

6-9-1972

1972 Commencement for Jefferson Medical College, College of Graduate Studies, and College of Allied Health Sciences

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148th
COMMENCEMENT



*Jefferson Medical College
College of Graduate Studies
College of Allied Health Sciences
of
Thomas Jefferson University*

1824-1972

*Friday, June Ninth
Nineteen Hundred and Seventy-Two
Half Past Ten O'clock*

The Academy of Music

PROCESSIONAL Trumpet Voluntary JOHN STANLEY
Trumpet Voluntary in D PURCELL

THE NATIONAL ANTHEM

INVOCATION REVEREND FREDERICK MANNING BROOKS
Church of the Saviour

CONVOCATION
Opening Remarks PETER A. HERBUT, *President*

CONFERRAL OF DEGREES IN COURSE PRESIDENT HERBUT
Doctor of Philosophy
Presented by ROBERT C. BALDRIDGE, *Dean*
College of Graduate Studies

Doctor of Medicine
Presented by WILLIAM F. KELLOW, *Dean and Vice President*
Jefferson Medical College

The Oath of Hippocrates GONZALO E. APONTE, *Professor of Pathology*
and *Chairman of the Department*,
Jefferson Medical College

Master of Science
Presented by DEAN BALDRIDGE

Bachelor of Science
Presented by JOHN W. GOLDSCHMIDT, *Dean*
College of Allied Health Sciences

CONFERRING OF HONORARY DEGREES PRESIDENT HERBUT

JOSEPH LEES EASTWICK, *Life Trustee*, Thomas Jefferson University, **Doctor of Laws**
Presented by: WILLIAM POTTER WEAR, *Life Trustee*, Thomas Jefferson University

JOHN BARRICK MONTGOMERY, *Emeritus Professor of Obstetrics and Gynecology*,
Jefferson Medical College, **Doctor of Pedagogy**
Presented by: ROY G. HOLLY, *Professor of Obstetrics and Gynecology and Chairman of the*
Department, Jefferson Medical College

DAVID M. DAVIS, *Emeritus Professor of Urology*, Jefferson Medical College, **Doctor of Science**
Presented by: ANDREW J. RAMSAY, *Professor of Anatomy and Chairman of the Department*,
Jefferson Medical College

GEORGE ALEXANDER HEARD, *Chancellor of Vanderbilt University*, **Doctor of Medical Science**
Presented by: WILLIAM W. BODINE, JR., *Chairman, Board of Trustees*, Thomas Jefferson University

ADDRESS GEORGE ALEXANDER HEARD

BENEDICTION REVEREND BROOKS

RECESSIONAL Pomp and Circumstance ELGAR

W. ERNEST WELLS, *Organist*

Marshal

ANDREW J. RAMSAY

Faculty Marshals

ROBERT P. GILBERT

SAMUEL S. CONLY, JR.

Student Marshals

NORMAN REED WEST

J.M.C.
C.G.S.

DONALD LELAND STRABLE

C.A.H.S.

FRANCES J. SWEENEY, JR.

PAUL SMEY
J.M.C.

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 8, 1972

The Christian R. and Mary F. Lindback Awards for Distinguished Teaching to NORMAN LASKER, B.S., M.S., M.D., Associate Professor of Medicine and WOLFGANG H. VOGEL, B.S., M.S., Ph.D., Associate Professor of Pharmacology.

The Albert Strickler Memorial Prize for the best essay on Cancer, to a Senior Student. Award given by Mrs. Albert Strickler.

IRWIN JOEL HOLLANDER

The Henry M. Phillips Prize for the graduate who is most worthy. Awarded upon the recommendation of the Professor of Medicine.

FRED DAVID LUBLIN

With Honorable Mention of: FRANCIS JOHN BRACONARO

Practice Prize for the best essay on a subject pertaining to the Practice of Medicine. A Gold Medal, awarded by bequest of Dr. Francis W. Shain.

GENE HOWARD GINSBERG

With Honorable Mention of: MYLES K. KRIEGER

Clinical Surgery Prize for general excellence in Clinical Surgery. A Gold Medal, awarded in memory of Francis Torrens Stewart, Professor of Surgery, the Jefferson Medical College, 1910-1920.

RICHARD LEONARD FIEO

With Honorable Mention of: SANFORD FITZIG

Solomon Solis-Cohen Memorial Prize for the best essay in the field of Clinical Medicine by a member of the Senior Class. Award given by members of the family in memory of Professor of Clinical Medicine, Emeritus, S. Solis-Cohen.

RICHARD P. SCHWARTZ

With Honorable Mention of: ANTHONY JOSEPH CALABRESE

Gynecology Prize to a Senior Student for the best examination, thesis and general excellence in Gynecology. Award given by Mrs. Albert Strickler in memory of Professor of Obstetrics and Gynecology, Emeritus, Lewis C. Scheffey, M.D.

CHERYL RIVA ZARET

With Honorable Mention of: MARSHA JOY FISHBANE

Orthopaedic Surgery Prize for general excellence in Orthopaedic Surgery. Award given by Professor John J. Gartland, M.D.

SCOTT HERBERT JAEGER

With Honorable Mention of: ALEX BERT JUHASZ

Urology Prize for excellence in Urology during the Junior and Senior Years, including preparation of reports of in and out patients, examinations and final summary of work. Award given in memory of Dr. Theodore R. Fetter, The Nathan Lewis Hatfield Professor of Urology.

STANLEY JULES GOLDBERG

With Honorable Mention of: WILLIAM MICHAEL WIXTED

The Henry Keller Mohler Memorial Prize to the Senior Student manifesting the greatest aptitude and interest in the general field of Therapeutics. Award given by Mr. Jesse Hubschman in memory of his wife, Natalie, to honor Henry Keller Mohler, M.D.

LAWRENCE RUDOLPH SCHILLER

With Honorable Mention of: HOWARD ELLIOT PITCHON

The Lowell Ashton Erf Prize to the Senior Student demonstrating seriousness of purpose, aptitude and ability in the field of Medicine. Award given by Mrs. Erf in memory of her husband, Lowell Ashton Erf, M.D.

NORMAN WILLIAM LINDENMUTH

With Honorable Mention of: PHILIP CHARLES HOFFMAN

Psychiatry Prize to the Senior Student writing the best thesis on Psychiatry.

RICHARD JOSEPH BONANNO

With Honorable Mention of: JEFFREY ALLAN MATTES

S. MacCuen Smith Memorial Prize to the member of the Senior Class judged most worthy of recognition for ability in the field of Otolaryngology. A Gold Medal given by Mrs. Stuart Lodge Bullivant in memory of her father.

CRAIG THOMAS HAYTMANEK
With Honorable Mention of: MYLES K. KRIEGER

The Carroll R. Mullen Memorial Prize in Ophthalmology to the Senior Student who has received the highest grade in Ophthalmology.

CHERYL RIVA ZARET
With Honorable Mention of: ROSALIE KATHRYN MARINARI

Obstetrics and Gynecology Prize to a Senior Student for the best examination, thesis and general excellence in Obstetrics and Gynecology during the entire curriculum. Award given by Mrs. Sarah George Miller in honor of Professor of Obstetrics, Emeritus, John B. Montgomery, M.D.

NORMAN WILLIAM LINDENMUTH
With Honorable Mention of: CHARLES EDWARD RHODES

The Baldwin L. Keyes Prize in Psychiatry to the Senior Student considered most worthy by the Department of Psychiatry. Award given in honor of Professor of Psychiatry, Baldwin L. Keyes, M.D., Sc.D., Emeritus.

STEVEN ALLEN AGER

William Potter Memorial Prize to that graduate attaining the highest general average in the final years of the medical course. Award given from a bequest of Mrs. Adaline Potter Wear, offered to encourage excellence in the clinical branches of medicine.

FRED DAVID LUBLIN

Alumni Prize for the highest cumulative academic record. A Medal awarded by the Alumni Association.

FRED DAVID LUBLIN

Louis B. Swisher, Jr. Memorial Prize to a Senior Student who has shown general excellence in the field of Anesthesiology. Awarded upon the recommendation of the Professor of Anesthesiology.

DENNIS JAMES CLERI

The Philip J. Hodes Radiology Award to the Senior Medical Student displaying outstanding aptitude and interest in Radiology.

BARBARA FOWBLE DANOFF

The Lange Medical Publications Prizes to each of two outstanding Senior Students. A gift of four Lange Publications books.

FRANCIS JOHN BRACONARO and ARTHUR ALFRED KUNKLE, III

W. B. Saunders Company Prize to the student who has attained the highest scholastic average for the Senior Year. Medical Publications.

GAIL ANTOINETTE TENIKAT

The C. V. Mosby Company Prizes. Awarded to five outstanding graduates.

HOWARD ELLIOT PITCHON
MARTIN J. FLIEGELMAN
WILLIAM LLOYD BRESSLER
WILLIAM JOSEPH THOMAS, JR.
PHILIP CHARLES HOFFMAN

The Richard W. Foster Prize to an outstanding student. Awarded for the purchase of books at the Rittenhouse Book Store.

JAMES WILSON REDKA

Upjohn Achievement Award to be given to a Senior Medical Student who shows outstanding all-around achievement in Clinical proficiency.

NORMAN WILLIAM LINDENMUTH

Janet M. Glasgow Memorial Scholarship Award of the American Medical Women's Association, Inc., awarded to women who have exhibited outstanding achievement in Clinical proficiency.

KAREN MOSS LICHTENFELD and BARBARA FOWBLE DANOFF

The Charles LaBelle Prize for an outstanding candidate for the degree of Doctor of Philosophy. Award given by Mrs. LaBelle and family in memory of her husband, Charles W. LaBelle, Ph.D., Assistant Professor of Preventive Medicine (Environmental Hygiene). Given on May 25, 1972, at a meeting of the College of Graduate Studies.

HARVEY RICHARD SCHLESINGER

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

LUCILLE FAYETTE ABAIDOOPhiladelphia, Pa.
DONNA THERESA GUERRERABroomall, Pa.
WENDY WEN-IN HOPhiladelphia, Pa.

ROBERT MERRILL HULLMardela, Md.
M. EDWARD SHLAIFERUpper Darby, Pa.

GEOGRAPHICAL RECAPITULATION

Jefferson Medical College
Pennsylvania 128
Other States and U. S. Possessions 61
Foreign Countries 1
TOTAL 190

The foregoing additions bring the total number of Graduates to 21,859.

The College of Graduate Studies
Pennsylvania 16
Other States 3
Foreign Countries 3
TOTAL 22

The foregoing additions bring the total number on the list of Graduates to 219.

DOCTOR OF LAWS—JOSEPH LEES EASTWICK

Joseph Lees Eastwick was graduated from Cornell University in 1919 and immediately entered the business world as Treasurer of James Lees and Sons Company. In 1938 he became President of the company and from 1960 to 1970 was Chairman of the Board.

His talents in management and business have brought him directorships of numerous companies and corporations, including the Budd Company, General Accident Fire and Life Assurance Corporation, Ltd., Pennsylvania General Life Company, and the Central Penn National Bank.

Long interested in education and health care, he is a member of the Board of Trustees of Ursinus College and Thomas Jefferson University. He also serves as an advisor to his alma mater—Cornell University. Mr. Eastwick was awarded the honorary degree of Doctor of Laws by Ursinus College.

He served in the Army of the United States in World War I as a First Lieutenant of Field Artillery. During World War II he was active in the American Red Cross serving as Chairman of the fund raising committee in Montgomery, Delaware, Bucks, and Chester Counties.

Mr. Eastwick was appointed a life trustee of Jefferson Medical College in 1943 and continues his many years of faithful and distinguished service to the institution as a Trustee and member of the College Committee.

DOCTOR OF PEDAGOGY—JOHN BARRICK MONTGOMERY

A Pennsylvanian by birth, Dr. Montgomery prepared for the study of medicine at Juniata College, receiving the A.B. degree in 1921. After attending the Graduate School of the University of Pennsylvania he entered Jefferson Medical College, graduating with the M.D. degree in the Class of 1926.

Following internship at Jefferson Hospital, Dr. Montgomery became private assistant to Dr. Brooke M. Anspach. He rose rapidly in faculty and professional ranks to Professor of Obstetrics and Gynecology at Jefferson Medical College and to Co-Chairman, and then Chairman, of that Department. He held this position until his retirement in 1965 when he advanced to Emeritus Professor and Emeritus Attending Obstetrician and Gynecologist. He is also Emeritus Director of the Department of Obstetrics and Gynecology at the Methodist Hospital in Philadelphia, Consulting Obstetrician and Gynecologist to the Bryn Mawr Hospital, and former Consulting Obstetrician and Gynecologist to the Germantown Hospital.

Dr. Montgomery is a most effective teacher both in the classroom and at the bedside, having influenced the lives of some seven thousand students by his abiding dedication to Humanism in Medicine and by his life-long personification of the highest ideals of his profession. The esteem in which his students hold Dr. Montgomery determined their choosing him as a subject of their traditional Senior Class Portrait (Class of 1965) and by their selecting him, in 1964, to receive the Christian R. and Mary F. Lindback Award for Distinguished Teaching. Dr. Montgomery's honors are many, including honorary degrees. He is a Past President of the Alumni Association of Jefferson Medical College and generously contributes of himself as Trustee of educational and medical institutions.

The deliberations of numerous professional medical societies and associations, at local, state, and national levels have been enhanced by Dr. Montgomery's dynamic participation. His widely recognized contributions to the medical literature on topics relating to advances in diagnosis and treatment of the diseases of women have appeared in professional journals, textbooks, and addresses.

Dr. Montgomery continues in active professional practice and remains clearly a leader among the most highly respected, loyal and active members of the Nation's largest medical Alumni body, that of Jefferson Medical College.

DOCTOR OF SCIENCE—DAVID M. DAVIS

David M. Davis, M.D., Emeritus Professor of Urology, was born in 1886 in Buffalo, New York. Following graduation from Princeton University (B.S., 1907), he attended Johns Hopkins University School of Medicine, receiving the M.D. degree in 1911 with Phi Beta Kappa and Alpha Omega Alpha honors. He served his internship and residency in Baltimore and, preparing for a career in scientific medicine, took advanced studies in chemistry in Germany.

His academic career started at Johns Hopkins in 1912 as Assistant in Pathology, then as Pathologist and Director of Research of the famous Brady Urologic Institute. He became an Assistant Professor of Surgery in charge of Urology at the University of Rochester School of Medicine and Dentistry. He returned to the Hopkins and then spent five years in Tucson, Arizona, as Visiting Urologist at the Desert Sanitarium before assuming, in 1935, the Chair in Urology at Jefferson Medical College as the Nathan Lewis Hatfield Professor of Urology and as Urologist in Chief, Jefferson Hospital. He advanced to Emeritus Professor of Urology and Visiting Urologist upon retirement as Chairman of the Department of Urology in 1951. Continuing his professional activities, he was then appointed Visiting Lecturer at the Graduate School of Medicine of the University of Pennsylvania and Consultant in Urology at the Bryn Mawr Hospital.

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- STEPHAN HARRIS WHITENACK (Anatomy) Bedford, N. Y.
Thesis: "Intravasation of Fat from the Tibial Marrow Cavity in Experimental Fat Embolism."
- GLENN CHARLES VAN TUYLE (Biochemistry) Trevese, Pa.
Thesis: "Isolation and Characterization of a Membrane-DNA-nascent-RNA Complex from Rat Liver Mitochondria."
- DAVID HERBERT MUCH (Microbiology) Chester, Pa.
Thesis: "A Study on the Virus of Epizootic Diarrhea of Infant Mice: Purification and Characterization of the Etiologic Agent."
- ROGER PAUL ORCUTT (Microbiology) Dunkirk, N. Y.
Thesis: "Biodynamics of the Murine Gastrointestinal Microbiota."
- HARVEY RICHARD SCHLESINGER (Microbiology) Hazleton, Pa.
Thesis: "Studies on Entry of Coxsackievirus B3 into Hela Cells."
- MIROSLAW A. BELEJ (Pharmacology) Philadelphia, Pa.
Thesis: "Studies on the Biologic Disposition of Dibromodulcitol."
- BRUCE PHILIP GREENBERG (Pharmacology) Philadelphia, Pa.
Thesis: "Taurine Metabolism in Mice."
- UWE CHRISTIAN KOEPKE (Pharmacology) Poughkeepsie, N. Y.
Thesis: "The Influence of Paraoxon on the Action of Chloral Hydrate."
- WILLIAM MARK TROETEL (Pharmacology) Secane, Pa.
Thesis: "Pharmacological Studies on 5-Azacytidine, a New Antineoplastic Agent."
- KODWO J. RAPHAEL ABAIDOO (Physiology) Ghana, W. Africa
Thesis: "Studies of an Inhibitor to Human Urinary Erythropoietin in Tissue Homogenates."
- DOMINIC ERIC CASTRIGNANO (Physiology) Wilkes-Barre, Pa.
Thesis: "Influence of Antibiotics on Intestinal Cellular Renewal."
- WILLIAM INNES FORBES, III (Physiology) Philadelphia, Pa.
Thesis: "Electrophysiologic Study of Auditory Detection Thresholds and Threshold Discrepancies."
- CAROLINE HELEN HOLLSHWANDNER (Physiology) Darby, Pa.
Thesis: "The Nature of the Chewing Process and the Triggering of the Swallowing Mechanism."
- STEPHEN NYAGA KIMANI (Physiology) Kenya, E. Africa
Thesis: "The Effects of Intracerebral Ablations on Gastric Secretion during Insulin-Induced Hypoglycemia."
- PANAYOTIS ADAM ASSIMAKOPOULOS (Physics) Athens, Greece
Thesis: "Doppler Shift Lifetime Measurements in Titanium-46 and Chromium-50." (In Absentia)

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

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| GERALD GARY ABELOW Trenton, N. J. | DENNIS JAMES CLERI Brooklyn, N. Y. |
| SAMUEL K. ACKERMAN New York, N. Y. | PAUL SYDNEY COHEN Longport, N. J. |
| STEVEN ALLEN AGER New York, N. Y. | MARY E. CONNELLY Milton, Mass. |
| ROSE MARY ANDRIES Norristown, Pa. | HARRY S. COOPER Philadelphia, Pa. |
| PAUL ANTHONY ANDRULONIS Kingston, Pa. | JOEL I. COSSROW Philadelphia, Pa. |
| NICHOLAS HOWARD BANCKS Philadelphia, Pa. | HAROLD PAUL CRISSINGER Gratz, Pa. |
| MICHAEL BRUCE BARON Ridgefield, N. J. | PAUL MACLYN DAINER Union, N. J. |
| JOEL DAVID BASKOFF Levittown, Pa. | ANNA MARIE B. D'AMICO Conshohocken, Pa. |
| ROBERT CY BECKERMAN Carlisle, Pa. | BARBARA FOWBLE DANOFF Towson, Md. |
| ALBERT JAMES BEHREND Philadelphia, Pa. | CYNTHIA LEE DAVID Hollis Hills, N. Y. |
| CAROLYN ETHEL BEKES Marlton, N. J. | STUART MARC DEGLIN Philadelphia, Pa. |
| RICHARD TRENT BELL Westmont, N. J. | ANTHONY PHILIP DE NOIA Maplewood, N. J. |
| WALLACE FREDERICK BENJAMIN Scranton, Pa. | PHILIP JOHN DIGIACOMO, JR. Strafford, Pa. |
| GARY WILLIAM BERGER Medford Lakes, N. J. | RICHARD ALBERT DOERING River Edge, N. J. |
| LAWRENCE DAVID BERNSTEIN Springfield, Pa. | RICHARD MATTHEW DONNER Wilmington, Del. |
| LOUIS CHARLES BLAUM, JR. Wilkes-Barre, Pa. | RODNEY D. DORAND Philadelphia, Pa. |
| JAMES PAUL BLORE, JR. Media, Pa. | MICHAEL THOMAS DOTSEY Bala-Cynwyd, Pa. |
| RICHARD JOSEPH BONANNO Caldwell, N. J. | STEVEN ALAN DOWSHEN Levittown, Pa. |
| WILLIAM DOUGLAS BOSWELL, JR. Harrisburg, Pa. | PHILIP JOSEPH DUPONT, JR. West Hartford, Conn. |
| FRANCIS JOHN BRACONARO Springfield, Pa. | GREGORY JOHN EDINGER Easton, Pa. |
| GERALD LEE BRAVERMAN Philadelphia, Pa. | ROBIN ANNE EDWARDS New York, N. Y. |
| RICHARD EVERALL BRENNAN Sharpsville, Pa. | ALEXANDER EVAN EHRLICH Brooklyn, N. Y. |
| WILLIAM LLOYD BRESSLER State College, Pa. | MICHAEL LOUIS EISEMANN Pompton Lakes, N. J. |
| JAMES A. BROOKS, JR. Philadelphia, Pa. | MARTIN M. FENSTER McKeesport, Pa. |
| CHRISTOPHER LEE BROWN Fair Haven, N. J. | RICHARD LEONARD FIEO Drexel Hill, Pa. |
| WILLIAM HENRY BRUBAKER Denver, Pa. | RICHARD CRAIG FIORELLI Waltham, Mass. |
| MARY FRANCES BUECHLER Hampton Falls, N. H. | MARSHA JOY FISHBANE North Tonawanda, N. Y. |
| DAVID GLENN BURKET Tallmadge, Ohio | PAUL ANTHONY FITZGERALD Shaker Heights, Ohio |
| ANTHONY JOSEPH CALABRESE Elizabeth, N. J. | SANFORD FITZIG Fair Lawn, N. J. |
| HOWARD JOEL CAPLAN Philadelphia, Pa. | D. PRESTON FLANIGAN Uniontown, Pa. |
| JOHN NEVIN CARSON, III Philadelphia, Pa. | MARTIN JEROLD FLEISHMAN Huntingdon Valley, Pa. |
| HERBERT TARTER CASKEY Philadelphia, Pa. | MARTIN J. FLIEGELMAN Philadelphia, Pa. |
| JAY I. CASTLE Bala-Cynwyd, Pa. | STEPHEN PATRICK FLYNN Meriden, Conn. |
| ROBERT JOSEPH CATANZARO Ft. Lauderdale, Fla. | ALBERT JOSEPH FORNACE, JR. Fort Washington, Pa. |

- STEPHEN FREMER Philadelphia, Pa.
- ALAN STANLEY FRIEDMAN Philadelphia, Pa.
- JAMES EUGENE FTICSAK Allentown, Pa.
- JAMES LARIMER GARDNER Ellwood City, Pa.
- RICHARD FREDERICK GARNET, JR. Lansdowne, Pa.
- GREGORY PAUL GAUVIN Westmont, N. J.
- BRUCE LABE GEWERTZ Havertown, Pa.
- GENE HOWARD GINSBERG Philadelphia, Pa.
- ROBERT EDUARD GOELTSCH Malvern, Pa.
- STANLEY JULES GOLDBERG Trenton, N. J.
- MICHAEL PAUL GOLDEN Bala-Cynwyd, Pa.
- RICHARD MICHAEL GOODMAN Kingston, Pa.
- CHARLES ALAN GORDON West Hempstead, N. Y.
- BERNARD ALAN GRUMET Bethel Park, Pa.
- GEORGE WILLIAM HAGER, III Haddonfield, N. J.
- JAMES THOMAS HAY Maple Glen, Pa.
- CRAIG THOMAS HAYTMANEK Allentown, Pa.
- PHILIP CHARLES HOFFMAN Philadelphia, Pa.
- IRWIN JOEL HOLLANDER Plainfield, N. J.
- JOSEPH PATRICK HORSTMANN Philadelphia, Pa.
- FRANK GEORGE HRYSHKO Pittsburgh, Pa.
- DAVID PLUMMER HUGHES Haverford, Pa.
- WOLFGANG ANTON HUHN Philadelphia, Pa.
- WILLIAM JOHN HYDE Bala-Cynwyd, Pa.
- WILLIAM MICHAEL INTERDONATO Plainfield, N. J.
- ROBERT ALAN JACOBS Franklin Square, N. Y.
- STANLEY ROBERT JACOBS Philadelphia, Pa.
- SCOTT HERBERT JAEGER Hamilton Square, N. J.
- NICHOLAS JARMOZUK Clifton, N. J.
- DAVID SCOTT JOHNSON Yankton, S. D.
- MARK JOSEPHS Philadelphia, Pa.
- SUSAN CHRISTINE JUDSON Philadelphia, Pa.
- ALEX BERT JUHASZ Beaver Falls, Pa.
- RONALD LEE KABLER Philadelphia, Pa.
- LARRY H. KLEIN Scranton, Pa.
- MYLES K. KRIEGER Philadelphia, Pa.
- ARTHUR ALFRED KUNKLE, III New Cumberland, Pa.
- JOHN JOSEPH LASKAS, JR. Media, Pa.
- HELEN ANN LEIBOWITZ Philadelphia, Pa.
- ALLAN MICHAEL LENETSKY Philadelphia, Pa.
- JOSEPH JUDAH LEVINSKY Haddonfield, N. J.
- MICHAEL RAYMOND LEWIS Warminster, Pa.
- CHARLES JOHN LEWKOWICZ Warminster, Pa.
- KAREN MOSS LICHTENFELD Philadelphia, Pa.
- NORMAN WILLIAM LINDENMUTH Tamaqua, Pa.
- FRED DAVID LUBLIN Philadelphia, Pa.
- WARREN FREDERICK MACDONALD, JR. Glenside, Pa.
- THOMAS EDWARD MACKELL Huntingdon Valley, Pa.
- JAMES WIDMANN MAHONEY Wynnewood, Pa.
- CAREY MILES MARDER Allentown, Pa.
- ROSALIE KATHRYN MARINARI Philadelphia, Pa.
- JEFFREY ALLAN MATTES Southfield, Mich.
- WILLIAM HOWARD MCCOY Chester, Pa.
- RICHARD R. P. MCCURDY Swarthmore, Pa.
- ROBERT DOUGLAS MCKAY Newark, N. J.
- ARLEN DAVID MEYERS Philadelphia, Pa.
- JOHN HARLEY MILANDER Northampton, Pa.
- STEVEN HOWARD MOSS South Orange, N. J.
- CHERYL MARCO NAULTY Philadelphia, Pa.
- JOHN STEPHEN NAULTY Rosemont, Pa.
- ANTHONY MICHAEL NESPOLI Berwick, Pa.

- RICHARD HOWARD NIEMEYER Wenonah, N. J.
- GLENN CARLYLE NYE Penn Valley, Narberth, Pa.
- HERBERT NOLAN OCHTILL Broomall, Pa.
- HOWARD ELLIOT PITCHON Bala-Cynwyd, Pa.
- LAWRENCE CHARLES OLSEN Ponce, Puerto Rico
- NICHOLAS JOSEPH O'SHAUGHNESSY, JR. Philadelphia, Pa.
- HOWARD TENDAI PFUPAJENA Umtali, Rhodesia
- LOUIS DANIEL PIETRAGALLO Pittsburgh, Pa.
- MORTON MATTHEW RAYFIELD Philadelphia, Pa.
- JAMES WILSON REDKA Danville, Pa.
- FRANK LOUIS REDO Braddock, Pa.
- WAYNE THOMAS RENSIMER Norristown, Pa.
- CHARLES EDWARD RHODES Darien, Conn.
- CHRISTOPHER STEPHEN RILEY West Chester, Pa.
- ROBERT EUGENE RINALDI Union, N. J.
- JAMES ROBERT ROBERTS Forty Fort, Pa.
- JOHN P. RODZVILLA, JR. Wilkes-Barre, Pa.
- ANTHONY ROBERT ROOKLIN Merion, Pa.
- JEFFREY MARVIN ROSCH Altoona, Pa.
- MICHAEL STEWART ROTH Philadelphia, Pa.
- EDWARD ROSE RUSSELL Beaver, Pa.
- JAMES MICHAEL RYAN Philadelphia, Pa.
- MARSHALL ADRIAN SALKIN Philadelphia, Pa.
- BRUCE SHELDON SALTZMAN Bala-Cynwyd, Pa.
- LAWRENCE SIDNEY SCHAFFZIN Philadelphia, Pa.
- LAWRENCE RUDOLPH SCHILLER Philadelphia, Pa.
- BARTON LEWIS SCHNEYER Philadelphia, Pa.
- RICHARD P. SCHWARTZ Marblehead, Mass.
- CHARLES RICHARD SEILER Elnore, N. Y.
- JOAN HALTMAN SHAPIRO Coraopolis, Pa.
- MARC WELLS SHAPIRO West Caldwell, N. J.
- ROBERT ARNOLD SHIROFF Philadelphia, Pa.
- CARL MORRIS SILBERMAN Philadelphia, Pa.
- BARRY PHILIP SKEIST Roslyn, N. Y.
- SANDRA SLADE Merion Station, Pa.
- STEPHEN HEILMAN SMITH Old Zionsville, Pa.
- ALLEN SONSTEIN Philadelphia, Pa.
- GEORGE FRANCIS SPEACE, II Bryn Mawr, Pa.
- SUSAN EDWARDS STANIELS Sparta, N. J.
- ROBERT EXCEL STEWARD, JR. Easton, Pa.
- STEVEN CHARLES STRUM Philadelphia, Pa.
- THEODORE RALPH SUNDER Bethel Park, Pa.
- THADDEUS RAYMOND SZYDLOWSKI Shillington, Pa.
- CAROL ANN TALACKI Huntingdon Valley, Pa.
- GAIL ANTOINETTE TENIKAT Bend, Illinois
- WILLIAM JOSEPH THOMAS, JR. Prospect Park, Pa.
- JOHN ROBERT TYLER Waynesboro, Pa.
- STEPHEN ALEXANDER VOLK Camden, N. J.
- JAMES ROBERT WALL Philadelphia, Pa.
- RONALD JAY WAPNER Wilmington, Del.
- FREDRIC ROY WEINER Cherry Hill, Pa.
- MARTIN WEISBERG Philadelphia, Pa.
- WILLIAM MICHAEL WIXTED Cherry Hill, N. J.
- TIMOTHY CRAIG WOLFGANG Altoona, Pa.
- STEPHEN WILLIS WONG Honolulu, Hawaii
- ERNEST CLIFFORD WYNNE, III Vineland, N. J.
- GERALD CHARLES ZABIELSKI Scranton, Pa.
- CHERYL RIVA ZARET Philadelphia, Pa.
- GEORGE MICHAEL ZLUPKO Chester, Pa.
- THOMAS EUGENE ZUKOSKI Dunmore, Pa.
- ROSEMARY ELIZABETH ZUNA Enhaut, Steelton, Pa.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

- THOMAS I. PHELAN (Anatomy) Philadelphia, Pa.
Thesis: "The Effects of Pulmonary Fat Embolism on Free Fatty Acid Content in the Lung."
- CAROLYN MARY SCOTT (Anatomy) Philadelphia, Pa.
Thesis: "The Effects of Exercise on Partially Reinnervated Muscle in the Rat."
- DAVID WILLIAM FOUTS (Community Health and Preventive Medicine) Philadelphia, Pa.
Thesis: "Hepatitis-Associated Antigen in Sarcoidosis."
- LAWRENCE JOSEPH MELLON (Community Health and Preventive Medicine) Morton, Pa.
Thesis: "Health Attitudes and Compliance with Medical Advice in an Executive Population."
- SUSAN LUSCOMBE CARTY (Microbiology) Penn Valley, Pa.
Thesis: "A Study of Normal Anaerobic Intestinal Flora in Man."
- STANLEY ALLEN HOFFMAN (Physiology) Narberth, Pa.
Thesis: "Physiological Characteristics of Fatigue Substance."
- RICHARD PATRICK MAIORIELLO (Physiology) Philadelphia, Pa.
Thesis: "An Electrophysiological Evaluation of Noise-Induced Auditory Impairment Using Computer-Averaging Techniques in the Guinea Pig and Squirrel Monkey."

An exceptionally stimulating teacher, Dr. Davis is equally creative in research, starting with his student days in Baltimore. Over one hundred forty scientific dissertations and books on urologic topics demonstrate his signal contributions to his specialty field. His studies continue, especially in urinary tract hydrodynamics; this work is being continued by his former students as well.

Dr. Davis has received many honors for professional excellence and for outstanding contributions and achievements in Urology, among these are the Edward L. Keyes Gold Medal of the American Association of Genito-Urinary Surgeons, the Silver Plaque of the American Urologic Association, and the coveted Hugh H. Young Award Gold Plaque for outstanding contributions to the field of urinary tract infections.

Dr. Davis served in the First World War, first as Bacteriologist in the Pennsylvania Hospital Unit, American Ambulance Hospital (Paris) in 1915, then with the British Expeditionary Force, and later in the American Expeditionary Force, continuing in the Reserve Corps until 1933 with the rank of Major.

Holding regular and honorary memberships in American, British, Greek, Mexican and Argentinian professional societies, as well as in those societies reserved for those who have reached unusual heights in learned pursuits, Dr. David M. Davis stands among the medical practitioners, scientists and academicians, who have significantly advanced their specialty fields, added luster to American Medicine, and whose influence extends throughout the medical world.

DOCTOR OF MEDICAL SCIENCE—GEORGE ALEXANDER HEARD

A native of Georgia, Dr. Heard received the A.B. degree from the University of North Carolina where he won Phi Beta Kappa honors, and the M.A. and Ph.D. degrees from Columbia University while preparing for a remarkably successful career as educator, social and political scientist, author, university administrator, and advisor to Presidents of the United States.

Faculty appointments began at the University of Alabama, and his academic career was continued at North Carolina where he rose to Professor of Political Science, then at Harvard University as Ford Research Professor of Government. Returning to the faculty at North Carolina, he became Dean of the Graduate School. In 1968 he was called to his present position as Chancellor of Vanderbilt University and Professor of Political Science.

Dr. Heard's outstanding contributions and service in our Nation's interest include activities under the Civilian Conservation Corps, National Park Service, Works Progress Administration, Department of the Interior, Office of the Secretary of War, United States Foreign Service, National Aeronautics and Space Administration, United States Arms Control and Disarmament Agency, and Department of State. He also has acted as Administration Officer, Health Division, United Pueblos Agency of the United States Indian Service. During the Second World War he served his Country in the United States Navy.

Dr. Heard's creativity and counsel have aided research in vital areas of government and political science, especially in modern political functions and behavior. He has held editorial and advisory positions for the *Journal of Politics* and the *American Political Science Review*, and is a *Director of Time Incorporated*. Through his numerous articles and several books he has enriched political science literature. His leadership contributes also to many learned organizations dealing with political, social, governmental, educational, and cultural advances.

In the forefront of educational affairs and administration and in community affairs, he participates in learned organizations concerned with the problems, challenges and opportunities occurring at all levels of education, with race relations, and with the problems of governance of the academic medical center; as Trustee and President of the Board, he has a prominent role in establishing the policies and in implementing the functions of the Ford Foundation. He has been the logical choice for appointment to study and research commissions dealing with political and educational matters of national significance by Presidents Kennedy, Johnson, and Nixon. Dr. Heard accomplishes these challenging assignments with great distinction.

THE ACADEMIC COSTUME

The wearing of academic dress dates back to the early days of the oldest universities in the world. In the American Council on Education's book entitled "American Universities and Colleges" it is suggested that "gowns may have been counted necessary for warmth in the unheated buildings frequented by medieval scholars. Hoods seem to have served to cover the tonsured head . . ."

Throughout the years European universities have continued to show great diversity in their academic dress. American universities, on the other hand, when they decided to adopt academic dress about fifty years ago, immediately established a code of regulations which today is followed by almost all American institutions. The establishment of this code has made it possible to distinguish the Bachelors, Masters, and Doctors and at the same time recognize the university which has given them the degree.

The Bachelor's gown has pointed sleeves and is worn closed. The Master's gown has oblong sleeves, open at the wrist. The rear part of its oblong shape is square cut and the front part has an arc cut away, and is worn open or closed. The Doctor's gown has bell-shaped sleeves. It is worn opened or closed. Cotton poplin or similar material is used for the Bachelor's and Master's degrees, and rayon or silk ribbed material is used for the Doctor's degree.

The hoods vary in length: 48 inches for the Doctor's degree, 42 inches for the Master's, and 36 inches for the Bachelor's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are shown in divisions using chevrons. The binding or edge of the hood is usually made of velvet in the color designating the subject in which the degree was granted.

Black mortarboards are worn for all degrees.

Some of the colors in the bindings of the hoods are:

<i>white</i>	Arts and Letters	<i>olive green</i>	Pharmacy
<i>lilac</i>	Dentistry	<i>dark blue</i>	Philosophy
<i>light blue</i>	Education	<i>salmon pink</i>	Public Health
<i>green</i>	Medicine	<i>golden yellow</i>	Science
<i>apricot</i>	Nursing		

The colors of the linings of the hoods for some Philadelphia medical institutions are:

<i>red and blue</i>	University of Pennsylvania	<i>blue and gold</i>	Hahnemann Medical College
<i>blue and white</i>	Philadelphia College of Pharmacy and Science	<i>silver gray and scarlet</i>	The Medical College of Pennsylvania
<i>black and blue</i>	Jefferson Medical College	<i>white and cherry</i>	Temple University