

5-31-1968

1968 Commencement for Jefferson Medical College

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144th
COMMENCEMENT

Jefferson Medical College
1824-1968

Friday, May 31st
Nineteen Hundred and Sixty-Eight
Half Past Ten O'clock

The Academy of Music

PROCESSIONAL - - - - - Pomp and Circumstance - - - - - ELGAR
Trumpet Voluntary in D - - - - - PURCELL

THE NATIONAL ANTHEM

INVOCATION - - - - - THE REVEREND BISHOP FRED PIERCE CORSON
J.U.D., D.S.L., Pd.D., D.Ecum.
Resident in Philadelphia
The United Methodist Church

CONVOCATION - - - - - PETER A. HERBUT, M.D., C.M., *President*

PRESENTATION OF CANDIDATES
FOR DEGREES IN COURSE - - - - - WILLIAM F. KELLOW, B.S., M.D.
Dean and Vice President

CONFERRAL OF DEGREES IN COURSE - - PRESIDENT HERBUT
Doctor of Philosophy
The Oath of Hippocrates - - - - - FRANZ GOLDSTEIN, M.D.
Associate Professor of Medicine

Doctor of Medicine
Master of Science

CONFERRING OF HONORARY DEGREES - PRESIDENT HERBUT

Doctor of Humane Letters
DAVID H. KURTZMAN, B.S., M.A., Ph.D.
*Superintendent, Department of Public
Instruction*

Citation to be read by William F. Kellow,
B.S., M.D., Dean and Vice President

Doctor of Science
BRANDON BARRINGER, A.B.
*Chairman of the Finance Committee of
the Board of Trustees*
Citation to be read by William Potter Wear,
Ph.B., Life Trustee

Doctor of Laws
BERNARD J. ALPERS, M.D., Sc.D. (Med.)
*Professor of Neurology, Emeritus
Jefferson Medical College*

Citation to be read by Philip J. Hodes,
B.S., M.D., D.Sc. (Rad.)
Professor of Radiology and
Head of the Department

Doctor of Humane Letters
KEITH SPALDING, B.A., LL.D., LL.D.
President, Franklin and Marshall College
Citation to be read by James M. Large,
B.A., Chairman of the Board of Trustees

ADDRESS - - - - - KEITH SPALDING, B.A., LL.D., LL.D., L.H.D.

BENEDICTION - - - - - THE REVEREND BISHOP FRED PIERCE CORSON

RECESSIONAL - - - - - Trumpet Voluntary - - - - - JOHN STANLEY

JOHN TUTTLE, *Organist*

ANDREW J. RAMSAY, A.B., Ph.D., *General Marshal*

FRANCIS J. SWEENEY, JR., B.A., M.D., *Assistant General Marshal*

CHARLES P. KRAATZ, A.B., A.M., Ph.D., *Marshal of Distinguished Guests*

SAMUEL S. CONLY, JR., A.B., M.D., *Marshal*

ROBERT P. GILBERT, A.B., M.D., *Marshal*

JOHN H. KILLOUGH, B.S., Ph.D., M.D., *Marshal*

JOSEPH S. GONNELLA, A.B., M.D., *Marshal*

JAMES E. CLARK, A.B., M.D., *Marshal of the Graduating Class*

JOHN WILLIAM SNAPE, JR., A.B., '69

CHARLES FREDERICK VON GRUNAU, A.B., '69

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, May 30, 1968

The Christian R. and Mary F. Lindback Awards for Distinguished Teaching to ROBERT L. BRENT, A.B., M.D., Ph.D., Professor of Radiology and Pediatrics, Chairman of the Department of Pediatrics, Director of the Stein Research Center, and ROBERT C. MACKOWIAK, A.B., M.D., Assistant Professor of Physiology.

The Charles W. LaBelle Prize. Given by Mrs. LaBelle in memory of her husband Charles W. LaBelle, Ph.D., Assistant Professor of Preventive Medicine (Environmental Hygiene) to an outstanding candidate for the degree of Doctor of Philosophy, to DAVID STANLEY MARSDEN

The Albert Strickler Memorial Prize. To be given annually by Mrs. Albert Strickler to a Senior Student for the best essay on Cancer, to ALAN VE RICHMAN

The Lange Medical Publications Prizes. A gift of four Lange Publications books to each of two Senior Students, as selected by the members of the graduating class, for outstanding extra-curricular achievement, to JAMES ARTHUR MEADOWCROFT and HAROLD AMOS YOCUM

The Henry M. Phillips Prize. Awarded upon the recommendation of the Professor of Medicine to the graduate, in his opinion, most worthy, to JOSEPH PAUL GLASER

The Henry M. Phillips Prize. Awarded upon the recommendation of the Professor of Surgery to the graduate, in his opinion, most worthy, to IRA ROY TANNEBAUM
With Honorable Mention of David Allen Berd

Practice Prize. A Gold Medal, awarded by bequest of Dr. Francis W. Shain, for the best essay on a subject pertaining to the Practice of Medicine, to IRA ROY TANNEBAUM
With Honorable Mention of Bonnie Lee Ashley

Clinical Surgery Prize. A Gold Medal for general excellence in Clinical Surgery, in memory of Francis Torrens Stewart, Professor of Clinical Surgery, the Jefferson Medical College, 1910-1920, to ROBERT CHANDLER KURTZ
With Honorable Mention of John Louis Berardinelli

Solomon Solis-Cohen Memorial Prize. Given by members of the family in memory of Professor of Clinical Medicine, Emeritus, S. Solis-Cohen, for the best essay in the field of Clinical Medicine by member of the Senior Class, to STEWART DAVID SHULL

Gynecology Prize. In Honor of Professor of Obstetrics and Gynecology, Emeritus, Lewis C. Scheffey, M.D., to be given annually by Mrs. Albert Strickler, to a Senior Student, for the best examination, thesis and general excellence in Gynecology, to DONALD HOWARD STOCK
With Honorable Mention of Martina Mary Mockaitis

Orthopedic Surgery Prize. By Professor Anthony F. DePalma, M.D., for general excellence in Orthopedic Surgery, to LAWRENCE VINCENT HOFMANN
With Honorable Mention of Kenneth Boynton Reynard

Urology Prize. Given by Mrs. Fetter, in memory of Dr. Theodore R. Fetter, The Nathan Lewis Hatfield Professor of Urology and Head of the Department, for general excellence in Urology during the Junior and Senior Years, including preparation of reports of in and out patients, examinations and final summary of the work in Urology, to LARRY EMANUEL KUN

The Edward J. Moore Memorial Prize in Pediatrics. Given in memory of Edward J. Moore, M.D., to the Senior Student demonstrating the greatest aptitude in Pediatrics, to JOHN LOUIS BERARDINELLI

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

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

W. B. Saunders Company Prize. Medical Publications to the student who passes the best general examination at the end of the Senior Year to
IRA ROY TANNEBAUM

The C. V. Mosby Company Prizes. Awarded to worthy graduates, to
FRIEDRICH CAMERON LUFT
WILLIAM ERNEST LOGAN
NOBLE L. THOMPSON, JR.
JEFFREY SCOTT CHASE
DONALD HOWARD STOCK

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

With Honorable Mention of William Freeman Holmes

The Carroll R. Mullen Memorial Prize in Ophthalmology. This award is given annually to the Senior Student who has received the highest grade in Ophthalmology, to
PAUL DMITRI SHAWALUK, JR.

Obstetrics and Gynecology Prize. In Honor of Professor of Obstetrics and Gynecology, Emeritus, John B. Montgomery, M.D., to be given annually by Mrs. Sarah George Miller, to a Senior Student, for the best examination, thesis and general excellence in Obstetrics and Gynecology during the entire curriculum, to
DAVID ALLEN BERD

With Honorable Mention of Ira Roy Tannebaum

The Richard W. Foster Prize. A prize to be given to an outstanding student selected by the College for the purchase of books at the Rittenhouse Book Store, to
MORRIS LEE OROCOFSKY

The Leandro M. Tocantins Memorial Prize. Given by Mr. and Mrs. Milton Hubschman to the Senior Student manifesting the greatest aptitude and interest in the field of Hematology, to
ROBERT MARK WEINBERG

The Baldwin L. Keyes Prize in Psychiatry. In Honor of Professor of Psychiatry, Baldwin L. Keyes, M.D., Sc.D., Emeritus, given annually by Mr. and Mrs. Joseph H. Levit to the Senior Student considered most worthy by the Department of Psychiatry, to
STEPHEN DAVID GELFOND

William Potter Memorial Prize. The income from a bequest of Mrs. Adaline Potter Wear, offered to encourage excellence in the clinical branches of medicine and awarded to that graduate attaining the highest general average in the final two years of the medical course, to
RONALD DAVID SEROTA

Alumni Prize. By the Alumni Association, a Medal for the best general average obtained in the examinations for the entire curriculum, to
IRA ROY TANNEBAUM

Anesthesiology Prize. Awarded upon the recommendation of the Professor of Anesthesiology to a Senior Student who has shown general excellence in the field of Anesthesiology, to
THOMAS JOSEPH GAL

DOCTOR OF HUMANE LETTERS—DAVID H. KURTZMAN

David H. Kurtzman received his undergraduate education at Temple University (B.S.) and took his graduate work in Political Science at the University of Pennsylvania (M.A. and Ph.D.).

Following graduation, he returned for several years to Temple University as an instructor in Political Science. In 1933 he was appointed Assistant Director and then Director of Research, Pennsylvania Economy League—a post he held until 1959.

He answered the call to public service in 1959 as Secretary of Administration, Commonwealth of Pennsylvania. In 1963 he returned to the University of Pennsylvania as a Senior Research and Educational Associate in the Fels Institute of Local and State Government.

His educational and administrative talents led to his appointment as Vice Chancellor of Finance and later Chancellor of the University of Pittsburgh. His labors during this eventful period (1965-67) have received wide acclaim in the world of education and finance.

Advisor to the chief executives of cities and states, he has variously served as a member and secretary of the Metropolitan Study Commission, as Chairman of the Major Management Advisory Committee in the City of Pittsburgh, as well as the Chief of Staff of the Governor's Tax Advisory Commission, and Chairman of the Governor's Tax Study and Review Commission in the Commonwealth of Pennsylvania. Most recently he was selected the Research Director of the Pennsylvania Constitutional Convention Preparatory Committee.

Education in Pennsylvania truly has felt the imprint of his labors, and in 1967 he was appointed Superintendent of Public Instruction of the Commonwealth. The responsibilities carried by Dr. Kurtzman are enormous, but he has earned the admiration, the understanding, and the affection of people who make up the world of education.

Presented by William F. Kellow, M.D.

Dean and Vice President

DOCTOR OF SCIENCE—BRANDON BARRINGER

Brandon Barringer was born in Cape May, New Jersey, and received his early education at Haverford School. He graduated from Princeton University (B.A.) where he was elected to Phi Beta Kappa.

Mr. Barringer immediately entered the financial world and was employed by The Pennsylvania Company for Insurances on Lives and Granting Annuities rising to the position of Vice President in Charge of Investments. The Curtis Publishing Company sought his talents in 1949, and he continued as Treasurer of this organization for 15 years. He has served as a special consultant to the Secretary of State, and as a consultant to the Economic Cooperation Administration Mission to the United Kingdom.

His remarkable expertise and excellence in financial and economic affairs have led to many directorships and trusteeships including the Lehigh Valley Railroad, the Wellington Fund, the Curtis Publishing Company, and the Philadelphia Suburban Transportation Company.

Long interested in education and health care, he has served on the governing boards of The Franklin Institute, the Academy of Natural Sciences, Philadelphia division of the American Cancer Society, the University Museum of the University of Pennsylvania, the Community Chest, and the Delaware Valley Hospital Council.

Mr. Barringer served his country in both world wars. In the latter conflict he served as Deputy Chief, Office of Statistical Control, Headquarters, Army Air Force, with the rank of Colonel, and was decorated with the Legion of Merit.

The Barringer family has served the Jefferson Medical College for seven decades. Our honoree's father, the late Daniel Moreau Barringer, was appointed a life trustee in 1901. Fortunately for us, the father's love for Jefferson descended to the son who was appointed a life trustee in 1936.

He has served as Chairman of the Finance Committee for many years and has been particularly instrumental in guiding the financial destiny of our institution during its expansion. His untiring efforts and devotion to the College stands as a symbol for all of us.

Presented by William Potter Wear

Life Trustee

DOCTOR OF LAWS—BERNARD J. ALPERS

Bernard J. Alpers, following education at Harvard (M.D.) and the University of Pennsylvania (Sc.D., Med.), received fellowship awards for study in neurology, neuropathology, and neurosurgery at home and abroad, and appointments at the University of Pennsylvania and the Institute of the Pennsylvania Hospital. He has held faculty positions at the Graduate School of Medicine of the University of Pennsylvania. He was certified by the American Board of Psychiatry in 1934. In 1938 Dr. Alpers was appointed Professor of Neurology and Head of the Department of Neurology at the Jefferson Medical College and Professor of Neurology, Emeritus in 1965.

Many thousands of students have been influenced and inspired by Dr. Alpers, ten of whom are now Professors of Neurology. He has written several books and has contributed profusely to the journals of learned societies, four of which he has served in editorial capacities. He is consultant to seven major hospitals. His intellectual stature and creative scholarship have occasioned his presidency of many professional associations, including the American Neurological Society, the American Board of Psychiatry and Neurology, and the American Association of Neuropathologists. A member of numerous governmental committees and commissions dealing with matters of health, he is contributing to the Nation's broad attack on neurological diseases.

Dr. Alpers' personal and professional life is characterized by an extraordinary personal charm, by dignity and professional competence of an unusual degree, tempered with gentleness, charity, and deep concern for all mankind.

Presented by Philip J. Hodes, M.D.

Professor Radiology and Head of the Department

DOCTOR OF HUMANE LETTERS—KEITH SPALDING

Keith Spalding, eleventh president of Franklin and Marshall College, was born in Kansas in 1921 and educated at the Universities of Kansas, Iowa, and Wichita, with Phi Beta Kappa honors. For four years he contributed to our country's security as a member of the Marine Corps and fighter-bomber pilot in the Pacific Theatre. Returning to civilian life, and with a background in journalism, he continued in editorial capacities at the New York *Herald Tribune* from 1948 to 1956.

Answering the challenges of education and of educational institution administration, he served as Administrative Assistant to the President of The Pennsylvania State University, then as Assistant to the President and as Secretary of the Johns Hopkins University, and in 1963 he brought his rare qualities for leadership to Franklin and Marshall College.

His compelling penchant for action soon saw a Franklin and Marshall that has been heading toward its 200th year of major regional importance begin to assume a position of national leadership. In five years gift income tripled, alumni giving increased by 1,000 percent and endowment by one-third, student-faculty ratio now nears eleven to one, and sabbaticals and graduate fellowships have been doubled.

President Spalding's voice is taking on national significance in educational affairs, through activities such as his chairmanship of the Commission on Federal Relations of the Council on Education and his membership on the Executive Committee of the Association for Higher Education. His unusually responsible leadership extends also to many other educational, civic, and learned organizations at local, state, and national levels.

He has clarified issues currently faced by educational institutions and society through his publications including: *The Relevance of Federal Programs to the Purpose of the Institution, A Sense of Involvement in History, Unrest On the Campus, Sponsored Research and the Liberal Arts College.*

Clearly, Franklin and Marshall College and American education have found in President Spalding a man for the times.

Presented by James M. Large
Chairman of the Board of Trustees

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 open 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:

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

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

red and blue	- - - - -	University of Pennsylvania
blue and white	- - - - -	Philadelphia College of Pharmacy and Science
black and blue	- - - - -	Jefferson Medical College
blue and gold	- - - - -	Hahnemann Medical College
silver gray and scarlet	- - - - -	Woman's Medical College
white and cherry	- - - - -	Temple University

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- DONALD ANTHONY FONTE (Anatomy) - - - - - Philadelphia, Pa.
Thesis: "Histopathology and Fatty Acid Formation in the Lung Following Experimental Fat Embolism."
- JOHN JUWEI CH'IH (Biochemistry) - - - - - China
Thesis: "A Study of the Deoxyribonucleic Acid Nucleotidyl Transferase of Rat Liver Mitochondria."
- ROBERT FRANCIS MCALACK (Microbiology) - - - - - Camden, N. J.
Thesis: "Vibrios and Insects."
- SYED ABDUS SALAM (Microbiology) - - - - - Pakistan
Thesis: "Comparative Study of Gram Positive and Gram Negative Curved Rods."
- ALAN DAVID DREZNER (Pathology) - - - - - Bayside, N. J.
Thesis: "Patterns of Synthesis of Nucleic Acids in Relation to the Behavior of Differentiating Muscle Cells, *in vitro*." (In Absentia)
- ANDREAS PANAYOTIS KYRIAZIS (Pathology) - - - - - Athens, Greece
Thesis: "Study of the Changes in the Chemical Composition and Permeability of Cartilage Matrix with Aging and Hormones."
- SOLON LAFAYETTE RHODE, III (Pathology) - - - - - Camp Hill, Pa.
Thesis: "The Regulation of RNA Synthesis in Human Diploid Fibroblasts *in vitro*."
- NAM HEA LEE (Pharmacology) - - - - - Seoul, Korea
Thesis: "Influence of Age and Dietary Stress on Hexobarbital Activity in Mice."
- JOHN EDGAR STAMBAUGH, JR. (Pharmacology) - - - - - Thorofare, N. J.
Thesis: "A Study of Nitroimidazoles—The Metabolism of Metronidazole and Related 5-Nitroimidazoles."
- ANNE MARIE AMBROMOVAGE (Physiology) - - - - - Gilberton, Pa.
Thesis: "Ion Exchange-Diffusion as a Process in Regulation of Gastric Acidity."
- DOMINICK LOUIS CINTI (Physiology) - - - - - Plains, Pa.
Thesis: "ATPase Activity in the Gastrointestinal Tract of the Rat."
- ALLEN CYMERMAN (Physiology) - - - - - Jackson, N. Y.
Thesis: "The Effects of Increased Pressure of Oxegon on Bioelectric Properties of Frog Skin and Sciatic Nerve."
- MARGARET MARY JOHNSON (Physiology) - - - - - West Chester, Pa.
Thesis: "An Analysis of Factor VIII Activity in Tissues of the Rat Using an Artificial Substrate Plasma Prepared from a Factor VII Deficient Patient."
- DAVID STANLEY MARSDEN (Physiology) - - - - - Pennsauken, N. J.
Thesis: "The Secretion of Iodine by Various Regions of the Stomach."
- ZALMON POBER (Physiology) - - - - - Philadelphia, Pa.
Thesis: "Enteric Regulating Influences on Gastric Secretion and Motility."

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- GILL ROBERT ALDERFER - - - - - Swarthmore, Pa.
- BONNIE LEE ASHBY - - - - - Chatham, N. J.
- JOEL MARVIN BARISH - - - - - Philadelphia, Pa.
- WILLIAM HENRY BARNABY - - - - - Gibbstown, N. J.
- JOHN CARL BAYLIS - - - - - Newark, Del.
- CYRUS EZRA BEEKEY, JR. - - - - - Kutztown, Pa.
- GEORGE STUART BELL - - - - - Philadelphia, Pa.
- ROBERT ERNEST BELLET - - - - - Philadelphia, Pa.
- JOHN LOUIS BERARDINELLI - - - - - Johnstown, Pa.
- DAVID ALLEN BERD - - - - - Philadelphia, Pa.
- JAY BENNETT BERGER - - - - - Philadelphia, Pa.
- CARL BROOKS BINNS - - - - - Bellefonte, Pa.
- PAUL ROBERT BOSANAC - - - - - McKeesport, Pa.
- WAYNE HARRIS BRAVERMAN - - - - - Philadelphia, Pa.
- CHARLES MICHAEL BROOKS - - - - - Hillsdale, N. J.
- VIRGINIA JOHNSTON CAMPBELL - - - - - State College, Pa.
- WILFRED IGNATIUS CARNEY, JR. - - - - - Providence, R. I.
- WILLIAM JOSEPH CASPER, JR. - - - - - Hazleton, Pa.
- JEFFREY SCOTT CHASE - - - - - Montrose, Pa.
- RICHARD ISAAC COHEN - - - - - Elizabeth, N. J.
- IRVING STUART COLCHER - - - - - Philadelphia, Pa.
- DOMINIC FRANCIS COMPERATORE - - - - - Philadelphia, Pa.
- ELLIOT MARK COOPERMAN - - - - - Bala-Cynwyd, Pa.
- ROBERT HENRY COPULSKY - - - - - Cherry Hill, N. J.
- BARRY CORSON - - - - - Philadelphia, Pa.
- RICHARD LESLIE DAVIES - - - - - Sacramento, Calif.
- EDWARD ALAN DEGLIN - - - - - Philadelphia, Pa.
- RAPHAEL JOSEPH DEHORATIUS - - - - - Philadelphia, Pa.
- WILLIAM JOHN DENNIS - - - - - Conshohocken, Pa.
- NICHOLAS WILLIAM DICUCCIO - - - - - Butler, Pa.
- PHILIP EDWARD DONAHUE - - - - - Philadelphia, Pa.
- WILLIAM MAYNARD EBOCH, JR. - - - - - Altoona, Pa.
- STEPHEN RICHARD ELLIN - - - - - Brooklyn, N. Y.
- WALTER DAVID EPPLE - - - - - Philadelphia, Pa.
- ROBERT HILGER EZERMAN - - - - - Philadelphia, Pa.
- ALAN EDWARD FEEN - - - - - Cherry Hill, N. J.
- MARCIA ANNE FITZPATRICK - - - - - Philadelphia, Pa.
- RICHARD JOHN FLANIGAN - - - - - Havertown, Pa.
- THOMAS GORDON FLETCHER - - - - - Oakland, Calif.
- ALBERT ROCCO FRANCESCONI - - - - - Camden, N. J.
- JOHN DAVID FROST - - - - - State College, Pa.
- LAURA BELLE FUNKHOUSER - - - - - Butler, Pa.
- THOMAS JOSEPH GAL - - - - - Bethlehem, Pa.
- STEPHEN DAVID GELFOND - - - - - Elkins Park, Pa.
- HUBERT WHITNEY GERRY - - - - - West Orange, N. J.
- MARK ROBERT GLASBERG - - - - - Philadelphia, Pa.
- JOSEPH PAUL GLASER - - - - - Havertown, Pa.
- CLIFFORD AVERY GORDON - - - - - Collingswood, N. J.
- CARL MORRIS GREEN - - - - - Upper Darby, Pa.
- WILLIAM KING GROSSMAN - - - - - Philadelphia, Pa.
- STEPHEN LANDIS HERSHEY - - - - - Kennett Square, Pa.
- GERALD ALAN HIATT - - - - - Waimanalo, Hawaii
- LAWRENCE VINCENT HOFMANN - - - - - Glenside, Pa.
- PAUL DAVID HOLMAN - - - - - Waynesboro, Va.
- WILLIAM FREEMAN HOLMES - - - - - Chappaqua, N. Y.
- JOHN BROOKS HUMPHREY, JR. - - - - - Medford Lakes, N. J.
- ROBERT ARTHUR JACOBS - - - - - Philadelphia, Pa.
- JAMES HOWARD JACOBY - - - - - Philadelphia, Pa.

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

GEORGE EDWIN JEFFERIES, III - Oberlin-Steelton, Pa.	BARRY ALAN ROFMAN - - - - Philadelphia, Pa.
JOHN ALAN JEFFERIES - - - Oberlin-Steelton, Pa.	DAVID E. ROSENMAN - - - - Philadelphia, Pa.
GERALD FRANK KAPLAN - - - Philadelphia, Pa.	JAMES MARIANO RUSSO, JR. - - - Island Heights, N. J.
JOEL ALLEN KAPLAN - - - - Philadelphia, Pa.	CHARLES HILTY RYAN - - - - Cherry Hill, N. J.
JEROLD KAUFMAN - - - - Philadelphia, Pa.	HOWARD NEIL SABARRA - - - - Bayside, N. Y.
JOSEPH FRANCIS KESTNER, JR. - - - Media, Pa.	ANDRES MARIO SALAZAR - - - - San Juan, P. R.
JUDSON HOWARD KIMMEL - - - - Shelocta, Pa.	STEPHEN VICTOR SAVRAN - - - - Merion, Pa.
JACOB KLEIN - - - - Philadelphia, Pa.	MARTIN SCHWARTZ - - - - Linden, N. J.
BARRY KNIAZER - - - - Philadelphia, Pa.	THOMAS SHAVER SCOTT - - - Philadelphia, Pa.
FREDERICK JAMES KOCH - - - - Jeannette, Pa.	RONALD DAVID SEROTA - - - Philadelphia, Pa.
GARTH AVRUN KONIVER - - - - Allentown, Pa.	PAUL DMITRI SHAWALUK, JR. - - - Philadelphia, Pa.
STEPHEN ROBERT KOZLOFF - - - - Camden, N. J.	STEWART DAVID SHULL - - - Philadelphia, Pa.
THOMAS CLARKE KRAVIS - - - - Manhasset, N. Y.	NELSON SIRLIN - - - - Philadelphia, Pa.
LARRY EMANUEL KUN - - - - Broomall, Pa.	THEODORE JOHN SKOWRONSKI - - - Philadelphia, Pa.
ROBERT CHANDLER KURTZ - - - - Pennsauken, N. J.	ALLAN WAYNE SKRENTA - - - - Passaic, N. J.
NORMAN LABEL - - - - Philadelphia, Pa.	GREGORY ANDREW SLACHTA - - - Topsfield, Mass.
JOHN LAZARCHICK - - - - Philadelphia, Pa.	CHARLES WALTER SNYDER - - - - Irwin, Pa.
STEVEN LANCE LEFRAK - - - - Collingswood, N. J.	LAWRENCE KENNETH SNYDER - - - Philadelphia, Pa.
IAN MICHAEL LEV - - - - Philadelphia, Pa.	CHARLES EDWARD SPARKS - - - Philadelphia, Pa.
JOHN LELAND LODER - - - - Leesport, Pa.	LINCOLN SPURGEON - - - - South Dennis, N. J.
WILLIAM ERNEST LOGAN - - - - Media, Pa.	JOHN MICHAEL STACK, JR. - - - Melrose Park, Pa.
FRIEDRICH CAMERON LUFT - - - Albuquerque, N. Mex.	MARK RODGER STEIN - - - - Philadelphia, Pa.
HERBERT JUDE LUSCOMBE - - - Philadelphia, Pa.	ROBERT MICHAEL STEIN - - - Philadelphia, Pa.
BOHDAN MALYK - - - - Camden, N. J.	BRUCE LAWRENCE STEVENS - - - Baldwin, N. Y.
JOHN PAUL MANGES, JR. - - - Philadelphia, Pa.	DONALD HOWARD STOCK - - - Philadelphia, Pa.
HARVEY ALAN MANNES - - - - Cranford, N. J.	RUSSELL JEAN STUMACHER - - - Philadelphia, Pa.
LYNDON EDWIN MANSFIELD - - - Philadelphia, Pa.	SUSAN JONES SYREK - - - - Bryn Mawr, Pa.
MICHAEL LOUIS MARONE - - - Philadelphia, Pa.	IRA ROY TANNEBAUM - - - - Philadelphia, Pa.
JAMES ARTHUR MEADOWCROFT - - - Berwyn, Pa.	STEPHEN JAY THOMAS - - - - Washington, D. C.
JOHN JOSEPH MECH - - - - Irvington, N. J.	NOBLE L. THOMPSON, JR. - - - - Chester, Pa.
WILLIAM LEROY MEDFORD, JR. - - - Philadelphia, Pa.	JAY ANTHONY TOWNSEND - - - - Dauphin, Pa.
GLEN WILLIAM METZ - - - - Allensville, Pa.	JAMES BUDA TURCHIK - - - - Trumbull, Conn.
CARL DAVID METZGER - - - - Philadelphia, Pa.	DONALD GORDON URBAN - - - - Hershey, Pa.
DANIEL JOSEPH MIZAK - - - - Bridgeport, Conn.	VINCENT MICHAEL VACCARO - - - Philadelphia, Pa.
MARTINA MARY MOCKAITIS - - - Mahanoy City, Pa.	RICHARD THOMAS VAGLEY - - - Monessen, Pa.
WILLIAM JOHN MOLINARI, JR. - - - Philadelphia, Pa.	LEON HENRY VENIER - - - - Princeton, N. J.
WILLIAM JOHN MULLIN - - - - Philadelphia, Pa.	SARAH JENNINGS VON DER HEYDE - Philadelphia, Pa.
MORRIS LEE OROCOFSKY - - - Philadelphia, Pa.	FRANK ROBERT WALCHAK - - - Lansdowne, Pa.
JOSEPH EDWARD PALASCAK - - - North Braddock, Pa.	CHARLES ELIOT WEBBER, JR. - - - Wallingford, Pa.
CARL JAY PERGAM - - - - Flushing, N. Y.	ROBERT MARK WEINBERG - - - Philadelphia, Pa.
WARREN CHARLES PHILLIPS, JR. - - - Phillipsburg, N. J.	MALCOLM STUART WEISS - - - Monessen, Pa.
CHARLES EDWIN PROBST, JR. - - - Radnor, Pa.	STEPHEN EDWARD WERNER - - - Worthington, Ohio
HARRY EDGAR RAMSEY, JR. - - - Saxton, Pa.	JOHN STEWART WILLIAMS - - - Mackeyville, Pa.
BARRY MICHAEL REISMAN - - - Fair Lawn, N. J.	JACQUELYN JUNE WILSON - - - - Warwick, N. Y.
KENNETH BOYNTON REYNARD - - - Riverton, N. J.	EDWARD ANTHONY WROBLEWSKI, JR. - Philadelphia, Pa.
ALAN VE RICHMAN - - - - McKeesport, Pa.	HAROLD AMOS YOCUM - - - - Newton Hamilton, Pa.
ROBERT JOSEPH RISIMINI - - - - Millville, N. J.	WALTER GEORGE ZEMEL - - - - Lakewood, N. J.
LEO ARMAND ROBERGE - - - - Bristol, Conn.	FRANCES SUSAN ZENGERLE - - - Boiling Springs, Pa.
JOHN HOLLIS ROBINSON - - - - Wheeling, W. Va.	CHARLES JEFFREY ZWERLING - - - - Rydal, Pa.
ROBERT DAVID ROCKFELD - - - - Brooklyn, N. Y.	

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

DAVID HERBERT MUCH (Microbiology) - - - - -	Chester, Pa.
Thesis: "Immunological Comparison of Mammalian Cell Receptors for Enteroviruses."	
OWEN STUART WEISLOW (Microbiology) - - - - -	Philadelphia, Pa.
Thesis: "Acid Production from Carbohydrates by Heiberg VI Noncholera Vibrios."	

GEOGRAPHICAL RECAPITULATION

THE MEDICAL COURSE	THE MEDICAL SCIENCES
PENNSYLVANIA - - - - - 107	PENNSYLVANIA - - - - - 8
CALIFORNIA - - - - - 2	NEW JERSEY - - - - - 4
CONNECTICUT - - - - - 3	NEW YORK - - - - - 1
DELAWARE - - - - - 1	CHINA - - - - - 1
HAWAII - - - - - 1	GREECE - - - - - 1
MASSACHUSETTS - - - - - 1	KOREA - - - - - 1
NEW JERSEY - - - - - 27	PAKISTAN - - - - - 1
NEW MEXICO - - - - - 1	
NEW YORK - - - - - 8	
OHIO - - - - - 1	
PUERTO RICO - - - - - 1	
RHODE ISLAND - - - - - 1	
VIRGINIA - - - - - 1	
WASHINGTON, D. C. - - - - - 1	
WEST VIRGINIA - - - - - 1	
TOTAL - - - - - 157	TOTAL - - - - - 17

The foregoing additions bring the total number of Graduates in the Medical Course to 21,153.

The foregoing additions bring the total number of names on the list of Graduates in the Basic Medical Sciences to 163.