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THE
ONE HUNDRED AND NINTH COMMENCEMENT

WASHINGTON UNIVERSITY

SIX O' CLOCK, MONDAY EVENING
JUNE THE FIRST, NINETEEN HUNDRED SEVENTY
SAINT LOUIS, MISSOURI
The Alma Mater

1
Dear Alma Mater,
Thy name is sweet to me.
Our hearts are all for thee,
Fair Washington.
Thy halls shall honored be
Throughout this great country
For all eternity,
Our Washington.

2
Those days of youth which
All of us spent with thee
Form a dear history,
Fair Washington.
Could they renewed be,
We'd live our days with thee
For all eternity,
Our Washington.

A Note on Academic Dress

The academic dress worn by Faculty and candidates indicates the degree held, the subject in which it is held, and the institution granting it. Gowns are of three kinds: the Bachelor's, with full, pointed sleeves, hanging open; the Master's, with 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 MARSHALL ........................................ Wallace Born Diboll, Jr.

STUDENT DIVISIONS

I  MARSHAL ........................................... Richard Moores Arnold
    Doctor of Philosophy, Doctor of Science, Doctor of Social Work,
    Doctor of Business Administration

II MARSHAL ............................................ Thomas Keith McMahan
    Doctor of Medicine

III MARSHAL ........................................... Robert Gray Palmer
    Master of Laws, Doctor of Law, Master of Comparative Law

IV MARSHAL ........................................... Raymond Anthony Cerskus
    Master of Science in Orthodontics, Doctor of Dental Surgery

V MARSHAL ........................................... Ronald Fred Levy
    ASSISTANT MARSHALS .............................. Eulene Friesen Hieb
                                                Edna Josephine Whitfield
    Master of Arts, Master of Arts in Teaching, Master of Law,
    Master of Science in Speech and Hearing, Master of
    Music and Advanced Graduate Certificate in Education

VI MARSHAL ........................................... David Allen Peters
    Master of Science (Engineering), Master of Engineering
    Administration

VII MARSHAL .......................................... William Kenneth Carson
    Master of Business Administration

VIII MARSHAL ......................................... Laurel Ann Rubin
    Master of Social Work

IX MARSHAL ........................................... Robert Stanley Williams
    Master of Health Administration

X MARSHAL ............................................ Laurence Edward Dieckmann
    Master of Architecture, Master of Architecture and Urban
    Design

XI MARSHAL ........................................... Frederick Mark Kuhlmann
    ASSISTANT MARSHALS .............................. Karen Marcia Cohen
                                                Mark Raney Van Ausdal
    Bachelor of Arts

XII MARSHAL .......................................... Janet Menzel Lenz
    Bachelor of Science (Engineering)
XIII MARSHAL ...................................................... Nancy Jane Dobak
Bachelor of Science in Business Administration

XIV MARSHAL ...................................................... Michael Bruce White
ASSISTANT MARSHALS ........................................ Carole Mae Yap
Robert Richard Reid
Bachelor of Science, Bachelor of Science in Speech and Hearing
and Bachelor of Technology

XV MARSHAL ...................................................... Ronald Creth Adair
Bachelor of Fine Arts

XVI MARSHAL ...................................................... Patricia Emory Phelps
Bachelor of Science in Occupational Therapy, Bachelor of
Science in Physical Therapy

FACULTY DIVISION

XVII Chancellor, Board of Trustees, Honored Guests and Faculty
Order of Exercises

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

The National Anthem
LINDA LOU GILLIAM

Invocation
JOSEPH RICHARD ROSENBLOOM
Rabbi, Temple Emanuel

Remarks
CHARLES ALLEN THOMAS
Chairman of the Board of Trustees
WILLIAM BUSTER POLLARD III
Senior Class Speaker
THOMAS HOPKINSON ELIOT
Chancellor of the University

Conferring of Degrees
THOMAS HOPKINSON ELIOT

The Alma Mater
LINDA LOU GILLIAM

Benediction
JAMES WALTER EWING
Former Campus Minister, United Campus Christian Fellowship

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

The Following Candidates Will Be Presented By
Burtin Maynard Wheeler, Ph.D., Dean

BACHELOR OF ARTS

Candidates—June 1, 1970

Dennis Charles Affolter
Elliot Steven Agisim
Carol Marie Ahearn
David Charles Algerworth
Stephen Kent Ann
Alan Jay Aron
Frieda Rebecca Atlas
Ellen Judith Backer
Eunice Weinhaus Baillis
Isabel Jane Baker
Paul Robert Benner
William Samuel Ballen
Nancy Blanche Barta
Babette Ann Batkin
Jay Scott Bauer
JoAnn Elizabeth Becker
Sue Joy Becker
Charles R B Beeckmann
David Charles Beeckmann
Patricia Dian Benages
Howard Gary Berk
Joel William Bernstein
Carol Willis Berry
John Edward Bobo
Brad Jay Bickford
Lewis Edward Blackwell
John Andrew Blackkiewicz
Charles Richard Blatt
Hugh Lawrence Bluestone
Susan Beth Blume
Leann Roy Bogdanow
Howard Bokesenbaum
Brooks Lincoln Bond
Sue Anne Bopp
Daniel William Box
Deena Beth Bronston
Freida Augustine Brown
Susan Ann Browning
Susan Carol Buchstane
Hill Carrington Burgess
Susan Beth Burman
William Paul Buztreu
Calvin Cahan
Margery Dee Cahn
Alexandra Louise Calandra
Philip Neil Cardman
Rosemarie Carnighan
Franz William Catanese
James Rickards Cavness
Deborah Mae Chait
Christine Theresa Choy
Daniel Conness Clawson
Eileen Frances Clermont
Ruth Howard Cloudman
Shelley Martha Cohn
David Philbrick Conner
David Michael Cook
Jean Louise Cooper
Jack Arthur Corser
Marcia Ann Cosart
Lucy Deborah Craig
Molly Sheila Cronin
Deming Stedman Cross, Jr.
Jean Cukier
John Stephen Daniels
Marianne Daniels
Lynda Kay Darnutzer
Jocelyn Allen Davis
Barry Michael Davis
James John Davis III
Jean Ann Davis
Richard Michael Davis
Sherry Lynn Davis
Barbara Joan Dement
Shirley Ann DeNoyer
Deborah de Schweinitz
Philip Edward Dessauer, Jr.
Michael David Devous, Sr.
Verna Josephine Dickson
Brian Robert Donaldson
Craig James Doner
Sally Trieml Doner
Barbara Jeanne Downing
Leigh Tucker Dossee
Kelly Beth Finch
Charles Francis Dufour, Jr.
James Robert Du Molin
Joan Adrienne Dusul
Susan T Edlavitch
Charles Edgar Edmonston
Katheryn Raina Edwards
Ronald Neal Ehrman
Howard Leslie Eisberg
Seth Gregg Eisenberg
Stanley Bert Eisenhammer
Marc Eisentadt
Linda Elizabeth Elmer
Thomas Mikel Emig
Caryn Dolphy Engebret
Richard Dale English
Leslie Bonn Erck
Jerry Morton Everensky
Darris Gray Everly
Clifford Barry Faddis, Jr.
James Edward Fagg
Frederick Argo Faust, Jr.
Gary Harold Feder
Judith Lynn Felgan
Caryn Beth Feinberg
John Edward Fels
David Steven Finbloom
Sally Linda Findley
Marilyn Joyce Fischer
Cathy Fran Fishbain
Marta Fisher
Michael Joe Fitzgerald
Jane Rae Folks
Jamie Martin Fors<br>
Rickey Phyllis Wolosky  
Siu-Man Wong  
Joseph Michael Wood  
Elmira Mountain Wright  
Peter Walter Wurzburger  
John Huston Wyatt  
Joseph Michael Becker  
Carol Ann Brouse  
Charles Michael Buechler  
Patrick Francis Byrne  
Robert John Coffey  
Janet Louise Crow  
Michael Kenney Cruvant  
Maureen Jan Dightman  
Robert Neal Fabricant  
Frank Bruce Ford  
Richard Steven Graul  
Daphne Anne Hedges  
Max Henry Burgdorf, Jr.  
Helena Ruth Cherrick  
Gregory Alan Flynn  
Richard Craig Friedman  
Mim Phyllis Harris  
Ann Catherine Haug  
Kathleen Sue Aubrey  
Theodore Michaelson Becker  
Karen Marcia Cohen  
Gary John Ehrhardt  
James Martin Farrar  
Timothy Lee Abernathy  
John Vernon Ahlen  
Mark Reuel Antell  
Ann Lively Bacon  
Lucy Jane Bambrey  
Artur Gregory Baum  
Miriam Claire Bernstein  
Lawrence Bailey Bogdanow  
William Michael Boland  
Frank Rutherford Coleman  
Christine Burkhards Fenner  
Marie Quinn Flanigan  
Barbara Ann Fout  
Paul Lyman Fout  
Peggy Robiner Goldfader  
Nancy Ellen Hall  
Larry Lee Henson  
Janice Marie Anderson  
Sandra Stoehr Ankeny  
Cyndia Mountain Arp  
Betty Lents Barron  
Jeanne Wise Blakley  
Robert Deal Brigg  
John Guenther Coleman  
Dwight Alan Corrin  
Stephanie Brooks Dalnas  
Richard Houston Davis  
William McKinley DeWitt  
Irl Joseph Don  
Cara Ferris  
Susan Donnell Flanigan  
Armand Carroll Forster  
Laurie Rose Fuchs  
Linda Sue Glick  
Mark Brian Gutman  
Marc Randall Hammerman  
George William Wynne  
Carol Jane Yawitz  
Paulette Marie York  
William Thomas Young  
Anita Elizabeth Younger  
Joseph Charles Imberman  
Karen Marie King  
Suzanne LaDoux Lee  
Janet Susan Levy  
William David Lytle  
Phyllis Mack  
Stanley Mogelson  
Ronald Lee Frenzke  
Michael Fredrick Press  
David Arthur Pritzke  
Ronald Jay Roapor  
Joseph Walter Hoffmann  
Carol Lee Joseph  
Daniel Saul Lane  
Mary Johanna McElroy  
Patrick Karl Miehe  
Steven Ira Saltzman  
Michael David Fleming  
Norbert Lee Kerr  
Frederick Mark Kuhlmann  
John Frederick Layton  
Moon Hien Nahm  
Robyn Sue Hershenhorn  
John David Jones  
Allen Jerome Kanter  
Lawrence Allan Kaye  
Jean Carol Kenyon  
Greg Stephen Kessler  
Nina Gamble King  
Nancy Margaret Kirschner  
Stephen Lenz Kohler  
David Valentine Kromm  
Susan Betty Lichter  
Donald Kent Lenebrink  
Andrea Beth Madden  
Linda Susan Manne  
Jerome Theodore Misselhorn  
Margaret Connor Moore  
Rosemary Jean Neavies  
Paul Ross Lennard  
Joseph Gerard Deken  
Temima Deborah Sara Skoff  
Cheryl Jean Hampton  
Virginia Holmes  
Kristine Bernice Kaiser  
Julie Mae Klement  
Robin Lynne Koplow  
Sally Frances Kopolow  
Barbara Ann Lavender  
John Joseph Maloney  
Anne Dorothea Maxwell  
Cathy Ann Miller  
Victoria Marie Murphy  
Arthur Leonard Nacht  
Jay Alan Neirick  
Elizabeth Holly Outwin  
Sheryl Kay Parks  
Dale Francis Poertner  
Garry Owen Richardson  
Mary Ellen Rimsza  
Marsha Kaden Alex  
Martin Jay Zechem  
George Alfred Zimmer  
Susan Zimmerman  
Thomas Marc Zipp  
Judith Lee Zippert  
Samuel Isaac Ziskind  
David Carl Robbins  
Sarah Lynn Rosenfield  
Ann Sack  
Stephen William Scheff  
Chriaty Beckmann Shreffler  
Richard Lawrence Siegel  
James Ralph Siemon  
James Yang Song  
Charles Jacob Stolar  
Carol Diane Teig  
Alan James Tiefembrunn  
Howard William Webb III  
Jerrold Steven Schlesel  
Elaine Baysa Spector  
Robert Nathan Stern  
Randolph Kendrick Tibbits  
Charles Walter Todd  
Michael Neil Weinberg  
Anthony Louis Plachy  
Lynda Jane Schaefer  
John Wayne Turk  
Rebecca Reese Wurzburger  
Henry William Wurzer  
Wendy Gloyeck Pike  
Christy Anne Reeder  
Ronald Maurice Rosenber  
Wendy Lynn Rosembloom  
Laura Ann Schiff  
Francis Joseph Schindler, Jr.  
Elisabeth Barbara Sehnert  
Robert Leonard Sheili  
Susan Carole Silver  
Sandra Lee Skrij  
Susan Mara Steinberg  
Joanne Dee Stern  
Richard David Speerison  
Scott Stephen Vogel  
Rudolf Peter Vrugtman  
Robert Lloyd Walker  
Richard Hugh Woods  
Andrew Goodfriend Rothschild  
Carolyn Oisen Ryan  
Penelope Rones Shampaine  
Johnette Rae Siegel  
Robert William Sindel  
Barbara Mary Smith  
Monteze Mundy Snyder  
Ronald Dale Sorkin  
Rosalind Evelyn Stillerman  
Patricia Rice Strong  
Hiroko Takebe  
Denis Lee Taylor  
Robert Alan Vest  
Lewis Colnon Volmar, Jr.  
Lee Charles Walters  
Barton Clarence Weber  
Gary Weinstein  
Patricia Ann Weitzel  
Ronald Renaldo Wilson
THE SCHOOL OF ENGINEERING AND APPLIED SCIENCE

The Following Candidates Will Be Presented By
JAMES MORGAN MCKELVEY, PH.D., Dean

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS
 AND COMPUTER SCIENCE

Candidates—June 1, 1970

William Albert Carbaugh
Robert Del Chambers
Emily Ann Cowne
Gracie Sanders Forrest

Gordon James Gauch
Donald Lyle Gordon
Marjorie Mansfield McClelland

Nancy Hutchins Morgan
Jerry Smith
Paul Horace Wertley III
Andrea Rita Zala

BACHELOR OF SCIENCE IN APPLIED MECHANICS

Candidate—June 1, 1970

Paul Walter Schmidt

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Candidates—June 1, 1970

Earcie Wendell Allen
Jeffrey Stuart Balter
Sol Guber

Stephen John Henderson
David Wright Johnson

Merlin Richardson
David Lee Schum
Linda Yvonne Waring

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Candidates—June 1, 1970

Leo Anthony Ebel, Jr.
Morris Edward Fleishman
Michael Wolfgang Franke

Mark Aloysius Kimler
Janet Menzel Lenz
Jack Steven Schnettler

Richard Morse Smith
James Joseph Walsh
Robert Patrick Watson

Frederick Edward Burton
John William Kostyshock

Melvin Scydel McGallagher
Michael Stephen Sternberg

Leverett Alan Weakly

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Candidates—June 1, 1970

Charles Francis Albertalli
Robert John Bartolowits
Jerry Allen Bentrup
Susan Korf Blume
John William Brosius III
Richard Leslie Brown
Harold Dean Davis
Irwin Stewart Dreyfus
John Alan Filcock
Gary James Fine
Steven Bohn Fuller

William Ross Galyon
Robert Merlin Garret
George Mario Gruber
Allen Kellogg Haines
Richard Keith Harvey
Alan Bruce Holley
David Alan Hum
Robert Kinberg
Stephen Gary Kunin
David Harold Lee

William Charles Pennycooke
Gene Cleo Peterson
Charles Edgar Simmons
Frederick Emory Simms
Ned Howard Simon
Clarence Elmer Swafford
Ron Lee Thompson
Ike Duane Waits
James Burton West
Mary Anne Wiedl
James Louis Wolf, Jr.

Awarded—January 21, 1970

Ronald Jan Leong

Awarded—August 29, 1969

Thomas Larry Ebner

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

Candidate—June 1, 1970

Tony Lee Cooley

10
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Candidates—June 1, 1970

James Victor Doramus
Hanford Gross
Krishna Kandarpa

Kenneth Ralph Karr
Michael Paul Meyer
Robert Lewis Powers
John Anthony Skibba

Awarded—January 21, 1970
Myron Bohdan Bartko

Awarded—August 29, 1969
Myron Bohdan Bartko

William Joseph Ashbaker

BACHELOR OF SCIENCE IN PHYSICS

Candidates—June 1, 1970

John William Brosius III
Eugene Murray Corn
Dennis Raymond Dietz

Moritz Farbstein
John Alan Fileoff
Vernon Lawrence Haug, Jr.

Awarded—August 29, 1969
Conilee Gay Kirkpatrick

Otto August Stamm
Melvin Joseph Suda
Gerald Julius Williams

John Fred Miefert, Jr.

Gregory Walter Horndeski
Thomas Frederick Schuessler
Ron Lee Thompson
THE HENRY EDWIN SEVER INSTITUTE OF TECHNOLOGY

The Following Candidates Will Be Presented By
JAMES MORGAN McKEELVEY, PH.D., Director

MASTER OF SCIENCE

Candidates—June 1, 1970

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE
Leonard Martin Alper, A.B., Washington University
Roy Eugene Barnette, B.S., Mississippi State University
David Alan Bird, A.B., University of Missouri
David Arthur Bridger, A.B., Washington University
Richard Steven Brown, B.A.Math. (with Honors), Washington State University
We-Min Chow, B.S.B.A., Taiwan Cheng Kung University
Frank West Coaker, B.S.Appl.Math., Brown University
Seymour Benjamin Elk, B.S., Yale University; M.S., Purdue University
Chin-Chi Kao
Otha Lee Overholt, B.A. magna cum laude, Southeast Missouri State College
David Lawrence Paul, B.S., Western Illinois University
Gary Raymond Reeves, A.B., Washington University
Charles Walton Seymour, B.A., Franklin and Marshall College
Veronica Lin Yeh, B.S.B.A, Taiwan Cheng Kung University

IN APPLIED MECHANICS
David Allen Peters, B.S.Appl.Mech., Washington University

IN CHEMICAL ENGINEERING
Dale George Anna, B.S.Ch.E., Washington University
Lawrence Casper Heidemann, B.S.Ch.E., Washington University

IN CIVIL ENGINEERING
Samuel Fletcher Johnson, Jr., B.S. (with honor), University of Colorado
Razmig Yeghia Konyalian, Diplome D'Ingenieur Civil, L'Ecole Polytechnique De L'Universite De Lausanne
Daniel Lawrence Lemberg, B.S.Arch.Sci., Washington University; M.Arch., ibid.
Richard Darrel Lowrey, B.S.C.E., Washington University
Wan Su Yang, B.Engr., The Chosun University

IN CONTROL SYSTEMS
Ibrahim Abd El-Salam Awad, B.Sc. with distinction, Alexandria University; M.Sc., ibid.
Robert Bernard Broen, B.S.E.E., University of Cincinnati; B.S.E.E., Saint Louis University
Maurice Eugene Brubaker, B.S.E.E., University of Missouri School of Mines and Metallurgy; M.B.A., Washington University
Vincent Edward Horenkamp, B.S.Sys. & Auto.Con., Washington University
Robert Allan Lundgren, B.S.M.E., Carnegie Institute of Technology
Brajnandan Bihari Sahay, B.Sc., Patna University
Jack Richard Sandridge, A.B., Central Missouri State College; B.S.E.E., University of Missouri
Charles Wiener, B.S.E.E., Washington University

IN ELECTRICAL ENGINEERING
John Gano Bryan, B.S.E.E., Washington University
Yih-Young Chen, B.S.E., Taiwan Cheng Kung University; M.S., National Chiao Tung University
Lawrence Alan Hall, B.S.E.E., Washington University
Cheol Kyoo Kim, B.S.Engr., Seoul National University
Tsou-Wei Frank Lee, B.S.Engr., National Taiwan University
Man-Kin Ma, B.S.E.E., University of Arizona
Leonard Robert Misler, B.S.E.E., Washington University
Constantine Nicholas Stavropoulos, B.S.E.E., International Technological Institute
Yo-Yu Sun, B.Sc., Taiwan Cheng Kung University; M.S., National Chiao Tung University
Chandul Relumal Vanjani, B.Sc., University of Indore
David Carl Witbrod, B.S.E.E., Washington University
Paul Charles Witbrodt, B.S.E.E., Washington University
You-Sun Wu, B.S.Engr., National Taiwan University

IN ENVIRONMENTAL AND SANITARY ENGINEERING
George Michael Duggan, B.C.E., Rensselaer Polytechnic Institute

12
IN MATERIALS SCIENCE
James Emmett Schwabe, B.S.Met.E., Washington University

IN MECHANICAL ENGINEERING
Ashok Kumar Bhatia, B.Eng., University of Indore
Yu-Hein Chien, B.S.Eng., National Taiwan University
John Edwin Dunstan, B.S.M.E., Washington University

Awarded—January 21, 1970

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE
Gerald Richard Barthel, B.S.M.E., University of Cincinnati
John Lansing Elliott Callaghan, B.S., College of St. Thomas
Malcolm Chung-Tzer Chou, B.S., National Taiwan University
Anthony George Kassos, Jr., B.A., Hendrix College; M.S., University of Arkansas
Robert Kenneth Linback, B.S. with distinction, Purdue University
Feng-Kung Liu, B.S., Taiwan Provincial Chung-Hsing University
Edward Albert Loikits, B.S., Fairleigh Dickinson University
Shirley Smith Pummill, B.S., University of Illinois; M.S., ibid.
David Andrew Ray, B.S., Saint Louis University
Sekharipuram Subramanian Swaminathan, B.A., University of Madras; M.A., ibid.
Jack Truman Wallace, B.S., Little Rock University

IN CHEMICAL ENGINEERING
Thomas William Hoeber, B.S.Ch.E., Washington University
Hin-Mo Li, B.S., National Taiwan University
David Robert Livingston, B.S.E. magna cum laude, Arizona State University
Steven Rudolf Lowy, B.S.Ch.E., Washington University
Theodore Heinz Nelson, B.S.Ch.E., Newark College of Engineering
David Assael Palmer, B.S., Brigham Young University
William Edward Ponez, B.S.Ch.E., Carnegie Institute of Technology
David Ross Tredrea, B.S.Ch.E., The University of Wisconsin

IN CIVIL ENGINEERING
Kamleshwar Prasad Gupta, B.S.E., University of Jodhpur
Roy Spillenkotthen II, B.S.Arch.Sci., Washington University

IN ELECTRICAL ENGINEERING
Sheldon John Bayer, B.S.E.E., Massachusetts Institute of Technology
Philip Stanley Berger, B.S.E.E., Washington University
Uttamchand H Bhandari, B.Eng., Bangalore University
Donald André Calas, Bachelier de l’Enseignement du Second Degré, Université De Montpellier
Yuan Kuan Chen, B.S.E., National Taiwan University; M.S., ibid.
Ernest Alan Demba, B.S.E.E., Washington University
John Robert Noonan, B.S.E.E., Washington University
John Alan Veazey, B.S.E.E., Purdue University

IN ENVIRONMENTAL AND SANITARY ENGINEERING
Leonard Long, B.A., Southern Illinois University
Richard Lewis Reisenweber, B.A., University of Colorado
Daniel Lee Vornberg, A.B., Washington University

IN MECHANICAL ENGINEERING
John Hilliard Elliott, Jr., B.S.M.E., Southern Methodist University

MASTER OF ENGINEERING ADMINISTRATION

Candidates—June 1, 1970
James Griswold Maunville, B.S.E.E., University of Arkansas
John Henry Rother, B.S.Ch.E., University of Missouri School of Mines and Metallurgy; M.S.Ch.E., ibid.

Awarded—January 21, 1970
Boleslaw Krawiec, B.S., Washington University
DOCTOR OF SCIENCE

Candidates—June 1, 1970

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE
Stuart Beryl Boxerman, B.S.E.E., Washington University; M.S., ibid.
Title of Thesis: Statistical Analysis of Radiotracer Scan Data
Mary Weis Cooper, A.B., Washington University; M.S., ibid.
Title of Thesis: A Branch and Bound Method for the Fixed Charge Transportation Problem
James Joseph Weinkam, Jr., B.S., Xavier University; M.S., University of Chicago
Title of Thesis: An Environment for Responsive Program Systems

IN CHEMICAL ENGINEERING
Francis Sheng-Hsiung Cheng, B.Sc., Taiwan Provincial Cheng Kung University; Ph.D., Baylor University
Title of Thesis: The Effect of Thermal Treatment on the Interfacial Morphology and Mechanical Properties of Graphite Fiber/Poly carbonate Composites
David Ross Tredrea, B.S.Ch.E., The University of Wisconsin; M.S., Washington University
Title of Thesis: Programmed Pressure Gas Chromatography: Theory and Optimization

IN CIVIL ENGINEERING
Lawrence Joseph Brombolich, B.S.Aero.Eng., Parks College of Aeronautical Technology; M.S., Saint Louis University
Title of Thesis: Finite Element Analysis of Shells of Revolution by Minimization of the Potential Energy Functional

IN ELECTRICAL ENGINEERING
Richard Moores Arnold, B.S.E.E., Washington University; M.S., ibid.
Title of Thesis: Wave Propagation in Inhomogeneous, Anisotropic Waveguides
Michel Dutoit, Ingénieur-Physicien Diplôme, École Polytechnique Lausanne; M.S., Washington University
Title of Thesis: Microwave Phonon Attenuation in N-Type Silicon
Title of Thesis: Domain Nucleation and Evolution in Uniaxial Ferromagnets
David Gurwitz, B.E.E., The City College of New York; M.E.E., New York University
Title of Thesis: An Investigation of Computer Driven Dynamic Display

IN ENVIRONMENTAL AND SANITARY ENGINEERING
Warren Charles Gaskill, B.S.E., Rose Polytechnic Institute; M.S., Washington University
Title of Thesis: The Role of Loading Rate Variations in the Response of Activated Sludge to Organic Shock Loadings

IN MECHANICAL ENGINEERING
Robert John Pirih, B.S.M.E., University of Maryland; M.S., Cornell University
Title of Thesis: Drag Reduction and Turbulence Structure Modification in the Turbulent Pipe Flow of Fractional Percent Colloidal Suspensions

Awarded—January 21, 1970

IN APPLIED MATHEMATICS AND COMPUTER SCIENCE
David Gerald Carta, B.S., California Institute of Technology; M.S., ibid.
Title of Thesis: Acceleration of Convergence of Iterative Methods for the Solution of Equations

IN CHEMICAL ENGINEERING
John Raymond Drone, B.S.M.E., University of Illinois; M.S., Washington University
Title of Thesis: An Investigation of Heat Transfer in Packed Beds with Internal Heat Generation
Thaddeus Claude Grimm, B.S.Ch.E., Washington University; M.S., ibid.
Title of Thesis: An Investigation of the Validity of Kirchhoff’s Law for Freely Radiating Metallic Surfaces
Jiann-Jang Houng, B.S.E., National Taiwan University; M.S., Washington University
Title of Thesis: Conformal Solution Theory for the Mixtures of Simple Liquids
Perry Han-Cheng Lin, B.S.E., National Taiwan University; M.S., Virginia Polytechnic Institute
Title of Thesis: Thermodynamics of Polymer Solutions
Arlo Ebert Moehlenpah, B.S.Ch.E., Washington University; M.S.Ch.E., ibid.
Title of Thesis: The Effect of Time and Temperature on the Mechanical Behavior of Epoxy Composites
Ken Kessler Robinson, B.S.E., The University of Michigan; M.S.E., ibid.
Title of Thesis: Thermal Reforming by Means of Propylene-Propane Co-Pyrolysis
Kenneth Lee Trachte, B.S.Ch.E., The University of Wisconsin; M.S., Washington University
Title of Thesis: The Brittle Fracture of Thermoplastic Polymers and Composites
Allen Dale Wambach, B.S.Ch.E., The University of Wisconsin; M.S., Washington University
Title of Thesis: Fracture Toughness of Filled Polymers

IN CONTROL SYSTEMS
Robert Gordon Bellaire, B.S.Aero.Engr., Saint Louis University; M.S., Washington University
Title of Thesis: Design of a Learning Machine and the Study of Some of Its Convergence Characteristics
Robert B Schainker, B.S.Engr.Sci., Washington University; M.S., ibid.
Title of Thesis: Suboptimal Control by Aggregation

IN ELECTRICAL ENGINEERING
William Patrick Connors, B.S.E.E., Washington University; M.E.E., New York University
Title of Thesis: Extension of the Theory of the Unijunction Transistor
George Robert Couranz, B.S.E.E., Washington University; M.S.E.E., Institute of Technology Air University United States Air Force
Title of Thesis: An Analysis of Binary Circuits Under Marginal Triggering Conditions
Adolph Maynard Engebretson, B.E.E., University of Minnesota; M.S., Washington University
Title of Thesis: A Study of the Linear and Nonlinear Characteristics of Microphonic Voltage in the Cochlea
John Russell Grindon, B.S.E.E., University of Missouri School of Mines and Metallurgy; M.S.E.E., Massachusetts Institute of Technology
Title of Thesis: Estimation Theory for a Class of Nonlinear Random Vector Channels
Thomas Ralph McPherron, B.S.E.E., Rose Polytechnic Institute; M.S., Saint Louis University
Title of Thesis: Radiation from an Infinite, Gap Excited Dipole Immersed in a Radially Homogeneous Layer
Venkatesiengar Ramakrishna, B.Sc., University of Mysore; M.E.E., Syracuse University
Title of Thesis: Digital Data Rate of Clipped, Time-Quantized Speech
Wei-Ching Tsai, B.S.E., National Taiwan University; M.S., Washington University
Title of Thesis: The Characteristics and Applications of Gunn Effect Devices

IN ENVIRONMENTAL AND SANITARY ENGINEERING
George Martin Barsom, B.S., University of Southern California; M.S.C.E., ibid.
Title of Thesis: Limiting Factors in Oxidation Pond Failures

IN MATERIALS SCIENCE
Ashok Kumar Dhingra, B.Sc., University of Bombay; B.E., The Maharaja Sayajirao University of Baroda; M.S., Washington University
Title of Thesis: Effect of Matrix Strengthening and Fiber Coating on the Mechanical Behavior of Boron-Magnesium Composites
THE SCHOOL OF ARCHITECTURE

The Following Candidates Will Be Presented By
GEORGE ANSELEVICIUS, DIPLOMA OF ARCHITECTURE, Dean

BACHELOR OF SCIENCE IN ARCHITECTURAL SCIENCES
Awarded—August 29, 1969
Douglas Ellsworth Duncan

MASTERS OF ARCHITECTURE
Candidates—June 1, 1970
Raad Abdul Sattar Al-Mumayiz, B.Sc., University of Bagdad
John Robert Bird, B.S.Arch.Sc., Washington University
Dennis Alan Bolazinia, A.B., Washington University
Donald Dean Chandler, B.S., University of Colorado
Laurence Edward Dieckmann, A.B., Washington University
John Hamilton Duncan, A.B., cum laude, Harvard College
Michael Edward Emrick, B.S.Arch.Sc., Washington University
Joseph Alan Feely II, B.A., Williams College
John Wesley Fotsch, Jr., B.S.Arch.Sc., Washington University
Christopher Fromboluti, A.B., Washington University
Emil Heller Henning III, A.B., Washington University
Edward Marshall Hord, A.B., Washington University
William Bernard Hoyland, B.S.Arch.Sc., Washington University
Dana Sinclair Kephart, B.S.Arch.Sc., Washington University
Robert Johnston Lutz, A.B., Washington University
Howard Fichon Maginniss, B.A., University of Notre Dame
James Stanley McKay, Jr., A.B., Washington University
Bruce Alan Meyers, A.B., Washington University
Lawrence Joseph Milles, A.B., Washington University
Angela Propstl, Vordiplom, Technische Hochschule, Aachen
Thomas Morton Rauch, Jr., A.B., Princeton University
James Jerroll Resnick, A.B., Washington University
Stephen Jay Schachter, B.S., Antioch College
Pat Lee Spector, A.B., Washington University

Awarded—January 21, 1970
Jerry Wayne Carroll, B.Arch., Washington University

Awarded—August 29, 1969
Barry Richard Habib, B.S.Arch.Sc., Washington University
Frank Metcalf Hammerstrom, B.F.A., Bethany College
Warren Robert Haufl, B.A., Miami University
Chester Henry Hemme, B.S.Arch.Sc., Washington University
Man-Ching Lam, B.Sc., Taiwan Provincial Cheng Kung University
Daniel Lawrence Lemberg, B.S.Arch.Sc., Washington University
Allen Sanford Levin, A.B., Washington University
Robert Morris Lubotsky, B.S.Arch.Sc., Washington University
Richard Kirkham Noyes, B.S.Arch.Sc., Washington University
Jan Kent Peterson, B.S.Arch. ScL, Washington University
Michael Norman Tulper, B.S.Arch.Sc., Washington University

MASTER OF ARCHITECTURE AND URBAN DESIGN
Candidates—June 1, 1970
John Stuart Raymiller, B.Arch., University of Virginia
William Wing-Pak Chan, B.Arch., University of California
Joseph Ehardt, Jr., B.Arch, The University of New Mexico
Ronald Leonard Essley, B.Arch., Arizona State University
George Georgiades, B.Arch., University of Thessaloniki
Davender Kant, B.Arch., University of Delhi
Phillip Carl McCurdy, B.Arch., Oklahoma State University
Daniel Lawrence Mello, B.Arch., The Catholic University of America
Gita Chandulal Shah, Dipl. Arch., Ahmedabad University
Robert Joseph Stadelman, B.Arch., Western Reserve University
Robert Coleman White, B.Arch., University of Arkansas; B.A., ibid.

Awarded—January 21, 1970
Joel Barry Goldsteen, B.Arch., University of Pennsylvania
William Floyd Marchant, B.Arch., University of North Carolina
Darrel Brooks Smith, B.Arch., University of Colorado

Awarded—August 29, 1969
Daniel Ruge Brents, B.Arch., Agricultural and Mechanical College of Texas
Lynn George Craig, B.Arch, Clemson University
Andrew Gasaway, Jr., B.Arch., Tulane University
Irwin Sanford Parisky, B.Arch., The Ohio State University
THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

The Following Candidates Will Be Presented By
GILBERT RILEY WHITAKER, JR., B.A., M.S., PH.D., Associate Dean

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Candidates—June 1, 1970

Mary Lynn Abbott
David Thomas Abernathy
Daniel Edward Allen
Richard Lee Batterberry
Richard Lynn Beckemeyer
Alan Carl Blank
Scott Bruce Bramson
Linda Louise Brown
Harry Theodore Bussmann III
Larry Allan Colby
Michael Henri Covert
Michael Hugh Cromer
Gary Steven DeGraff
Richard Alan Delman
Gregory Brian Denny
Nancy Jane Dobak
John Jacob Feinberg
Thomas Andrew Garvey
Andrew Greene

George John Henricks
Robert Erwin Hoelscher
James Edward Kelly
Bruce Richard Kelsey
Robert Conrad Koerber
James Ronald Lacey
John Michael Lee
Josephine Ann Mack
Donald Francis Mana
Phyllis Elayne Marcus
Donald Jay Marek, Jr.
William Jay Marshall
John Stephen McCarthy
Walter Henry Morris
Nancy Anheuser Nagel
John Elihu Dwight Nickerson
Percy James Orthwein
Sarah Perelman
John David Polys

Alfred Lui-Fu Poon
Christopher Randolph Reither
Jerrold Jay Rosenthal
Mark Dean Sander
James Howard Schetiner
Harold Ray Schmidt
Steven Marc Solomon
Oliver Starr III
Lawrence Francis Stein
Irl Bennett Steiner
Michael Cornelius Sullivan
Gerald Fred Swartzman
Edward Charles Tarlow
James Paul Thomas
George Kenneth Vogt
Alexander Bruce Wilson
Dennis Charles Wolf
Ming Tak Wong
Elliott Neil Zivin

Awarded—January 21, 1970
Jan Burdick

Awarded—August 29, 1969
Len Mitchell Fitts

THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

The Following Candidates Will Be Presented By
GILBERT RILEY WHITAKER, JR., B.A., M.S., PH.D., Associate Dean

MASTER OF BUSINESS ADMINISTRATION

Candidates—June 1, 1970

Robert William Abrams, B.A., Wesleyan University
Wayne Walter Althen, B.S.M.E., University of Missouri; M.S.M.E., ibid.
Fred Steven Anton, A.B., Clark University
Roland Charles Baer, Jr., B.A., Brown University
Richard Mann Bradley, A.B., Washington University
Richard Lawrence Briden, B.A., Lawrence University
Joaquin Rebullida Buenafior, B.S., Ateneo De Manila University
Alfred Jude Buescher, Jr., B.S., University of Missouri at Rolla
Raymond William Capaul, Jr., A.B., The Monmouth College
William Kenneth Carson, B.A. magna cum laude, Vanderbilt University
Hormandyar Shyam Dastoor, K. Comm., University of Bombay
John Marvin Douthat, B.S.Agri., University of Florida
Fred Morris Elliott, B.S.Ch.E., University of Kentucky
Riley James Evans, B.S.E.E., Washington University
John Malcolm Ferguson, B.A., DePauw University
Robert Franklin Gaines, Jr., B.S.B., Virginia Polytechnic Institute
Wayne Blair Garff, B.S.E.E., University of Utah
John Allan Gibson, B.A., DePauw University
Harvey Gerald Jay Gitel, B.S.B.A., Washington University
James Lee Godkins, B.A., Knox College
Thomas Newton Goldman, A.B., Princeton University
Surkoo Hahn, B. Comm., Yonsei University
John Andrew Halloran, B.S.Com., Saint Louis University
Paul Alexander Hamilton, B.S.Ch.E., University of New Hampshire
James Bradford Harris, B.S.C.E., West Virginia University
John Charles Harwood, B.A., Lawrence University
Eugene Edward Hendriks, B.S.Ch.E., Illinois Institute of Technology
Richard Rudolph Hodel, B.S.E.E., Washington University
Heléne Louise Holzman, A.B., Washington University
Martin O’Brien Israel, A.B., Washington University; J.D., ibid.
Roger Gunnar Johnson, B.S.E.E., Purdue University
Albert Bernhardt Jordan, Jr., B.I.E., General Motors Institute

Awarded—January 21, 1970

Robert William Abrams, B.A., Wesleyan University
Wayne Walter Althen, B.S.M.E., University of Missouri; M.S.M.E., ibid.
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Wayne Blair Garff, B.S.E.E., University of Utah
John Allan Gibson, B.A., DePauw University
Harvey Gerald Jay Gitel, B.S.B.A., Washington University
James Lee Godkins, B.A., Knox College
Thomas Newton Goldman, A.B., Princeton University
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John Andrew Halloran, B.S.Com., Saint Louis University
Paul Alexander Hamilton, B.S.Ch.E., University of New Hampshire
James Bradford Harris, B.S.C.E., West Virginia University
John Charles Harwood, B.A., Lawrence University
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Martin O’Brien Israel, A.B., Washington University; J.D., ibid.
Roger Gunnar Johnson, B.S.E.E., Purdue University
Albert Bernhardt Jordan, Jr., B.I.E., General Motors Institute

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Robert Arthur Kottmeier, B.S.E.E., Washington University
Richard Michael Kutta, B.S.I.E., University of Missouri; B.S.M.E., ibid.
Robert Maurice Larson, B.A., Nebraska Wesleyan University
James Oliver Leathers, B.S.B.A., University of Missouri
James Melvin Manz, B.S.B.A., Marquette University
Edward Albert Molesheimer, B.A., Wabash College
Michael Ralph Meyer, B.S., University of Illinois
Richard Paul Moeller, B.S.M.E., Washington University
Stephen Hansen Mortonson, A.B., The Monmouth College
Katherine Virginia Murphy, B.A. cum laude, Maryville College of the Sacred Heart
Randy Gerald Nitz, B.S.B.A., Washington University
Bryan Thomas Phegley, B.S., University of Illinois; B.A., MacMurray College
Richard Paul Moeller, B.S.M.E., Washington University
Stephen Hansen Mortonson, A.B., The Monmouth College
Katherine Virginia Murphy, B.A. cum laude, Maryville College of the Sacred Heart
Randy Gerald Nitz, B.S.B.A., Washington University
Bryan Thomas Phegley, B.S., University of Illinois; B.A., MacMurray College

Awarded—January 21, 1970

Charles William Brandhorst, B.S.C.E., Washington University
Daniel Joseph Forrestal III, A.B., College of the Holy Cross
Lucien Riddle Fouke, Jr., B.A., Yale University
Fred Clarke Gregory, B.A., Alfred University
Thomas Paul Gutmann, B.S.B.A., Washington University
Donald Rhey Harper, B.A., Southern Illinois University
Carl Nicholas Hartkopf, B.S.I.M., Purdue University
David Marshall Hawley, B.A., Knox College
Robert Edgar Heidbreder, A.B., University of Missouri
Oliver William Hickel III, B.A., Wesleyan University
Forrest Charles Hicks, B.A., Cornell University
Kent Walter Hirschfelder, A.B., Washington University
Wolfgang Eckeheinrich Jachob, Engineer, Corps of Engineers, School of the Free and Hanseatic City of Hamburg
Noel Kriston Mahr, B.S.E.E., Saint Louis University
Henry Cletus Merz, B.S., Saint Louis University
Larry Lane Pitt, B.S., Rose Polytechnic Institute
Gerald Walter Rulikheffer, B.S.C.E., University of Missouri, School of Mines and Metallurgy
Murphy Andrews Sewall, B.S.E., Princeton University
Neil Kingston Smith, B.A., University of Notre Dame
Bernard David Tischler, B.S.B.A., Washington University
Robert Kenneth Voigt, B.S.Ch.E., Washington University
Kenneth Paul Wagner, B.A., Saint Louis University
Andrew Neal Westermeyer, A.B., Washington University

Awarded—August 29, 1969

Ali Issa Abdi, A.B. cum laude, Washington University
Richard William Buchanan, B.S., University of Illinois
Kenneth Gregory Hartley, B.S.M.E., West Virginia University
Leon Jay Kaplan, B.S.B.A., Washington University
Donald Kent Lueebenbrink
Francis Joseph Mootz, Jr., B.S.Ch.E., University of Notre Dame
Herbert Armin Remikoff, B.S.B.A., University of Illinois
Richard Shubert Rosenwald, B.S., Washington University
Jesus Maldonado-Salinas, B.S.Bus., Instituto Tecnologico Y De Estudios Superiores De Monterrey
Gilbert William Vondrasek II, A.B., Washington University
DOCTOR OF BUSINESS ADMINISTRATION

Candidates—June 1, 1970

John Joseph Brasch, B.A., Clark University; M.B.A., Washington University
Title of Thesis: A Descriptive Analysis of the Trade Credit System of El Salvador

Robert William Eckles, B.S., Miami University; M.B.A., ibid.
Title of Thesis: The Product Deletion System

Il-Chung Whang, B.A., Yonsei University; M.A., ibid.
Title of Thesis: An Ecological Study of the Food Marketing System of an Underdeveloped Country, with Special Reference to South Korea since 1945

Awarded—January 21, 1970

James Albert Buckenmyer, Ph.B.Comm., University of Notre Dame; M.B.A., University of Toledo
Title of Thesis: The Applicability and Potential of Programmed Instruction in The Curriculum of Collegiate Schools of Business

John Francis Willenborg, B.A., Loras College; M.B.A., Washington University
Title of Thesis: The Durable Product Need Structure and its Application in the Prediction of Household Demand

Awarded—August 29, 1969

Kenneth John Lacho, B.S.Ch.E., Washington University; M.B.A., ibid.
# THE SCHOOL OF CONTINUING EDUCATION

The Following Candidates Will Be Presented By

**JOHN BERNARD ERVIN, Ed.D., Dean**

## BACHELOR OF SCIENCE

<table>
<thead>
<tr>
<th>Candidates—June 1, 1970</th>
<th>Awarded—January 21, 1970</th>
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<tbody>
<tr>
<td>Bruce Robert Antle</td>
<td>Kenneth Blake Ferguson</td>
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<td>Thomas Martin Arbet</td>
<td>Joseph Stephen Filio, Jr.</td>
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<td>Ronald Armstrong</td>
<td>Charlotte Bertha Foster</td>
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<td>Anthony Badalamenti</td>
<td>Gregory Crosby Gottlie</td>
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<td>Richard Eugene Bailey</td>
<td>Maxine Barbara Harris</td>
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<td>Thomas Everett Ballard</td>
<td>Janice Marie Hehir</td>
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<td>Linda Edna Baptiste</td>
<td>Benjamin Albert Herman</td>
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<td>Carol Marie Barbee</td>
<td>James Irving Hopfman</td>
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<td>George Lester Bigby</td>
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<td>John William Blocher, Jr.</td>
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<td>Ferdinand Joseph Boes</td>
<td>Newell Kirkwood Jones, Jr.</td>
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<td>Milton Bernard Bossch</td>
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<td>Dorothy Wish Braoie</td>
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<td>Philip Lee Brigno</td>
<td>Diana Fisher Ladenderdecker</td>
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<td>Lee Raymond Bueman</td>
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<td>John Francis Burns, Jr.</td>
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<td>Donald Henry MacLeod Currie</td>
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<td>William Gerritt Demzik, Sr., B.S.</td>
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<td>Alfred Leroy Dimnett</td>
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<td>Farshid Dini, B.S.</td>
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<td>Richard Lee Doehr</td>
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<td>James Gerard Baillmann</td>
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<td>Robert Edward Beitel, B.S.B.A., M.B.A.</td>
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<td>William Curtis Bell</td>
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<td>Clifton Merrill Buell</td>
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<td>Michael Frank Bumb</td>
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<td>Norman Lee Davis</td>
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<td>Bradley George Ellis</td>
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<td>Irene Margaret Eveland</td>
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<td>Ruth Genevieve Heisse</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Awarded—August 29, 1969</th>
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<tbody>
<tr>
<td>Ralph Duncan Henderson</td>
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<td>Harry Bruce Holtgreen</td>
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<td>Charles Robert Kilgore</td>
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<td>Terrence Donald Long</td>
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<td>Mary Ann Mitchell</td>
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<td>Philip Michael Neeter</td>
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<td>Karen Basse Nilson</td>
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</tbody>
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Raymond Bernard Beckamp
Winthrop Blackstone Reed, Jr.
Robert Richard Reid
Barbara Anne Reiss
William James Renken
Robert Howard Ritchie
Robert Lawrence Rosenfeld
Norman Henry Runge
John Joseph Schmitz
Kenneth Ray Schmutzler
James Edwin Schuessler
Cornelia Anne Scott
Walter Henry Sheata
Virginia Velas Sieghur
Harry Jack Siegel
James Ernest Sifford
Joseph Thomas Sinopole
Ronald Louis Smith
Ruth Ann Smith
Gary Allen Splater
Forrest Dale Sprehe
Bernard Gene Stever
Stephen John Strubel
Richard Joseph Swiatkowski
Gloria Raney Swofford
Gerald Joseph Szalkowski
Lawrence James Tuberty
Stanley Philip Vroman
Thomas James Warner
Don Alvin Watson
Daniel Thomas Werner
Michael Bruce White
Jack Lee Wilkinson
Ann Reeder Williams
Carole Mae Yap
William John Zdrodowski
William Joseph Zinn

Harold Tecumseh Meek, Jr.
George Eugene Moore
Lawrence Bruce Ochonicky
Dennis Eugene Orosa, B.A., M.A.
Patricia James Paden
Donald Gene Pendegrass
Oreste Perruchini
Marc Karl Poppe
Ronald Lindsey Rossi
Edgar Charles Sayles
Bill Gene Schaeffer
Joseph Richard Schulte
Sandra Marilyn Shelton
Neil Spaeth
John Alan Stangler
Donald Wayne Suffko
Walter Alton Timson
Waldo Velas Sieghur
David Robert Vogler
Russell Henry Webink

Laurence Gene Payne
Roger Louis Peilmann
Paul Leroy Polette
Mary Wilson Skinner
John Paul Spradling
Mary Alice Sweeney
Robert Merrill Walters
Richard John Weis
Gloria Ella Welch
BACHELOR OF SCIENCE IN SPEECH AND HEARING

Candidates—June 1, 1970

Marilee Jean Bedell
Corinne Frances Itkoff
Mary Ann McCarthy

BACHELOR OF TECHNOLOGY

Candidate—June 1, 1970

Earl Talbott Layton

THE SCHOOL OF FINE ARTS

The Following Candidates Will Be Presented By
LUCIAN KRUKOWSKI, B.F.A., M.S., Dean

BACHELOR OF FINE ARTS

Candidates—June 1, 1970

Donald James Adair
Ronald Creth Adair
Diana Chase Baldwin
Susan Mary Barnow
Christina Maria Bartholome
Leslie Louise Baumgartner
Mary Idella Beale
Daniel Thomas Brown
Bonnie Alexander Chinn
Timothy Crowley Clark
Diana Sue Crenshaw
Lawrence Raymond DeGuire, Jr.
Nancy Stone DeGuire, Jr.
Cheryl Ann Dowd
Evans Marie Dreiling
Cynthia Carol Futterer
Melinda Susan Glasgow

Nancy Jane Goren
Susan Jane Grimm
Kay Schilling Hatch
Willard Roy Herberg, Jr.
Jill Frances Jaffe
Paula Zemitzsch Jochim
Claude René Kruchmar
Carlton Scott Laird
Mary Esther Lowe
Carolee Porter McKinstry
Sarah Stifler McMahon
Kurt Walter Meinecke
Leslie Anne Newman
William Clark Padgett
Dennis Michael Penessa
Stephen William Penkowski
Lierka Antonia Pershe
Ann Susan Peterson

Awarded—August 29, 1969

Sydell Altman Pollack, B.S.
Virginia Robin Prince
Judith Lynne Roston
Laura Sue Saiber
Eric Davies Schlesinger
Carolyn Jane Schmidt
Cheryle Ann Simon
Michael James Simpson
Diane Marsha Trosman
Susan Klaflf Vick
Jane Rhea Vollmar
Ann Spencer Watson
Michael Richard Weiser
Barbara Ann Weissler
Don Francis Wiegand
Rhoda Rogers Wilcox
John Peter Winkelmolen

Mary Catherine Barnett
Jennifer Lucille Baugh

Richard Frank Fava
Susan Marie Oswald

Robert Arthur Stillwell, Jr.
# THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK

The Following Candidates Will Be Presented By  
RALPH GARBER, D.S.W., Dean

## MASTER OF SOCIAL WORK

**Candidates—June 1, 1970**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Leslie Anderson, B.A.</td>
<td>Kentucky State College</td>
</tr>
<tr>
<td>Roger Lee Arnholt, B.A.</td>
<td>Concordia Senior College</td>
</tr>
<tr>
<td>Jeanne Goodwin Arradondo, B.A.</td>
<td>Central State College</td>
</tr>
<tr>
<td>Bill DeBalabas, B.A.</td>
<td>Southern Illinois University</td>
</tr>
<tr>
<td>Guy Rainer Baitz, B.A.</td>
<td>St. John's Seminary College</td>
</tr>
<tr>
<td>Ruben Thomas Baitz, B.A.</td>
<td>Immaculate Conception College</td>
</tr>
<tr>
<td>John Lee Barnett, A.B.</td>
<td>Southern Illinois University; M.S.Ed., ibid</td>
</tr>
<tr>
<td>Cheryl Ann Bartolimi, B.S.Ed.</td>
<td>Illinois State University</td>
</tr>
<tr>
<td>Mark Stephen Benson, B.A.</td>
<td>Concordia College</td>
</tr>
<tr>
<td>Kay Ann Biederman, B.A.</td>
<td>Warburg College</td>
</tr>
<tr>
<td>Daniel Robert Bomhoff, B.A.</td>
<td>Warburg College</td>
</tr>
<tr>
<td>Claudia Ellen Bourgin, A.B.</td>
<td>The University of Michigan</td>
</tr>
<tr>
<td>Shirley Louise Briggs, A.B.</td>
<td>Fresno State College</td>
</tr>
<tr>
<td>Charlene Marie Brischetto, A.B.</td>
<td>Webster College</td>
</tr>
<tr>
<td>Anne Gillespie Brown, B.A.</td>
<td>Mills College</td>
</tr>
<tr>
<td>Eloune Burrow Brown, B.S.</td>
<td>Fisk University</td>
</tr>
<tr>
<td>Timothy Walter Brun, B.A.</td>
<td>Concordia Senior College</td>
</tr>
<tr>
<td>Joan Marie Budak, B.S.N.</td>
<td>College of Saint Teresa</td>
</tr>
<tr>
<td>Elizabeth Gragg Carder, B.S.</td>
<td>Auburn University</td>
</tr>
<tr>
<td>Harold Francis Cecil, B.A.</td>
<td>Cardinal Glennon College</td>
</tr>
<tr>
<td>Jean Carroll Childers, B.S.</td>
<td>Washington University</td>
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<tr>
<td>Virginia Coiner Classick, B.A.</td>
<td>Valparaiso University</td>
</tr>
<tr>
<td>John Joel Cohn, A.B.</td>
<td>University of Cincinnati</td>
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<tr>
<td>Mary Gordon Coiner, B.A.</td>
<td>Valparaiso University</td>
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<tr>
<td>Sara Clay Daniel, B.A.</td>
<td>Sweet Briar College</td>
</tr>
<tr>
<td>Susanne Hune Douglass, B.A.</td>
<td>University of Missouri</td>
</tr>
<tr>
<td>Shari Partos Etkowitz, B.S.Ed.</td>
<td>Washington University</td>
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<tr>
<td>Patricia Ann Everett, B.A.</td>
<td>cum laude, Edgewood College of the Sacred Heart</td>
</tr>
<tr>
<td>Erynn Ellen Ewald, B.S.Ed.</td>
<td>Concordia Teachers College</td>
</tr>
<tr>
<td>Marshaynn Flowers, B.A.</td>
<td>The University of Texas</td>
</tr>
<tr>
<td>Linda Ruth Fritschel, B.A.</td>
<td>magna cum laude, Warburg College</td>
</tr>
<tr>
<td>Joyce Marie Gittrich, B.A.</td>
<td>The University of Tulsa</td>
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<tr>
<td>Rochard Charles Goldberg, B.S.</td>
<td>Wisconsin State University</td>
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<tr>
<td>Gloria Jean Guetzke, B.A.</td>
<td>Valparaiso University</td>
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<tr>
<td>Fawzia Latif Hanna, Dipl.</td>
<td>of Social Work, The High Institute of Social Work</td>
</tr>
<tr>
<td>John Edward Hoffman, B.A.</td>
<td>Southern Edward Hoffman, B.A.</td>
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<tr>
<td>Tzuoh-Chu Hsu, B.A.</td>
<td>Taiwan Provincial Chung Hsing University</td>
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<tr>
<td>William Oliver Hunt, B.A.</td>
<td>The University of Tulsa</td>
</tr>
<tr>
<td>Mary Elizabeth Jackson, A.B.</td>
<td>Washington University</td>
</tr>
<tr>
<td>Gloria Jean Morrow Johnson, B.S.</td>
<td>North Carolina Agricultural and Technical State University</td>
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<tr>
<td>Patricia Weber Judd, B.J.</td>
<td>University of Missouri</td>
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<tr>
<td>Bonita Rae Kamper, B.A.</td>
<td>Blackburn College</td>
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<tr>
<td>Patricia Anne Keith, B.S.</td>
<td>Washington University</td>
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<tr>
<td>Joyce Eudice Kopperman, A.B.</td>
<td>Washington University</td>
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<tr>
<td>Edward Michael Koslin, A.B.</td>
<td>Washington University</td>
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<tr>
<td>Bonita Toby Krasner, B.A.</td>
<td>The City College of New York</td>
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<tr>
<td>Marilyn Petersen Leff, A.B.</td>
<td>The University of Nebraska</td>
</tr>
<tr>
<td>Emily Clark Kidwell Linder, A.B.</td>
<td>University of Cincinnati</td>
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<tr>
<td>Orvin Gaylor Lommen, B.A.</td>
<td>University of North Dakota</td>
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<tr>
<td>Donald Milo Lopnow, B.S.</td>
<td>The University of Wisconsin</td>
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<tr>
<td>Thomas Joseph Mangoma, A.B.</td>
<td>Saint Louis University</td>
</tr>
<tr>
<td>Mary Ann Marks, B.A.</td>
<td>University of Minnesota</td>
</tr>
<tr>
<td>Cavins Randolph Marshall, A.B.</td>
<td>St. Meinrad College</td>
</tr>
<tr>
<td>Rosalie Frances Marx, B.A.</td>
<td>Southern Illinois University</td>
</tr>
<tr>
<td>Marie Anne May, B.A.</td>
<td>cum laude, St. Josephs College for Women; M.A.</td>
</tr>
<tr>
<td>Dorothey Lear Muralty, A.B.</td>
<td>cum laude, Maryville College of the Sacred Heart</td>
</tr>
<tr>
<td>Charles Haffero Montoya, B.A.</td>
<td>Goshen College</td>
</tr>
<tr>
<td>Lupe Morales, A.B.</td>
<td>Indiana University</td>
</tr>
<tr>
<td>Rebecca Lou Mutschelknas, B.A.</td>
<td>Ohio Northern University</td>
</tr>
<tr>
<td>Judith Louise Myerson, B.A.</td>
<td>Northwestern University</td>
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<tr>
<td>Victor Nagel, B.A.</td>
<td>Southern Illinois University</td>
</tr>
<tr>
<td>Ann Recher Nitske, B.A.</td>
<td>Oklahoma Baptist University</td>
</tr>
<tr>
<td>Bonnie Marie Orkow, B.A.</td>
<td>The College of Wooster</td>
</tr>
<tr>
<td>Amenia Sue Oxlcy, B.A.</td>
<td>Evansville College</td>
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<tr>
<td>William Thomas Perozzi, B.S.</td>
<td>The University of Wisconsin</td>
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<tr>
<td>Barbara Jo Pickering, B.A.</td>
<td>The University of Wisconsin</td>
</tr>
<tr>
<td>Eleanor Rodgers Founds, B.A.</td>
<td>Duke University</td>
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<tr>
<td>Odessee Ervin Preston, B.A.</td>
<td>Lincoln University</td>
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<tr>
<td>Eric John Reesel, B.A.</td>
<td>University of California</td>
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<tr>
<td>Diana Lee Reed, A.B.</td>
<td>Washington University</td>
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<tr>
<td>Elizabeth Anne Rubenstein, B.A.</td>
<td>University of Maryland</td>
</tr>
</tbody>
</table>
Laurel Ann Rubin, A.B. cum laude, Washington University
Mary Odegard Rutter, B.S., Iowa State College
Patrick Daniel Sandonato, B.A., Gannon College
Claire Moore Schumann, B.S., Washington University
Douglas Ames Spicka, A.B., Washington University
Gerard Majella K Ssenkoloto, Dipl. S.W., Oppenheimer College of Social Science
Mirnie Silva Stapleton, B.S., University of Oregon
Joyce Diana Stephenson, B.S., Morris Harvey College
Gilda Susan Stern, B.S., McGill University
Mary Goldstein Stolar, A.B., Washington University
Donald John Szynula, B.A., Southern Illinois University
Dale Peter Tacheny, Licentiae Theol., Angelicum University
Lynn Mary Tamms, B.A., Southern Illinois University
Joan Collins Thompson, A.B., Indiana University
Jan Elise Thurston, A.B., Indiana University
Curtis Lee Tragor, B.A., Wartburg College
Francene Turken, A.B., University of California
Antoinette Margaret Urbaniak, B.A., College of Saint Teresa
Judith Jean Warner, B.A. cum laude, Kent State University
Carol Jeanne Weaver, A.B., The University of Georgia
Jack Moore White, Jr., B.S.Ed., Southwest Texas State College
Fred Walter Willis, B.A., Dillard University
Charles Ray Wilt, A.B., Augustana College
Herman Viles Wood, B.Gen.Ed., The University of Oklahoma
Charles Frederick Wright, B.S.Ed., Northeast Missouri Teachers College
Alan Roy Yates, B.A., Montana State University

DOCTOR OF SOCIAL WORK

Candidates—June 1, 1970

James Oakley Billups, B.S., West Virginia University; M.S.S.A., Western Reserve University
Title of Thesis: Interrelatedness of Representational Patterns and Goals Within Federative Social Welfare Structures
Joan Marie Cummerton, B.S., Carnegie Institute of Technology; M.S.S.A., Western Reserve University
Title of Thesis: Expectations of Social Work Field Instructors
Ira Francis Ehrlich, B.S., Towson State College; M.S.S.A., Western Reserve University
Title of Thesis: A Study of Disengagement and Life Styles Among the Aged
John George Kisel, B.S., Juniata College; M.A., University of Connecticut; M.S., ibid.
Title of Thesis: Command Consultation: A Practice Modality Used by Army Mental Hygiene Consultation Service Staff
Nazneen Sada Mayadas, B.A., University of Lucknow; M.A., University of Allahabad; M.S.S.A., Western Reserve University
Title of Thesis: Selective Factors Associated with Role Behaviors of the Blind
Joseph Reeves, B.A., Albright College; M.S.S.W., College of William and Mary
Title of Thesis: Social Work Roles in Control-Oriented and Treatment-Oriented Correctional Settings
THE SCHOOL OF LAW

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

DOCTOR OF LAW

Candidates—June 1, 1970

Robert Lee Aldridge, B.A., University of Idaho
John William Belk, B.A., East Central Oklahoma State College
James Leslie Briasenden, B.S., Millikin University
Morris Clyde Brown, A.B., Washington University
Nordahl Leo Brue, A.B., Grinnell College
Clifford Martin Buchholz, B.S., Trinity University
Gary Douglas Bullock, B.A., Berea College
Patricia Eileen Byrne, B.S.B.A., Georgetown University
Patrick Thorpe Callaway, B.A., Southern Illinois University
Warren Clinton, B.A., Principia College
Robert Allen Cohen, B.A., Lake Forest College
Brian Clyde Cunningham, B.S.E.S., Washington University
Norman Walter Drey, Jr., B.A., University of Wisconsin
James David Eckhoff, B.S.B.A., Washington University
David Sholom Eisenberg, A.B., University of Rochester
David Joseph Fingerhut, B.S., Saint Louis University
Robert William Gagnon, B.A., University of Massachusetts
Eugene Goldstein, B.A., City College of New York
Charles Randall Grant, Jr., B.A., Earlham College
Michael Thomas Hannafan, B.J., University of Missouri
Keith William Hazelwood, A.B., Dartmouth College
James Clarence Huber, B.A., Carleton College
Kenneth John Ingram, B.A., Amherst College
John Irwin Karesh, B.A., New York University
Michael Howard King, B.S., Washington University
Edward Yu-sun Ku, B.A. in Law, National Taiwan University
Martha Louise Latzer, B.A., Beloit College
Jonathan Eric Lindberg, A.B., Drury College
David Paul Lindecamp, B.A., Washington and Lee University
Paul Roy Lipton, B.A., Pennsylvania State University
Carl Lee LoPresti, B.A., College of Wooster
Roderick Cameron MacKinnon, A.B., University of Rochester
Michael Kenneth Marlow, B.A., University of Southern California
Derek Ivers Meier, B.A., Yale University
Steven Leon Mekoel, B.A., Knox College
Dennis Budde Mertz, B.S., Southern Illinois University
John Blanton Mitchell, Jr., A.B., Princeton University
Michael Albert Myers, B.A., Tulane University
David Winslow Oesting, A.B., Earlham College
Robert Lee Officer, B.A., Vanderbilt University
Richard Frederick O’Hair, B.A., Beloit College
Ronald Wesley Olson, B.A., Parsons College
Robert Gray Palmer, B.A., DePauw University
Arnold Thielens Phillips, Jr., B.A., Lynchburg College
E Mont Robertson, B.S.I.M., Georgia Institute of Technology
Alber Schoen, Jr., B.S. in C. & B.A., University of Alabama
Stephen Todd Rudman, A.B., Washington University
Julian Scheiner, B.S.E.E., Washington University
Roger Miles Scrivner, B.A., Westminster College
David Laurence Smith, B.A., Denison University
Michael Bane Stern, B.A., University of Arizona
William Charles Struyk, A.B., University of Nebraska
Steven Francis Techet, A.B., Franklin and Marshall College
David Catlin Wahl, A.B., Washington University
Wesley Dennis Wedemeyer, A.B., Princeton University
Joel Lustig Wohlgemuth, A.B., Brown University
Peter Joseph Wunderlich, B.S., Saint Louis University

Awarded—January 21, 1970

Joan Potthoff Cronin, A.B., Washington University
Steve Robert Eveloff, B.S.B.A., Washington University
Herbert Arthur Kasten, Jr., B.A., Southern Illinois University
Lucy Kearny Kennard, A.B., Washington University

Awarded—August 29, 1969

Kelly Dean Long, B.S., University of Illinois

24
MASTER OF LAWS

Candidates—June 1, 1970

Robert William Breece, Jr., B.S.B.A., Northwestern University; J.D., University of Oklahoma
James Jay Brown, B.S. Econ., University of Pennsylvania; J.D., Cleveland State University
Donald Lawrence Feinstein, B.A., University of Oklahoma; J.D., University of Kansas
Harry Preston Henshaw III, A.B., West Virginia University; J.D., ibid.
Charles Alan Hurth, Jr., B.A., Ohio Wesleyan University; LL.B., University of Colorado
Thomas Ronald O’Neill, A.B., Bucknell University; J.D., Boston College
David Lawrence Rapp, B.A., University of Notre Dame; J.D., Washington University
Lionel Anthony Rodgers, Jr., B.A., University of Notre Dame; J.D., University of California (Hastings)
Gregory Martin Sheehan, Jr., B.A., Westminster College; J.D., University of Louisville

Awarded—January 21, 1970

Miriam T Bricker, B.A., Westhampton College;
LL.B., University of Denver College of Law
Hubbard Sellers Parks, B.A.A., University of Texas; LL.B., ibid.
Major Garland Woodroof III, B.A., University of Kentucky; J.D., ibid.

Awarded—August 29, 1969

Christopher Johnstone Bell, B.A., University of North Carolina;
J.D., Washington University

MASTER OF COMPARATIVE LAW

Candidates—June 1, 1970

Wei Kung, LL.B., Soochow University
Joseph Ten-yu Ouyang, LL.B., Soochow University
Ying-nan Wang, LL.B., Soochow University
THE SCHOOL OF DENTISTRY

The Following Candidates Will Be Presented By
JOHN THOMAS BIRD, D.D.S., Dean

MASTER OF SCIENCE IN ORTHODONTICS

Candidates—June 1, 1970
Thomas Charles Ahlers, A.B., Drury College; D.D.S., Washington University
James Vincent Ferdinand, D.M.D., University of Louisville
Joe Lynn Henley, D.D.S., University of Tennessee
James Milton Phillips, B.S., University of Alabama; D.M.D., ibid.
John Roland Reel, D.D.S., Washington University
James Lewis Wetzel, Jr., A.B., Washington University; D.D.S., ibid.

DOCTOR OF DENTAL SURGERY

Candidates—June 1, 1970
Dennis Henry Barbian, B.S., Utah State University
Robert Lee Bartlett, B.S., University of Idaho
William Michael Campbell
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
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Harold Ray Diamond, B.S., University of Washington
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Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
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Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
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Leward Charles Fish, B.A., Oklahoma State University
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Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Drury College
Harold Ray Diamond, B.S., University of Washington
Leward Charles Fish, B.A., Oklahoma State University
Raymond Anthony Cerskus, A.B., Washington University
Lewis Ted Cowley, B.S., Brigham Young University
Robert Thomas Dewar, A.B. magna cum laude, Druy
THE SCHOOL OF MEDICINE

The Following Candidates Will Be Presented By

MORRIS KENTON KING, M.D., Dean

BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY

Candidates—June 1, 1970

Jeanne Elaine Bode
Bette Rae Bonder
Leslie Denbo Crandall
Marilyn Sara Quint Forse

Ellen Irene Herz, B.A.
Virginia Ann Hespen
Ellen Grace Murphy, B.S.
Norma Ann Murphy

Awarded—January 21, 1970

Margaret Helen Hamm

Awarded—August 29, 1969

Virginia Lee Porter

BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Candidates—June 1, 1970

Carol I Adams
Alexandra Dodds Coffey
Everett Dale Groenewold
Mary Hail Hall
Terry Lee Haub

Katherine Parry Knoop
Pamela Jean Kolb
Elissa Hedrick Liescheidt
Sharon Lynn Lock

Amanda Russell McClure
Aileen Elizabeth Martin
Janis Elizabeth Monk
Kathleen Ann Poska
Rae Wagner, B.S.

MASTER OF HEALTH ADMINISTRATION

Candidates—June 1, 1970

Richard William Brown, B.A., Phillips University
Henry Joseph Buhrmann, B.S., Loyola University
Janice Campbell, S.C.N., Nazareth College; B.S., ibid.
Monty Darryl Drespling, B.S., Youngstown University
Timon H Holloway, Jr., B.S., Northeast Louisiana State College
Timmie Joe Jackson, B.S., Oklahoma State University
Jerry Leon Lee, B.S., Louisiana Polytechnic Institute
Terence F Moore, B.S., Central Michigan University
Jasper J Purvis, B.S., University of Tennessee
James Edward Raney, B.A., Wayne State University
Earl Anton Simendinger, Jr., B.S., Ashland College
M Edwin Steuer, B.S., Indiana University
Samuel T Wallace, B.S., University of Missouri
Robert Stanley Williams, B.S., University of Florida

DOCTOR OF MEDICINE

Candidates—June 1, 1970

Philip Otis Alderson, A.B., Washington University
Neil Steven Alex, B.A., Yale University
Donald Carroll Anderson
James DeHaven Atwood
Bruce Harlan Becker, A.B., Washington University
John Carl Bell, A.B., Washington University
Robert Isaac Birns, B.A., Queens College
William Edward Blair, Jr., B.S. Ed., Indiana University
William Albert Blattner, A.B., Washington University
Robert Charles Brasch, B.A., Miami University
Jeffrey Michael Brick, B.S.E.E., Duke University
Bruce Rogers Brodie, B.S.E.E., Purdue University
David Armstrong Brueckner, B.S., Ohio University
Donald Patrick Brovey, B.S., Texas Agricultural and Mechanical University
Stephen Edward Campbell, A.B., Duke University
Mark John Castellanet, B.A., Lawrence University
Aubrey Pat Chambers, B.A., University of Oklahoma
Claude Robert Cleminger, B.A., University of Texas
Bruce Milton Cowan, A.B., Cornell University
Eugene Lyndon Crews III, A.B., University of Missouri
Aaron Brooks Crofoot, B.A., DePauw University
Joann Lucille Data, B.S., Purdue University
Shirley Klemp Deem, B.S., Washington State University
Dale Francis Dierberg, B.A., Rice University
Richard Adolph DiGioia, A.B., Columbia University
Stephen Richard Dunlop, A.B., Harvard University
William Cowden Elder, B.A., University of North Dakota
Marilyn Barnard Escobedo, B.A., Baylor University
Stephen Lee Ewing, B.A., Northwestern University
Bruce David Fisher, B.A., Johns Hopkins University
Kathryn Kinlock Flake, A.B., Washington University
Marylyce Kasper Friesen, B.A., Bethel College
Francisco Javier Garriga, B.S., University of Puerto Rico
Ronald Jay Gaskin, A.B., Washington University
William Vincent Glenn, Jr., B.A., Johns Hopkins University
John Peter Gumbelevicius, B.A., Northwestern University
Robert Gerald Harmon, A.B., Washington University
Clifton Gordon Harris III, A.B., Stanford University
Scot George Hickman, A.B., Duke University
Barry Randall Hieb, B.A., Bethel College
Elizabeth Hilliker, A.B., Washington University
Maria Georgiou Ikossi
Stephen Allen Kamenetsky, A.B., Washington University
Jay Alan Katz, B.A., Vanderbilt University
James Norling Kelley, B.S., University of Idaho
Stephen Euless Kelly, B.S., University of Oklahoma
Judith Ann Kelsey
Steven Alfred Kotner, A.B., Washington University
Larry Stephen Kurz, A.B., Washington University
Dana Larson, B.A., Macalester College
Lorenzo Sebastian Lavorgna, A.B., Boston University
Rodney Hammond Lusk, A.B., Duke University
Michael John MacDonald, B.S., University of Notre Dame
Quentin Macmanus, B.S., University of Notre Dame
Betty Lee Margul, A.B., Washington University
Ronald Paul Alfred Marshall, B.S., University of Washington
Thomas Keith McMahan, A.B., Columbia University
Paul Arthur Mennes, B.S., University of Wisconsin
James Michael Mick, B.S., University of Dayton
Michael Stuart Milter, A.B., Princeton University
Alexander Lewis Miller, B.A., Yale University
Marilyn Agnes Mollam, B.A., Northwestern University
John Porter Moreland
David William Orthals, B.S., Saint Louis University
Lyle Douglas Pahnke, Jr., B.S., University of Texas
Terrence Albert Pfeifer, A.B., University of South Dakota
John Charles Robinson
David William Scharp
William Thomas Shearer, B.S., University of Detroit; Ph.D., Wayne State University
Toby Lee Simon, B.A., Johns Hopkins University
Paul Cooper Simpson, Jr., A.B., Davidson College
Richard Lee Smith, B.S., Saint Louis University
Rush Alexander Snyder, Jr., B.A., Rice University
William Stanton III, A.B., Harvard University
Peter Joseph Stern, B.A., Williams College
Arnold Wilbur Straus, A.B., Stanford University
Hatton William Sumner, B.S., St. Edwards University
Keith Howard Swenson, B.S., University of Idaho
George Reeves Throop III, B.A., Hanover College
William Montgomery Tuttle
Robert Alan Udesky, A.B., Oberlin College
Stanley John Vogel, B.A., Wabash College
Marc Weissbluth, A.B., Stanford University
Hugh Hopkins West, B.S., Tulane University
Thomas William Wicks, B.A., Northwestern University
Dennis Edward Wood
Eric Brinton Zurbrugg, B.S., United States Air Force Academy
Jo Beamer Zurbrugg, A.B., Indiana University
THE GRADUATE SCHOOL OF ARTS AND SCIENCES

The Following Candidates Will Be Presented By
RALPH ERNEST MORROW, PH.D., Dean

MASTER OF ARTS

Candidates—June 1, 1970

IN ANTHROPOLOGY
Mary Martin Farvar, B.A. cum laude, Macalester College
Thomas Mattingly Garr, B.Hu., Instituto de Humanidades Clásicas
Cynthia Gillette, B.A., University of California at Los Angeles
Marco Maurizio Pardi, B.A., University of South Florida
Constance Pennacchio, A.B., Emmanuel College

IN ART AND ARCHAEOLOGY
William Lee Epton, B.A., University of Oklahoma; B.F.A.Art, ibid.
Gail Ruth Guidry, A.B., Maryville College of the Sacred Heart
Christine Elizabeth Heslep, B.F.A., Washington University
Mary Patricia Holmes, A.B., Washington University
Chung-gin Li, B.A., National Chengchi University; M.A.,
Taiwan Normal University

IN BIOLOGY
Joan Elizabeth Bauman, B.S., Saint Francis College
Evelyn Brown Becker, B.S. cum laude, The City College of New York
Daniel Franklin Liberman, B.S., Suffolk University
Gloria Sanderous Webb, B.A. magna cum laude, Dillard University

IN BOTANY
Karen Gaither Cralle, A.B., Washington University
Noel Stuart Schanen, B.A., Southern Illinois University
Ben Harlan Senturia, Jr., A.B., Washington University

IN CHEMISTRY
Chi-wan Chen, B.Sc., National Taiwan University
Eric Jan Flug, B.S., Brooklyn College
Albert John Gutke, B.A., Queens College; M.A., ibid.
Robert James Harter, B.S., The University of Rochester; A.M., Washington University
Sylvia Shue-Ling Ho, B.Sc. cum laude, Chung Chi College
Alice Wei-lung Lee, B.S. Engr., National Taiwan University; M.S., ibid.
John Prince McCue, A.B., Boston University
Avelina Qui Ong, B.S.Ch.E. summa cum laude, University of Santo Tomas; M.S., Indiana University

IN CHINESE
Kathleen Ray Bass, A.B., Washington University
Jane Ann Caldwell, A.B., Washington University

IN COMPARATIVE LITERATURE
Magdalene Henriette Mészáros, B.A., Case Western Reserve University

IN ECONOMICS
Edmundo Olvera Acosta, B.A., Rice University
Susan Virginia Bailey, B.A., The University of Kansas
Patricia Ann Bremer, B.A. cum laude, Lewis and Clark College
Winston Church Rush, B.A. magna cum laude, The Florida State University
Sharon Marie DeSha, A.B. magna cum laude, University of Missouri at St. Louis
Robert Paul Goodman, B.A., Brown University
William Barry Leavens III, A.B., University of California at Berkeley
Michael Lee Unger, B.S.Ed., The Ohio State University; M.A., The University of Toledo
John Andrew Wenninger, B.A., Wisconsin State University
Ronald Allen Wood, B.A., Western Maryland College
Robert Simpson Woodward IV, B.A., Haverford College

IN EDUCATION
Patricia Teague Ashton, B.A., Memphis State University
Marilyn Probe Goodman, A.B., Washington University

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IN ENGLISH

Candice Haddad Campbell, A.B., Webster College
Kathleen Mildred Coyle, B.A., magna cum laude, Vanderbilt University
Margaret Ann Curtis Cuda, B.A., Wells College
Anne Felker, B.A., Agnes Scott College
Miriam Jensen Hendrix, B.A., Wellesley College
Deborah Goodman Kasdan, A.B., Washington University
Lawrence C. Klein, A.B., magna cum laude, Rutgers, The State University
Terrie Liberman, A.B., Smith College
Carolyn McCurdy, B.A., magna cum laude, Rutgers, The State University
Karen Barbara Ritt, B.A., Cornell College
Nancy Kimasa Sindel, A.B., Wilson College
Sondra Gayle Stein, A.B., The University of Michigan
Cheryl Louise Thomas, B.A., magna cum laude, Park College
Clarice Elizabeth Toeteller, B.A., Denison University
Karen Barbara Ritt, B.A., Cornell College
Nancy Kimasa Sindel, A.B., Wilson College
Sondra Gayle Stein, A.B., The University of Michigan

IN GEOLOGY

Alan Barrington Blaxland, B.Sc.(Hons.), The University of Reading

IN GERMAN

Ann Morton Crabb, B.A., Swarthmore College; A.M., Columbia University
Gerard Francis Denault, A.B. cum laude, Harvard College
Mary Kaufmann Durham, B.A., Skidmore College
Julia Yukiko Fukuda, B.A. Hist.(Hons.), University of Hawaii
Eva Katalin Gordon, M.A., The Johns Hopkins University
Robert Roy Hollander, A.B., University of California at Berkeley; M.A., ibid.
Johann Steffen Hopeman, B.A., Carleton College
William Harvey Leckie, Jr., B.A., The University of Toledo
Freddie Lipstein, A.B. magna cum laude, Brandeis University
Michael Lawrence Meiselman, B.A., Franklin and Marshall College; M.A.,
The University of Wisconsin
James Allen Turner, A.B., Washington University
Alma René Williams, B.A., LeMoyne-Owen College

IN HISTORY

Thelma Levine Balbes, A.B., University of Missouri at St. Louis
Minna Ming Mao Chao, B.Sc., Taiwan Normal University
Ronald Fred Levy, A.B., Washington University
Thomas Willie Pendleton, Jr., B.S., The College of William and Mary in Virginia
Gayle Louise Vincent, B.A. magna cum laude, Maryville College of the Sacred Heart
Jeffrey Clayton Wiener, B.S., Rensselaer Polytechnic Institute

IN MATHEMATICS

Anne Gallet, Dipl., Conservatoire de Musique
Dora Jean Wilson, B.A., Tougaloo Southern Christian College

IN PHILOSOPHY

Evelyn Gaye Eaman, B.A., The University of Alberta
Paul Francis Hodapp, B.A., Western Michigan University
Paul Ernst O’Connor, B.A., Concordia Senior College; B.D., Concordia Seminary
Curtis Harold Peters, B.A., Concordia Senior College; B.D., Concordia Seminary
Alfreda Leona Verratti, B.A. magna cum laude, St. John’s College in

IN PHYSICS

William James Cosgrove, B.S., St. Procopius College
Simon Igienik, B.S. Phys., The University of Kansas
Richard John Lederich, B.S., The University of Wisconsin

IN POLITICAL SCIENCE

Winifred Norien Hoadley, B.A., University of Canterbury
Margrit Elna Hofmann
Donald Irving Ostrom, B.A., St. Olaf College

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IN SOCIOLOGY
Sharon Inger Katz, A.B. magna cum laude, Washington University
Margaret Cowdry Park, A.B., Washington University
Christine Elizabeth Rasche, B.A., Elmhurst College
Denis Waldo Stoddard, B.A., Brigham Young University
George Ross Vickers
Wanda Wilson Young, B.A. cum laude, Alma College

IN SPANISH
Catherine Papin Lamont, A.B., Washington University
Mary Ellen Hesskamp Scully, B.S.Ed., Southeast Missouri State College
Vincenza Mazza Walter, B.A., Montclair State College

IN URBAN AFFAIRS
Winifred Pattie East Faulkner, B.A. cum laude, Newton College of the Sacred Heart

Awarded—January 21, 1970

IN ART AND ARCHAEOLOGY
John Frank Lesser, A.B., Washington University

IN AUDIOLOGY
Izak Schoombee Hay, B.Sc.Eng., University of Stellenbosch

IN BOTANY
Ting Chen Chou, B.Sc., National Taiwan University
William Henry Grant, Jr., B.S., Iowa State College

IN CHEMISTRY
James Allen Miles, B.A. summa cum laude, Bradley University

IN COMPARATIVE LITERATURE
Dorothy Ethel Jerome, B.A., University of California at Riverside

IN ECONOMICS
Kenneth Dean Bopp, B.S.Ed., Northeast Missouri State Teachers College
Robert Curtis Evans, B.A., San Jose State College

IN ENGLISH
Susan Beall Miller, A.B., Wilmington College
Susan Noel Young, B.A. cum laude, Carleton College

IN GEOPHYSICS

IN GERMAN
Alice Carolyn Hall, A.B., Washington University
Hildegarde Hunt Von Laue, B.A., Bryn Mawr College

IN HISTORY
Jon Thomas Dieffenbaker, B.A., Concordia Senior College; B.D., Concordia Seminary
Robert Edward Masur, B.A., Carleton College
Ann Saffer, B.A., Wellesley College

IN JAPANESE
John Van Ward Geddes, B.A., The University of British Columbia

IN MATHEMATICS
Lin-Siung Chang, B.Sc., National Taiwan University
James Malcolm Wilmesmeier, B.A., St. John's University

IN MUSIC
Gilbert Gregory French, B.A., Marquette University; A.M., Saint Louis University

IN PHYSICS
Michael Walton Hair, B.S., Louisiana State University and Agricultural and Mechanical College

IN POLITICAL SCIENCE
John Robert Gist, B.S., Loyola University

IN POLITICAL SCIENCE; LATIN AMERICAN STUDIES
Howard Arnold Gutfeld, B.A., The University of Chicago
IN PSYCHOLOGY
Susan Gertrude Dietz-Felbinger, A.B. magna cum laude, Wheaton College; M.S.C.P., Washington University
Erwin Louis Lueker, Jr., B.A., Concordia Senior College

IN SOCIOLOGY
Janet Ann Gilboy, B.A., University of Kentucky
Craig Thomas Hathaway, B.A., Harpur College
William B Helmreich, B.A., Yeshiva College
Theron Allen Lambert, B.A., Brigham Young University
James Jay Noell, B.S., The University of Wisconsin
Patricia Anne Roberts, B.A., Fisk University
Eleanor Palo Stoller, A.B., Grinnell College
James Michael Weber, B.S., Saint Louis University
Bruce Michael Zeikovitz, A.B., Temple University

IN SPANISH
Jesus Salinas Everett, Profesor en Lenguas y Literaturas Modernas, Instituto Tecnologico y de Estudios Superiores
Awarded—August 29, 1969

IN ASIAN STUDIES
Donald Anthony Azar, B.S.Sci. and Hum., Iowa State University

IN BIOLOGY
Paula Kathleen Johnseine, B.S., Seattle University

IN BOTANY
Jon Lawrence Hawker, A.B., Ripon College

IN CHEMISTRY
Elmer Lee Wilhite, B.S., University of Missouri

IN CHINESE AND JAPANESE
Elizabeth Ann Steffens, B.A., William Smith College

IN COMPARATIVE LITERATURE; FRENCH
Elizabeth Hilliker, A.B., Washington University

IN ECONOMICS
Jess Barry Yawitz, A.B. cum laude, Washington University

IN ENGLISH
Jon Lucian Dressel, B.S.J., Northwestern University
Sue Ann Salomon, A.B. magna cum laude, Western Reserve University
Howard Elgin Schwartz, A.B., Washington University
Lynne Scott Stoddard, A.B., Drury College
Lawrence James Wroblewski, B.A., Fordham University

IN FRENCH
Gretchen Louel Smith, B.A. cum laude, University of Minnesota

IN GEOLOGY
Harry John Allen, B.S.Geol., Indiana University

IN GEOPHYSICS
John Henry Beyer, Jr., B.S.Phys., Lafayette College

IN GERMAN
Mary Ellen Woodard, A.B., Saint Louis University

IN HISTORY
Lawrence Allison Morgan, A.B. magna cum laude, Harvard College
Darrell Richard Reinke, B.A., Yale University; B.D., Concordia Seminary
Marion B Rosen, A.B. cum laude, Brandeis University
Henry Michael Schaffer, A.B., Columbia College
Marie Irene Schilling, A.B. cum laude, Smith College

IN MUSIC
George James Quick, B.Mus., Washington University

IN PHILOSOPHY
Adelle Spangler Corrin, A.B., Washington University

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IN PHYSICS
Mary Mellott Hoppe, A.B., Washington University
William Henry Swantner, B.S., College of the Holy Cross

IN POLITICAL SCIENCE
Ira Walter Edelman, B.A., State University of New York
Ruth Leonora Horowitz, A.B., Washington University
Edward Lufu Ncube, B.A., University of Southern California
Frederie Teitelbaum, A.B., Washington University

IN PSYCHOLOGY
Lawrence Irwin Rosenkoetter, B.A., Concordia Senior College; B.D., Concordia Seminary
Donald Francis Sutton, B.A., University of Toledo
Albert Edward Wibbenmeyer, B.S., Saint Louis University

IN SOCIOLOGY
Ali El-Hadi El-Hawat, B.A., University of Libya
Nancy Nichols Jackson, A.B. magna cum laude, Brandeis University
Allen Joel Schonwald, B.S., The University of Wisconsin

IN SPANISH
Dianne Patricia Coon, B.A., Saint Mary's College

MASTER OF ARTS IN TEACHING

Candidates—June 1, 1970

IN BIOLOGY
Karen Broholm Martin, A.B., Washington University
Thomas Michael Rogers, A.B., Earlham College

IN ENGLISH
Anita Kathleen Bell, B.A., Valparaiso University
Margaret Burn Gerrard, A.B., Washington University
Jane Rosen Gould, B.S., Washington University
Elizabeth Ann Moses, A.B., Washington University
Randall Lloyd Nicholas, A.B., Washington University
Martha Quade Pine, B.A., The University of Kansas

IN FRENCH
Susan Drescher Colbert, B.A., The University of Wisconsin
Robert Crawley Johnson III, A.B., Lincoln University

IN LATIN
Harry Eugene Preston, B.A., Wabash College

IN MUSIC
Fred Albert Blumenthal, B.Mus., Ithaca College

IN SOCIAL STUDIES
Bette Taylor Jones, B.A. cum laude, Fisk University
John Francis Linehan, Jr., B.A., Bates College
Elizabeth Wood Lippert, B.A., Barat College of the Sacred Heart
David Littman, A.B., Washington University
Judith Weitman Putz, B.A. magna cum laude, Brooklyn College
Susan DeForest West, B.A. (Hons.), Lake Forest College
Jane Guyette Wiese, A.B. cum laude, Washington University
Barbara Wiley, B.A., Beloit College

Awarded—January 21, 1970

IN ENGLISH
Mary Cullom Nies, B.A., Principia College

IN MATHEMATICS
John Michael Feehan, A.B., Washington University

IN SOCIAL STUDIES
Pamela Dilday Heim, B.A., DePauw University
Awarded—August 29, 1969

IN BIOLOGY
Ann Harriet McCurdy, A.B., Earlham College

IN ENGLISH
Alicia Maria Allen, A.B., Washington University
Joan Truax Avioli, B.A., Seton Hill College
Eleanor Callahan DeKins, A.B., Cornell University
Virginia Louise Dreyer, B.A. cum laude, Loyola University
Barbara Frances Edison, A.B., Smith College
Joanne Shackelford Fritz, B.S., Washington University

IN GERMAN
Kay Marie Rheinhardt, B.S.Ed. cum laude, University of Missouri

IN MUSIC
John Clifford Batchman, B.Mus., St. Louis Institute of Music
Jane Elizabeth Berntsen, B.A. magna cum laude, Coe College
Susan Lane Hawker, B.A., Carleton College
Clarence Stephen Janiszak, B. Mus., St. Louis Institute of Music
John Joseph Milak, Jr., B.S.Ed., Washington University
Susan Carol Purcelli, A.B., Washington University

IN SOCIAL STUDIES
Martha Montero Batt, A.B., MacMurray College
Richard Mervin Blaha, A.B., Washington University
Marc Pemble Hansen, A.B. cum laude, MacMurray College
Dorothy Lenore Higley, B.A., Hiram College
Abby Morrel, A.B., Washington University
George William Nelson, Jr., A.B., Washington University
Joan Farrell Pie, A.B. cum laude, Maryville College of the Sacred Heart
Arvilla Anne Sheron, B.S., Washington University

MASTER OF ARTS IN EDUCATION
Candidates—June 1, 1970

IN EDUCATION
Sherrill Hose Akyol, A.B., Washington University
John Joseph Bacott, A.B.Ed., Harris Teachers College
Carol Elise Baker, B.A., Cornell College
Letitia Stevenson Baumgartner, B.A., Ohio Wesleyan University
Mary Lou Aschinger Biggs, B.S.B.A., Washington University
Harold Raymond Bloss, B.A., Cardinal Glennon College
Marc Pemble Hansen, A.B. magna cum laude, Coe College
Susan Lee Buckner, B.A. cum laude, Knox College
Karen Sue Buie, A.B., Washington University
Andrew Neier Bull, B.A., Maryville College of the Sacred Heart
Martha Lewis Charow, A.B., Washington University
Mary Anne Ring Clawson, B.A., Carleton College
Terry Kim Diehl, A.B., Washington University
Geraldine Lynn Dotzler, B.A., Fontbonne College
George Anthony Eirich, Ph.B., Loyola University; A.B., St. Mary’s Seminary; S.T.L., Collegium Angelicum; M.A., Catholic University of America
James Francis Fowler, B.S., Washington University
Susan Rappaport Fox, A.B., Saint Louis University
Oliver Deck Green, A.B., Kansas Wesleyan University
Randall Milton Gruber, B.A., Westminster College
Dorothy Patrick Harris, A.B., Washington University
Kathleen Creanza Hastings, B.A., Cornell College
Linda Kay Hetchman, A.B., Washington University
Randa Nesmith Klasskin, A.B., Washington University
Melinda Fuller Loberg, A.B., Smith College
Felton Burt Mahr, Jr., A.B.Ed., Harris Teachers College
Margaret Ann McCann, B.A., Maryville College of the Sacred Heart
James Charles Munio, A.B., Washington University
Helaine Daniela Oredugha, B.A.(Hons.), Hampton Institute
Reba Joan Phipps, B.A., The Pennsylvania State University
Shirley Ann Piette, B.S., The University of Wisconsin
Margaret Ellen Prance, B.A., Pembroke College
Judith Carol Reinhardt, A.B., Washington University
Everett Thayer Renikser, B.S., Washington University
Sari Goodman Ross, B.S.Sp., Northwestern University
Bonnie Brown Singleton, A.B., Washington University
Catherine Ettia Solmes, A.B., Washington University
Thomas Richard Sowers, B.S., Murray State College

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Venita Louise Stovall, A.B.Ed., Harris Teachers College  
Karen Lynn Suway, A.B., Washington University  
Eleanor Rodabaugh Thomas, A.B., Indiana University  
Jeanne Marie Tissier, A.B., Saint Louis University  
George Francis Walker, A.B., Washington University  
Edna Josephine Whitfield, A.B.Ed., Harris Teachers College

IN MUSIC EDUCATION
Phyllis Sue Hurst, B.Mus., Oklahoma City University  
Cecile Leberete, A.B., Webster College  
Thomas Patrick O'Connell, B.A., Our Lady of the Snows Scholasticate;  
B.Mus. magna cum laude, Loyola University  
Charles Lester Wentworth, B.Mus., Montana State University  
Nada Angela Woods, A.B., College of the Sacred Heart

IN PHYSICAL EDUCATION
Charlotte Ruth Ackerman, A.B., Washington University  
Louis Habib George, Jr., B.S., Washington University

Awarded—January 21, 1970

IN EDUCATION
Patricia French Claybour, A.B., Washington University  
Dorothy Joan Sacks, A.B., Washington University  
Frederick Jacob Schue, Jr., B.A., Wabash College  
Roy Leonard Smith, B.A., Seattle Pacific College

IN MUSIC EDUCATION
Joan Theis Gagnepain, B.Mus. magna cum laude, Fontbonne College

IN PHYSICAL EDUCATION
Glen Harry Pollard, Jr., B.A., Sterling College

Awarded—August 29, 1969

IN EDUCATION
Mary Mody Altevogt, A.B., Washington University  
Walter Oliver Harry, B.S.Ed., Southeast Missouri State College  
Ellen Kress Brown, A.B., Washington University  
Francis Joseph Brown, A.B.Ed., Harris Teachers College  
Donald Christopher Burkhart, A.B., Cardinal Glennon College  
Charles Walter Dubeneck, A.B., Rutgers, The State University  
Grace Virginia Erramouspé, B.A. cum laude, Seattle University;  
Dipl., Sorbonne University  
Mary Elizabeth Heim Ewart, B.A., Mount Union College  
Charles Bowen Gilbert, A.B., Middlebury College; B.A., Roosevelt University  
Roy Vernon Hill, Jr., B.A., Talladega College  
Vernon Glenn Hughes, B.S.Ed., Washington University  
Horace Jackson, B.S., Tennessee Agricultural and Industrial State University  
Jeffrey Kopelow, A.B., Washington University  
Gaylord Charles Lasher, B.S. magna cum laude, Bemidji State College  
Sally Ann Roy Lubeck, A.B., Washington University; M.A.T., ibid.  
Marion Diane Manis, B.A., Southwest Missouri State College  
Meredith Kay McIntire, B.A. cum laude, Cornell College  
Horace Mitchell, A.B., Washington University  
Joan Wrenn Parmelee, B.A., The University of North Carolina at Greensboro  
Marsha Susan Poger, B.A., The University of Wisconsin  
Annette Rose Schroeder, B.S.Ed., Concordia Teachers College  
Carol Schutz Slobodin, B.A., The University of Wisconsin  
John Howard Turner, A.B., Knox College  
Barbara Weatherspoon Weeden, B.S.Mus. Ed. cum laude, Lincoln University  
Cleveland Young, Jr., A.B.Ed., Harris Teachers College  
Jean Erma Young, B.A.Ed., Wayne State University  
Lovie Jackson Young, A.B.Ed., Harris Teachers College

IN MUSIC EDUCATION
William Jacque Gray, B.Mus., Southern Illinois University  
Richard Paul Krajcovic, B.Mus.Ed., Ludwig College of Music  
Danny Ray Presgrave, B.F.A., Ohio University

IN PHYSICAL EDUCATION
Jean Louise Eberhardt, B.S.P.E., Indiana University  
Eugenia Speropoulos, B.S.Ed., Southeast Missouri State College
**MASTER OF SCIENCE IN SPEECH AND HEARING**

**Candidates—June 1, 1970**

Christine Marie Alencewicz, B.A., Jersey City State College  
Camille Gouverneur Collart, B.A., The George Washington University  
Mary Kathryn Dardas, A.B., Saint Louis University  
Barbara Jo Durso, B.A. *magna cum laude*, Jersey City State College  
Marcia Sandra Faier, B.S.Ed., Washington University  
Emma Jean Gardner, B.S.Ed., Central Institute for the Deaf  
Robin Peters Henne, B.A., University of New Hampshire  
Patricia Anne Kirkham, A.B., Indiana University  
Margaret Lynn Kloske, B.A., Allegheny College  
Darlene Ann Kustra, B.S.Ed. *magna cum laude*, University of Missouri at St. Louis  
Judith Suzanne Logan, B.A., Fontbonne College  
Marlene Rose Miller, B.S.Ed., Concordia Teachers College  
Purita Isip Pagkalinawan, B.S.Ed., Arellano University  
George O’Neill Purvis, B.A., Kentucky Southern College  
Daniel Reno Schumaier, B.S.Ed., Southeast Missouri State College  
Nancy Sue Waegel, B.S., New York University  
Janet Sue Walker, B.A., Ohio Wesleyan University  
Dee Marlene Zachariah, B.A., University of Oklahoma

**Awarded—January 21, 1970**

Ruth Lebman Geier, B.S.Ed., Washington University

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**MASTER OF MUSIC**

**Candidate—June 1, 1970**

Eulene Friesen Hieb, B.A., Bethel College

**Awarded—August 29, 1969**

Karen June Cubbage, B.A. *magna cum laude*, College of Great Falls

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**ADVANCED GRADUATE CERTIFICATE IN EDUCATION**

**Candidates—June 1, 1970**

Margaret Katherine Gaynor, B.A. *magna cum laude*, Marymount College; M.A.Ed., Washington University  
Jean Luedde Goldston, A.B.Ed., Harris Teachers College; M.A.Ed., Washington University  
Patricia Howell Mewaldt, B.A., Drew University; M.Ed., Boston University

**Awarded—August 29, 1969**

Wayne Paul Gronefeld, B.S.Ed., University of Missouri; M.A.Ed., Washington University  
Mary Patricia Higgins, A.B., Webster College; A.M., Washington University  
Thomas Martin McKenna, A.B., Saint Louis University; Ed.M., ibid.  
Edward Allen Roof, A.B., McKendree College; M.S.Ed., Southern Illinois University  
Donald Mathew Schuchardt, A.B.Ed., Harris Teachers College; M.A.Ed., Washington University
DOCTOR OF PHILOSOPHY

Candidates—June 1, 1970

IN ANATOMY
James Morris England, A.B., Lafayette College
Title of Thesis: Studies on the Growth, Differentiation and Function of Chick Embryo Sympathetic Neurons in Tissue Culture

Yamuna Krishnan Narayanan, B.S.Ed., The University of Kansas; M.A., ibid.
Title of Thesis: The Phylogenetic Relationships of the Drosophila Robusta Group

Kathleen Frank Ochs, A.B., Washington University
Title of Thesis: Energy Relations and Exploitation of Small Pond Ecosystems by Toads, as a Function of Maturity

Patricia Jean Olds, B.A. cum laude, Macalester College
Title of Thesis: A Study of Sterility in t³⁺/t³⁻ Male Mice

IN BIOLOGY
Yamuna Krishnan Narayanan, B.S.Ed., The University of Kansas; M.A., ibid.
Title of Thesis: The Phylogenetic Relationships of the Drosophila Robusta Group

Kathleen Frank Ochs, A.B., Washington University
Title of Thesis: Energy Relations and Exploitation of Small Pond Ecosystems by Toads, as a Function of Maturity

Patricia Jean Olds, B.A. cum laude, Macalester College
Title of Thesis: A Study of Sterility in t³⁺/t³⁻ Male Mice

IN CHEMISTRY
Carole Jane Courson, A.B., Washington University
Title of Thesis: The Effect of Solvent on the Reactions of 9, 10-epidimethylammonium-9, 10-dihydroanthracene Cation

Michael Eugene Russo, A.B., Washington University
Title of Thesis: A Study of the UV and Visible Spectrum of MnF₂

IN COMPARATIVE LITERATURE
Milica Ebenspanger Banjanin, A.B., Washington University; A.M., Columbia University
Title of Thesis: The City Poetry of Baudelaire: Baudelaire's Blick

Title of Thesis: The Historical Progression from the Picareseque Novel to the "Bildungswoman" as shown in El Busoon, Gil Blas, Tom Jones and Wilhelm Meisters Lehrjahre

Polly Brown Ousterhout, B.A., Baylor University; M.A., Mills College
Title of Thesis: Maeterlinck's Early Plays and the Symbolist Esthetic

IN ECONOMICS
James Bernard Burnham, A.B., Princeton University; A.M., Washington University

Title of Thesis: The Elasticity of Substitution of White for Nonwhite Labor

Roger Hall Hinderliter, B.B.A., University of Wichita; A.M., Washington University

IN EDUCATION
Ina Fitzhenry Coor, A.B., Washington University; A.M., ibid.
Title of Thesis: The Effects of Grade Level and Motivation Training on Ego Development

Earl Herman Gaulke, B.S.Ed., Concordia Teachers College; B.A., Concordia Theological Seminary; A.M., Washington University
Title of Thesis: The Psychology of the Lutheran Sunday Church School Teacher: Teacher Personality, Situational Factors, and Teaching Style

Franziska Hefti Plimpton, M.S.Ed., State University of New York
Title of Thesis: The Effects of Motivation Training upon the Origin-Syndrome

Frances Jean Shands, A.B., Vassar College; M.A.Ed., Washington University
Title of Thesis: Using Social Exchange and Language Training for Disadvantaged Children

IN FRENCH; SPANISH
Robert Clive Roach, B.S., Saint Louis University; A.M., Washington University
Title of Thesis: The Key to Rimbaud's Illuminations: Le Journal de la Jeunesse (1876)

IN GERMAN
Dieter Saalmann, B.A., Northwestern State College of Louisiana; M.A., The Johns Hopkins University
Title of Thesis: Die Symbolistische Grundlage von Rainer Maria Rilkes Die Aufzeichnungen des Malte Laurids Brüggie unter besonderer Berücksichtigung der äusseren Form des Werkes

IN HISTORY
Martin Herbert Quitt, B.A., Brandeis University; A.M., Washington University
Title of Thesis: The Virginia House of Burgesses 1660-1706: The Social, Educational and Economic Basis of Political Power

Thomas Worth Walterman, A.B., Augustana College; M.A., State University of Iowa; A.M., Washington University
Title of Thesis: Airpower and Private Enterprise: Federal-Industrial Relations in the Aeronautics Field, 1918-1926
IN MATHEMATICS
Nikolaas Johannes Hendrik Heideman, B.S.(Hons.), University of Cape Town; A.M., Washington University
Title of Thesis: Duality and Fractional Integration in the Spaces \( \mathcal{A}(B,X) \) of A.P. Calderón
Robert David Ogden, B.S., Southern Methodist University; A.M., Washington University
Title of Thesis: Harmonic Analysis on the Cone Associated with Noncompact Rotation Groups

IN MUSIC
Title of Thesis: The Piano Works of Alan Rawsthorne

IN PHARMACOLOGY
Irving Boime, B.S.Pharm., St. Louis College of Pharmacy; M.S., Purdue University
Title of Thesis: Role of Fatty Acids in Mitochondrial Changes during Liver Ischemia
James Arnold Haxby, B.A., University of Oregon
Title of Thesis: The Preparation and Properties of Immunologically Sensitive Liposomal Model Membranes

IN PHILOSOPHY
Geoffrey Wallace Brown, A.B., Whitman College; A.M., Washington University
Title of Thesis: The Concept of Psychological Abnormality: A Philosophical Analysis of its Normative Commitments

IN PHYSICS
Willis Dean Smith, B.S., Bradley University; A.M., Washington University
Title of Thesis: Ultrasonic Attenuation Measurements in III-V Semiconductors and Metals: Marginal Oscillator Ultrasonic Spectrometer Techniques
Earl Connor Swallow, A.B., Earlham College; A.M., Washington University
Title of Thesis: A Measurement of the Asymmetry Parameters for the Beta Decay of Polarized Lambda Hyperons

IN PHYSIOLOGY AND BIOPHYSICS
John Oscar Eichling, B.S., Northeastern State College; M.Engr.Phys., University of Oklahoma
Title of Thesis: The in vivo Determination of Regional Cerebral Blood Flow and Regional Cerebral Oxygen Metabolism Using Oxygen-15

IN PSYCHOLOGY
Title of Thesis: The Relationship of Creativity to Several Selected Personality Variables
Racine Darwin Brown, B.A., Wake Forest College
Title of Thesis: Emotional Expression, Interpersonal Attraction, and Rejection of a Deviate
Carolyn Joan Cline, B.A., Wellesley College; M.A., University of Cincinnati
Title of Thesis: An Investigation of Cerebral Interhemispheric Transfer in Normal and Dyslexic Children
Phyllis Ann Moenster, A.B., University of Cincinnati; M.A., ibid.
Title of Thesis: The Effect of Free Association upon Retention, as a function of Age
Jeanine Dolores Owen, B.S.Ed., Washington University
Title of Thesis: The Effects of Chlorpromazine on Performance of Schizophrenic Patients on Two Tests for Brain Damage and Related Measures
Betty Lue Unger, B.A., The University of Wisconsin
Title of Thesis: The Repression-Sensitization Scale as a Measure of Repression

IN SOCIAL WORK
Nancy Kealhofer Carroll, A.B., Washington University; M.S.W., ibid.
Title of Thesis: An Exploratory Study of Social Agency Effectiveness: The Open-System Model Applied to a Comparative, Time-Series Analysis of Selected Social Agency Performance Data
Wayne Donald Duehn, B.A., North Central College; M.S.W., Loyola University
Title of Thesis: The Patterning of Stimulus-Response Congruence and Content Relevance: A Study of Client-Worker Interaction in the Diagnostic Phase of Counseling

IN SOCIOLOGY
Ray Charles Rist, Jr., B.A., Valparaiso University; A.M., Washington University
Title of Thesis: The Socialization of the Ghetto Child into the Urban School System
Robert Joseph Sheak, Jr., A.B. cum laude, Temple University; A.M., ibid.
Title of Thesis: Social Honor and Racial Attitudes in the Working Class: A Neo-Marxist View

38
Robert Bruce Simpson, B.A., University of Wichita; B.D., Yale University Divinity School; M.A., University of California at Berkeley
Title of Thesis: A Black Church: Ecstasy in a World of Trouble

Alan Wells, A.B., University of California at Davis; A.M., Washington University
Title of Thesis: Development, Consumerism, and Television in Latin America

IN SOCIOLOGY; ECONOMICS
Title of Thesis: Development Complexity and Regional Formation in East and Southeast Asia

IN SOCIOLOGY; LATIN AMERICAN STUDIES
Brian Edward Moore, B.A., Northwestern University; A.M., Washington University
Title of Thesis: Some Working Women in Mexico City: Traditionalists and Modernists

IN SPANISH
George René de Costa, A.B., Rutgers, The State University
Title of Thesis: The Evolution of Form and Style in the Early Poetry of Pedro Prado: 1908-1926
Awards—January 21, 1970

IN ANTHROPOLOGY
Myles Hopper, B.A. cum laude, Colorado College; A.M., Washington University
Title of Thesis: Urban Experimental Cooperatives: A Comparative Study of Residential Cooperation

IN AUDIOLOGY
Title of Thesis: Auditory and Audio-Visual Reception of Words in Noise by Observers with Normal and Impaired Hearing

IN BOTANY
Raymond Fred Altevogt, A.B., Washington University
Title of Thesis: Origin and Variability of Alfalfa, A Biosystematic Survey of Perennial Medicago

IN CHEMISTRY
Judith Coburn Harris, A.B. magna cum laude, Mount Holyoke College; A.M., Washington University
Title of Thesis: Characterization of Transition States for $S_N^2$ Reactions

Ronald Lee Harris, B.S.Ed. (Hons.), East Stroudsburg State College
Title of Thesis: Synthesis and Properties of Thiabenzene Derivatives

Barnett Sylvain Pitzele, B.S. magna cum laude, The City College of New York; A.M., Washington University
Title of Thesis: Nucleoside-5'-phosphorofluoridates and (Nucleoside-5'-phosphoryl)-phosphorofluoridates: Their Syntheses and Properties

IN ECONOMICS
Richard George Bruins, B.A., Blackburn College
Title of Thesis: Federal Aerospace Procurement and Local Income: A Case Study of the Aerospace Industry in St. Louis

Allen Dobson, B.A., University of Washington; A.M., Washington University
Title of Thesis: Price Changes of Single Family Dwelling Units in Racially Changing Neighborhoods

Norman Philip Swenson, B.A., New Mexico State University; A.M., Washington University
Title of Thesis: An Economic Analysis of Federal, Timber Marketing Policies in Southeast Alaska

IN EDUCATION
Robert Edward Dunbar, B.A., University of the Americas; M.A., Jersey City State College
Title of Thesis: An Experimental Study of the Differential Effects of Certain Hierarchically Ordered Stimulus Questions Upon Subsequent Task Involvement

IN ENGLISH
Max Douglas Wolfrum, B.A., University of Missouri at Kansas City; M.A., ibid.
Title of Thesis: Responsible Failure in Melville
IN FRENCH
Ian James Winter, M.A., University of Edinburgh; Dipl. Educ., ibid.
Title of Thesis: The Evolution of the Moi in the *Essais* of Montaigne

IN HISTORY
Thomas Michael Hill, B.A. *summa cum laude*, Southeast Missouri State College;
A.M., Washington University
Title of Thesis: The Senate Leadership and International Policy:
From Lodge to Vandenber

IN PHYSICS
David Edward Hamerski, B.S., St. Mary's College; M.S., University of Minnesota
Title of Thesis: Studies of Electrical Conductivity in Organic Free Radicals
Edward Jay Hill, A.B., Grinnell College; A.M., Washington University
Title of Thesis: Spin Relaxation Studies in Stable Organic Free Radicals
Robert Elwood Turner, B.S., University of Cincinnati; M.S., ibid.;
M.A., Columbia University
Title of Thesis: Transport of High-Energy Cosmic Rays in the Interstellar Medium
William Charles Wells, B.S. *cum laude*, Union College
Title of Thesis: Extremely Heavy Cosmic Rays

IN PSYCHOLOGY
Gerald Sterling Clack, A.B., University of Missouri; A.M., ibid.
Title of Thesis: Effects of Social Class, Age, and Sex on Tests of Perception,
Affect Discrimination, and Deferred Gratification in Children
Margaret Marie Horton, A.B., University of Missouri
Title of Thesis: Verbal Discrimination Learning as a Function of
Sensory Modality of Task and Feedback Presentation
Charles Robert Ingram, Jr., A.B., Rockhurst College
Title of Thesis: Some Relationships between Brain Autoantibodies,
Visual and Auditory Short-Term Memory, and Age

IN BIOLOGY
Ernest DuBrul, B.A. (Hons.) Xavier University
Title of Thesis: The Development of the Epidermis from Normal and
Mutant (ichthyosis) Mice: Fine Structure and Cytochemistry

IN CHEMISTRY
Eugene Thomas Chulick, B.S., University of Pacific
Title of Thesis: Delayed Neutrons from *³He and *³He Induced Fission of
*²⁰⁹U, *²³²Th, and *²⁰⁹Bi and from Spontaneous Fission of *²⁵²Cf
Albert Leopold Shain, B.S., University of California at Los Angeles;
A.M., Washington University
Title of Thesis: Dynamic Effects due to Intramolecular Triplet Exciton Transfer
in the Electron Spin Resonance of the Lowest Triplet State of some
Noncoplanar Dimeric Systems

IN ECONOMICS
Stanley Stewart Wallack, A.B., Antioch College; A.M., Washington University
Title of Thesis: A Disaggregated Study of Market and Non-Market Money Wage
Changes in United States Manufacturing
IN EDUCATION
Elinor Mondale Gersman, B.A.Hist. and Gov't., Sophia University; M.S.Ed., Southern Illinois University; A.M., Washington University
Title of Thesis: Education in St. Louis, 1880-1900: A Case Study of Schools in Society
Ruth Weiss Goodman, Prof. Dipl., Baltimore Hebrew College and Teachers Training School; M.A.Ed., Washington University
Title of Thesis: Ideals of Life and Man and the Common School Theories of Moral Education for the Public Schools from Horace Mann to John Dewey
Title of Thesis: An Experimental Study of Achievement Motivation Training as a Function of the Moral Maturity of Trainees

IN ENGLISH
Richard James Collier, M.A. (Hons.), University of Edinburgh; A.M., Washington University
Title of Thesis: A Re-evaluation of the Poetry of the York Corpus Christi Plays
Mary Randle Jackson, A.B., Washington University; A.M., ibid.
Title of Thesis: A Study of the Use of Poetic Myth in the Work of William Blake from 1783 to 1794

IN GERMAN
Title of Thesis: Trakl and Hoelderlin: A Study in Influence

IN MATHEMATICS
Daniel Edward Hughes, A.B. magna cum laude, Merrimack College; A.M., Boston College
Title of Thesis: Extreme Eigenvalues of n-Dimensional Convolution Operators
Samuel Barrie Karp, A.B., Brandeis University; A.M., Washington University
Title of Thesis: Topics in the Study of Central Simple Algebras

IN MUSIC
Nancy Ordelheide Rubenstein, A.B., Lindenwood College; A.M., Washington University
Title of Thesis: A Fortran Computer Program for Transcribing Franconian Rhythm

IN PHARMACOLOGY
Jo Weinbach Seltzer, A.B., Washington University
Title of Thesis: Patterns of Enzymes Involved in Energy Metabolism of Heart and Brain During Development of the Chick Embryo

IN PHILOSOPHY
Philip Thomas Shepard, B.A., The College of William and Mary in Virginia
Title of Thesis: A Nominalistic Construal of Arithmetic

IN PHYSICS
Rodney Delbert Henry, B.S., West Liberty State College
Title of Thesis: Nuclear Magnetic Resonance Study of Solid and Liquid Neon
James Gegan Miller, A.B. summa cum laude, Saint Louis University; A.M., Washington University
Title of Thesis: Phonon-Charge Carrier Interactions in Semiconductors and Metals: Continuous Wave Ultrasonic Measurements and Techniques
George Paul Mueller, B.S.Phys., Washington University
Title of Thesis: Theory of Two-Component Mixtures of Strongly Interacting Particles

IN PSYCHOLOGY
Jean Kerz Aldag, B.S., Bradley University; M.S.Ed., Southern Illinois University
Title of Thesis: Male Nurse Interest and Personality Characteristics
John Milton Mathews, B.S.E.E., University of Missouri School of Mines and Metallurgy
Title of Thesis: Effects on Subject Suggestibility of Experimenter Prestige Under Hypnotic Induction, Task Motivated, and Waking Imagination Conditions
Hannah Kann Niedorf, Licence en Psychologie, Université de Genève
Title of Thesis: Level of Self Esteem and Type of Harm as Determinants of a Harm-Doer's Reaction to his Victim
Richard Carver Pearlestein, B.A., The University of Vermont
Title of Thesis: Relationship of Onset OR and Terminal OR to the Development of a Concept of Stimulus Duration
Edward Joseph Zneimer, B.S., University of Illinois; M.A., Temple University
Title of Thesis: Conformist, Anticonformist, and Independent Responses to Reciprocity

IN SOCIOLOGY
Title of Thesis: Drug Abuse and Social Policy in Great Britain
Martin Alan Kozloff, A.B., Washington University; A.M., ibid.
Title of Thesis: Social and Behavioral Change in Families of Autistic Children
Title of Thesis: Micro-Social Structures and Language Acquisition
Neuma Aguiar Walker, B.A., Pontificia Universidade Catolica; M.A., Boston University
Title of Thesis: The Mobilization and Bureaucratization of the Working Class in Brazil, 1930-1964

41
COMMISSIONS IN THE DEPARTMENT OF DEFENSE

The Following Candidates Have Been Presented By COLONEL JAMES FRANCIS KUDRINA, B.S., United States Army, Professor of Military Science

UNITED STATES ARMY
Issued by the Secretary of the Army

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<th>Name</th>
<th>Commission</th>
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<td>Dennis Charles Affolter</td>
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<td>Fred Steven Anton</td>
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<td>David Charles Beckmann</td>
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<td>John William Belk</td>
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<td>James Roger Black</td>
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<td>John William Brosius III</td>
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<td>Michael Kenney Cruvant</td>
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<td>Larry Robert Daves</td>
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*Second Lieutenant, Army Reserve*

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<td>Robert Gerald Eiler</td>
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<td>David Sholom Eisenberg</td>
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<td>Gary Wayne Fleming</td>
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<td>John Robert Gilbert</td>
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<td>Allen Kellogg Haines</td>
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<td>John Andrew Halloran</td>
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<td>Emil Heller Henning III</td>
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<td>Paul Fredrick Herrera</td>
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<td>George Robert James II</td>
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<td>Edwin Joseph Kohner</td>
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The Following Candidates Have Been Presented By LIEUTENANT COLONEL FRANKLIN BARRETT, M.A., United States Air Force, Professor of Air Force Aerospace Studies

UNITED STATES AIR FORCE
Issued by the Secretary of the Air Force

<table>
<thead>
<tr>
<th>Name</th>
<th>Commission</th>
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<tr>
<td>James Joseph Walsh</td>
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*Second Lieutenant, Regular Air Force*

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<th>Name</th>
<th>Commission</th>
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<tr>
<td>John Alan Filcoff</td>
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<td>Robert Merlin Garrett</td>
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*Second Lieutenant, Air Force Reserve*

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<th>Name</th>
<th>Commission</th>
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<td>Jan Edmund Mabie</td>
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<td>Glen Eugene Martin</td>
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<td>Phillip Carl McCurdy</td>
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<td>Richard Frederick O'Hair</td>
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*Distinguished Military Graduate, Army ROTC*

**Distinguished Military Graduate, Air Force ROTC**
PRIZES, AWARDS AND HONORS

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

Academy of American Poets Prize in English, David van Cleave Lincicome
Antoinette Frances Dames Award for Productive Scholarship:
in Music, Michael David Fleming
in Political Science, Carolyn Teich Adams, Karen Smith Dawson,
Gayle White Jackson, Richard Charles Regnery
in Speech and Hearing, Judith Suzanne Logan, Norman Phillip Erber
Dramatics Club Prize, Gary Harold Feder
Honorable Mention, Frank Bruce Ford, Ronald Jay Gould, Christopher Maxwell Outwin
F. Ward Denys Prize in English, Elissa Mendales
Honorable Mention, Richard Eric Holmer
J. Walter Goldstein Prize in History, Steven Ira Saltzman
Roger Consant Hatch Prize in English, Robert Rosenberg
Arnold J. Lien Prize in Political Science, Frederick Mark Kuhlmann
Norma Lowry Memorial Fund Prize, Margaret Movshin Criscuola, Patrick Karl Mehe
Ernest L. Ohle Award in Earth Sciences, Tony Lee Cooley
John C. Sowden Memorial Prize in Chemistry, Gary John Ehrhardt, James Martin Farrar
Shirley McDonald Wallace Prize in History, Elizabeth Condit White

THE SCHOOL OF ENGINEERING AND APPLIED SCIENCE
Applied Mathematics and Computer Science Departmental Award, Jerry Smith
Ade H. Winheim American Chemical Society Award, David Wright Johnson
American Institute of Chemical Engineers Award, Wishwa Nath Kapoor
American Society of Civil Engineers Award, Charles William Kilner III
Laclede Steel Award, Janet Menzel Lenz
Sweetser Award, James Joseph Walsh
Century Electric Award, Ravi Kumar Bhola
Emerson Electric Award, David Alan Hume
Institute of Electrical and Electronics Engineering Outstanding Student Award, David Alan Hume
St. Louis Electrical Board of Trade Student Award, David Harold Lee
American Society of Heating Refrigeration and Air-Conditioning Engineers Award, Sam Richard Cardinale, Jr.
Olin Summer Project Grant, Bach Thien Vu
American Society of Mechanical Engineers Student Chapter Service Award, Daniel Perry Biggs
Antoinette Frances Dames Award for Productive Scholarship, Janet Menzel Lenz and Ronald Paul Lang
Joe B. Butler Memorial Award of the Missouri Society of Professional Engineers for an Outstanding Junior, Richard Gene Sepmeyer
Hamilton Watch Award, Linda Yvonne Waring
Missouri Society of Professional Engineers Wives Scholarship, Wendy Carol Smith
Institute of Electrical and Electronics Engineering Outstanding Student Award, David Alan Hume
St. Louis Electrical Board of Trade Student Award, David Harold Lee
American Society of Heating Refrigeration and Air-Conditioning Engineers Award, Sam Richard Cardinale, Jr.
Olin Summer Project Grant, Bach Thien Vu
American Society of Mechanical Engineers Student Chapter Service Award, Daniel Perry Biggs
Antoinette Frances Dames Award for Productive Scholarship, Janet Menzel Lenz and Ronald Paul Lang
Joe B. Butler Memorial Award of the Missouri Society of Professional Engineers for an Outstanding Junior, Richard Gene Sepmeyer
Hamilton Watch Award, Linda Yvonne Waring
Missouri Society of Professional Engineers Wives Scholarship, Wendy Carol Smith

THE SCHOOL OF ARCHITECTURE
Association of Women in Architecture and Allied Arts, Young-Hie Nahm
Alpha Rho Chi Medal, James Francis Meredith
American Institute of Architects Medal and Certificate, Howard Pichon Maginniss
American Institute of Architects Certificate, Laurence Edward Dieckmann
Producers' Council Award, David Valentine Kromm
Frederick Widmann Prize in Architecture, Young-Hie Nahm

Final Honors
Howard Pichon Maginniss Thomas Morton Rauch, Jr. Pat Lee Spector

THE SCHOOL OF ARCHITECTURE

Final Honors
Gregory Walter Horndeski Janet Menzel Lenz Charles Edgar Simmons
David Wright Johnson Paul Walter Schmidt Jerry Smith
David Harold Lee Linda Yvonne Waring

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THE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION
AND THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

Alpha Kappa Psi Award, James Edward Kelly
Alexander Grant Award, Donald Edward Klamon
American Society of Women Accountants Award, Mercedes Menendez Martinez
Bache and Company, Incorporated Award, Jack Douglas Becker
Max A. Hayutin Honorary Award, Keith Allen Schmidt
Elmer G. Kiefer Scholarship, Rosalind Bartling Beaasley
William S. Krebs Accounting Award, James Michael Patton
Isidore Loeb Prize, Michael Henri Covert
J. C. Penney Store Manager's Scholarship, Guy Felton Baughns
Wall Street Journal Student Achievement Award, Nancy Jane Dobak

Final Honors

Linda Louise Brown
Nancy Jane Dobak

THE SCHOOL OF CONTINUING EDUCATION

Final Honors

George Lester Bigby
Robert Morris Blumer
Milton Bernard Bossch
Sandra Agnes Brown
Rivalie Sideman Cohn
Nancy Jane Davis

Irene Margaret Eveland
Patricia Fuller Gatlin
Dianne Fisher Ladendecker
Donald Ray Moneymaker
Denis Eugene Oross
Patricia James Paden
Robert Richard Reid

THE SCHOOL OF FINE ARTS

Caroline Risque Prize in Sculpture, Cynthia Hess
Waldo P. Johnson Memorial Award in Book Design, Daniel James King
Lillie Elise Willemsen Prize, Lierka Antonia Pershe

THE GEORGE WARREN BROWN SCHOOL OF SOCIAL WORK

Final Honors

Timothy Walter Brunn
Virginia Coiner Classick
Mary Gordon Coiner

Patricia Ann Everett
Edward Michael Koalin
Donald Milo Lopnow

THE SCHOOL OF DENTISTRY

Awards were given at special ceremonies in Steinberg Hall on the evening of May 30.

THE SCHOOL OF MEDICINE

Medical Fund Society Prize in Medicine, Stanley John Vogel
Sidney I. Schwab Prize in Neurology, Paul Cooper Simpson, Jr. and Marilyn Agnes Mollman
Sidney I. Schwab Prize in Psychiatry, Paul Cooper Simpson, Jr. and Mark John Castellanet
Sandoz Award in Psychiatry, Claude Robert Cloninger
Alpha Omega Alpha Book Prize, Paul Cooper Simpson, Jr.
George F. Gill Prize in Pediatrics, Marc Weissbluth
St. Louis Pediatric Society Prize, William Thomas Shearer and Marilyn Barnard Escobedo
Upjohn Achievement Award, Michael John MacDonald
Mosby Scholarship Book Awards; Bruce Harlan Becker, Robert Isaac Birns, Robert Charles Brasch, William Stanton III and William Albert Blattner
The Lange Medical Publications Book Awards, Michael Stuart Milder and Neil Steven Alex
Alexander Berg Prize, William Thomas Shearer
American Medical Women's Association Award, Marilyn Agnes Mollman
The Huey M. Wilson Award in Radiology, William Vincent Glenn, Jr.
The Samuel D. Soule Award in Obstetrics and Gynecology, Steven Alfred Kotner
Missouri State Medical Association Award, Alexander Lewis Miller
The Joseph J. Gitt and Charlotte E. Gitt Prize, Stephen Allen Kamenetzky
Bronfenbrenner Award, Kathryn Kinlock Flake
The Robert Carter Medical School Prize, Toby Lee Simon
The Dr. Richard S. Brookings Medical School Award, Scott George Hickman
The Borden Undergraduate Research Award, William Vincent Glenn, Jr.

44
HONORARY DEGREES

DOCTOR OF ARTS

CHARLES EAMES, designer, architect and film-maker. Mr. Eames has been widely acclaimed for his innovative furniture designs and his imaginative use of plastics. He designed the theatre and multi-screen film, "House of Science," for the United States Government at the Seattle World's Fair and the IBM Pavilion at the New York World's Fair, as well as the exhibit on Nehru shown in India, New York, London, Washington, and Los Angeles. In 1940, in collaboration with Eero Saarinen and Ray Kaiser, he won his first prize in the Museum of Modern Art's Organic Furniture Competition for the completely new techniques of bonding metal to wood and creating compound curvature of moulded shells. He had his first One-Man Furniture Show at the Museum of Modern Art in 1946. Mr. Eames received a scholarship to study architecture at Washington University. Recently elected a fellow of the American Academy of Arts and Sciences, he received an Alumni Citation in 1958.

DOCTOR OF HUMANE LETTERS

JOSEPHINE JOHNSON CANNON, author. Mrs. Cannon won the 1934 Pulitzer Prize with her first novel, *Now in November*. Her newest book, *The Inland Island*, is receiving wide acclaim. She is the author of four other novels, a book of poetry, two collections of short stories, and numerous contributions to anthologies. Mrs. Cannon has demonstrated a social conscience which all her life has driven her to battle against injustice. In the thirties she was in the midst of the struggle to help evicted sharecroppers in Southeast Missouri. As a volunteer social worker, she went to Kinloch, Missouri, to write a series of newspaper articles about the conditions of the black people there. A few years ago, she and her husband mastered a method of teaching illiterates to read and taught at a Freedom School in Tennessee. She attended Washington University from 1928 to 1933 and received an Alumni Citation in 1955.

DOCTOR OF LAWS

C. DOUGLAS DILLON, financier and former government official. He was Secretary of the Treasury from 1961 to 1965 and, before that, served as Ambassador to France, 1953-1957; Undersecretary of State for Economic Affairs 1958-59; Undersecretary of State, 1959-60. He is President of the U.S. and International Securities Corporation, of which he was a director from 1937 to 1953. From 1931 to 1936 Mr. Dillon was a member of the New York Stock Exchange. He was Vice President of Dillon Reed and Company from 1938 to 1953, and Chairman of its Board from 1946 to 1953. He is president of the Metropolitan Museum, and Chairman of the Board of Overseers of Harvard College. During World War II, he served in the U.S. Navy and was awarded the Legion of Merit and the Air Medal.

LEONARD HALL, conservationist, natural historian, and author. Mr. Hall has devoted his lifetime to conservation and nature study. For the past twenty-five years he has lived near Caledonia, Missouri, on the Possum Trot Farm, which he has made famous through his bi-weekly column in the *St. Louis Globe-Democrat*. His columns have covered natural history, conservation, wildlife, agriculture, and country living. He has written on these subjects for many national publications and is the author of four books. He has also produced wildlife and nature films in color with sound recorded from nature. A high point in Mr. Hall's conservation career was the preservation of the Current and Jack's Fork rivers. When the Ozark National Scenic Riverways was created in 1964, designating the Current as America's first national river to be administered by the National Park Service, much credit was given to him by federal officials.

WHITNEY MOORE YOUNG, JR., social work educator and administrator. Mr. Young has won national recognition in the field of social work as teacher, dean, executive director, and government adviser. He was educated at Kentucky State College, the University of Minnesota, Massachusetts Institute of Technology, and Harvard University. He served as industrial relations and vocational guidance director for the St. Paul Urban League, executive secretary of the Omaha Urban League, and Dean of the School of Social Work at Atlanta University. He has been executive director of the National Urban League since 1961. He has served on the President's Commission on Law Enforcement and Administration of Justice, the Council of the U.S. Office of Economic Opportunity, and the advisory board of Columbia University's School of Social Work. In 1969 he received the Medal of Freedom, the nation's highest civilian award.
DOCTOR OF LETTERS

LIEN-SHENG YANG, sinologist, historian, and educator. Professor Yang has been frequently referred to as a “professor’s professor”. His scholarship is in the best tradition of Chinese encyclopedism. Born in China, he is now a naturalized United States citizen. He is a graduate of China’s Tsing Hua University and has master’s and doctor’s degrees from Harvard University. He has been a member of the faculties of both Harvard and Yale, and has served as a linguistic research specialist for the United Nations. He has been Harvard-Yenching Professor of Chinese History since 1965. Dr. Yang is a member of the editorial board of the Harvard Journal of Asiatic Studies and has served on the board of directors of the Association for Asian Studies. In 1957, he was awarded the Republic of China’s Gold Medal for achievement in the humanities.

DOCTOR OF MUSIC

JEAN BROWNING MADEIRA, opera singer. Mrs. Madeira has won world fame for her performances of lieder and operatic arias and for her interpretation of leading operatic roles. During her career, she has sung in every major opera house in the world. Before becoming a regular member of the Metropolitan Opera Company, she was a contralto with the San Carlo Opera Company. Although she is best known for her interpretation of the title role in Carmen, she has won acclaim for her performances in Aida, Il Trovatore, The Masked Ball, Elektra, Salome, and many other operas. She has also appeared on the concert stage and on radio and television. She has received a St. Louis Woman of Achievement Award and an Alumni Citation from Washington University.

DOCTOR OF SCIENCE

JAMES BARRETT BROWN, plastic surgeon and educator. Dr. Brown attended Washington University both as an undergraduate and as a medical student. He has spent his entire career in St. Louis, becoming Professor Emeritus of Clinical Surgery at Washington University School of Medicine in 1968. For many years, he headed the University’s Division of Plastic Surgery, building a division of outstanding plastic surgeons. Dr. Brown is recognized as one of the greatest, if not the greatest plastic surgeon of his time. He served as a colonel in the Army Medical Corps from 1942 to 1946 and was Senior Consultant Plastic Maxillofacial Surgery and Burns for the European Theatre. Subsequently, he served as Chief Consultant in Plastic Surgery for the Surgeon General. He is past vice president of the American College of Surgeons and past president of the American Association of Plastic Surgeons.

JOHN HILTON KNOWLES, physician and medical administrator. Dr. Knowles has been associated since 1951 with Massachusetts General Hospital and has been its general director since 1962. During that time, he has been on the teaching staff of Harvard School of Medicine. He received his bachelor’s degree from Harvard University and the M.D. from Washington University. He served a United States Public Health Service postdoctoral fellowship in physiology at the Universities of Rochester and Buffalo. Dr. Knowles is a Fellow of the American College of Physicians and American Academy of Arts and Sciences. He is the author of several works on physiology and on hospitals and medical education.

EARL W. SUTHERLAND, JR., medical scientist and educator. Dr. Sutherland is one of the nation’s great biological scientists. His greatest contribution is the discovery of the molecule cyclic AMP, which is one of the major regulators of the chemical processes that take place within the cell. Dr. Sutherland’s work has shown that cyclic AMP is involved in the action of adrenaline and caffeine and in many hormones. After receiving the M.D. from Washington University in 1942 and interning at Barnes Hospital, he remained on the faculty of the University’s School of Medicine until 1953. He subsequently moved to Western Reserve University, where he headed the Department of Pharmacology for ten years. In 1963, he joined the faculty of Vanderbilt University as Professor of Physiology. He is a member of the National Academy of Sciences and the American Association for the Advancement of Science.