Advisory Panel on Cancer whose recommendations were largely responsible for the National Cancer Act of 1971 which authorized a high-priority, cooperative program for the conquest of cancer.

ANTONI ZYGMUND is Gustavus F. and Ann M. Swift Distinguished Service Professor at the University of Chicago. A mathematician of international renown, he came to this country from his native Poland in 1940. Professor Zygmund is a member of the National Academy of Sciences as well as the Polish and Argentine academies. He is the author of Trigonometric Series and with Stanislaw Saks of Analytic Functions. The latter book was awarded the prize of the Polish Academy in 1989.
Emeritus List
1972

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 1971-72.

ROLAND WALTER BOCKHORST
Professor of Architecture
At Washington University since 1931

GWENDOLYN ALICE DREW
Professor of Physical Education
At Washington University since 1946

PHILIP HUNTER DUBoIS
Professor of Psychology
At Washington University since 1946

CHARLES HOWE ELLER
Professor of Public Health
At Washington University since 1959

SOL LONDE
Assistant Professor of Clinical Pediatrics
At Washington University since 1932

CARL ALBERT McCANDLESS
Professor of Political Science
At Washington University since 1955

FRANK STANLEY VERNON NOBLE
Professor of Physical Education
At Washington University since 1947

SAMUEL DAVID SOULE
Professor of Clinical Obstetrics and Gynecology
At Washington University since 1931

FRANCES HELEN STEWART
Instructor in Clinical Obstetrics and Gynecology
At Washington University since 1933
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.