

6-7-1974

1974 Commencement for Jefferson Medical College, College of Graduate Studies, and College of Allied Health Sciences

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SESQUICENTENNIAL COMMENCEMENT



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

1824  1974

*Friday, June Seventh
Nineteen Hundred and Seventy-Four
Half Past Ten O'clock*

The Academy of Music

PROCESSIONAL Trumpet Voluntary JOHN STANLEY
Trumpet Voluntary in D PURCELL

THE NATIONAL ANTHEM

INVOCATION RABBI DAVID H. WICE
Congregation Rodeph Shalom

CONVOCATION
Opening Remarks PETER A. HERBUT, *President*

CONFERRING 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

ROY GEORGE RINCLIFFE, *Life Trustee*, Thomas Jefferson University, **Doctor of Laws**
Presented by: WILLIAM W. BODINE, JR., *Chairman, Board of Trustees*, Thomas Jefferson University

EUGENE ORMANDY, *Music Director*, The Philadelphia Orchestra Association, **Doctor of Humane Letters**
Presented by: RICHARD C. BOND, *Life Trustee*, Thomas Jefferson University

RENE J. DUBOS, *Professor Emeritus*, The Rockefeller University, **Doctor of Literature**
Presented by: RUSSELL W. SCHAEGLER, *Professor of Microbiology and Chairman of the Department*,
Jefferson Medical College

ROBERT ANDREW HINGSON, *Professor of Anesthesiology*, University of Pittsburgh Schools of Medicine and
Dentistry, **Doctor of Science**
Presented by: JAY JACOBY, *Professor of Anesthesiology and Chairman of the Department*,
Jefferson Medical College

JOSEF WARKANY, *Professor of Research Pediatrics*, University of Cincinnati College of Medicine, **Doctor of Science**
Presented by: ROBERT L. BRENT, *Professor of Pediatrics and Chairman of the Department*,
Jefferson Medical College

MESSAGE TO GRADUATES PRESIDENT HERBUT

BENEDICTION RABBI WICE

RECESSIONAL Pomp and Circumstance ELGAR
W. ERNEST WELLS, *Organist*

Marshal
FRANCIS J. SWEENEY, JR.

SAMUEL S. CONLY, JR.

Faculty Marshals
ROBERT P. GILBERT

JOSEPH S. GONNELLA

ROBERT E. WALL
Jefferson Medical College

Student Marshals
MICHAEL S. BLANK
College of Graduate Studies

JUDITH PINKERTON
College of Allied Health Sciences

The audience is requested to rise when the Academic Procession enters the Auditorium, and at the close of the exercises, to stand at their seats until the recessional is completed.

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 6, 1974

FACULTY AWARDS

The Christian R. and Mary F. Lindback Award for Distinguished Teaching.

Basic Sciences: ANTHONY JOSEPH TRIOLO, B.S., M.S., Ph.D., Associate Professor of Pharmacology.

Clinical Sciences: EDWARD DAVID McLAUGHLIN, B.S., M.D., Associate Professor of Surgery.

AWARDS TO GRADUATING STUDENTS

The Albert Strickler Memorial Prize, sponsored by Mrs. Albert Strickler for the best essay on Cancer.

JOHN SAMUEL JOSEPH BROOKS, JR., (honorable mention: LARRY STEVEN MAPOW).

The Henry M. Phillips Prize in Medicine.

STEVEN RONALD PEIKIN, (honorable mention: THERESA ANNE BURT).

The Practice of Medicine Essay Prize, awarded by bequest of Francis W. Shain, M.D.

DONALD BENO WILLIAMS, (honorable mention: WALTER MICHAEL KOBIALKA).

The Henry M. Phillips Prize in Surgery.

STEVEN RONALD PEIKIN, (honorable mention: LINDA DEVEREUX).

The Surgery Essay Prize, awarded by bequest of Francis W. Shain, M.D.

BRUCE BERNARD VANETT and EDWARD FRANK DRASS

The Clinical Surgery Prize in memory of Francis Torrens Stewart, Professor of Surgery, Jefferson Medical College, 1910-1920.

STEPHAN HARRIS WHITENACK, (honorable mention: ROBERT BROOKE JEFFREY, JR. and THERESA ANNE BURT).

The Gynecology Prize, sponsored by Mrs. Albert Strickler in memory of Lewis C. Scheffey, M.D., Emeritus Professor of Obstetrics and Gynecology.

JAY RICHARD TRABIN, (honorable mention: ANTONIO MEDARDO GRANDA).

The Orthopaedic Surgery Prize, sponsored by Professor John J. Gartland, M.D.

STEVEN MARC WENNER, (honorable mention: THOMAS PRESTON COCHRAN, III).

The Urology Prize, awarded in memory of Dr. Theodore R. Fetter, The Nathan Lewis Hatfield Professor of Urology.

ARNOLD J. WILLIS, (honorable mention: BARRY STEPHEN STEIN).

The Edward J. Moore, M.D. Memorial Prize in Pediatrics.

ANN PACKER GUILLOT, (honorable mention: SUSAN MAY STEVENSON).

The Henry Keller Mohler Memorial Prize in Therapeutics, sponsored by Mr. Jesse Hubschman in memory of his wife, Natalie, to honor Henry Keller Mohler, M.D.

BERTRAM DAVID KAPLAN, (honorable mention: WILLIAM DOUGLAS LAWRENCE).

The Psychiatry Prize.

KENNETH ERIC JAFFE, (honorable mention: RICHARD LOUIS JAFFE).

The S. MacCuen Smith Memorial Prize in Otolaryngology, sponsored by Mrs. Stuart Lodge Bullivant in memory of her father.

ROBERT VINCENT PERUZZI, JR. (honorable mention: JOEL CHARLES ROSENFELD).

The Carroll R. Mullen Memorial Prize in Ophthalmology.

STEPHEN BARRY LICHTENSTEIN, (honorable mention: SCOTT I. LAMPERT).

The Obstetrics and Gynecology Prize, sponsored by Mrs. Sarah George Miller in honor of John B. Montgomery, M.D., Emeritus Professor of Obstetrics.

JAY SCOTT SCHINFELD, (honorable mention: ROBERT BROOKE JEFFREY, JR.).

The Baldwin L. Keyes Prize in Psychiatry, award given in honor of Baldwin L. Keyes, M.D., Sc.D., Emeritus Professor of Psychiatry.

DOUGLAS BARRY GERSH

The William Potter Memorial Prize in Clinical Medicine, award given from a bequest of Mrs. Adaline Potter Wear for highest attainment.

JAMES ALAN KENNING, (honorable mention: ANTONIO MEDARDO GRANDA).

The Alumni Prize, awarded by Jefferson Medical College Alumni Association for the highest cumulative record.

STEVEN RONALD PEIKIN, (honorable mention: BERTRAM DAVID KAPLAN).

The Louis B. Swisher, Jr. Memorial Prize in Anesthesiology.

KATHLEEN FRANCES CHEYNEY

The Philip J. Hodes Prize in Radiology.

ARNOLD J. WILLIS

The E. Harold Hinman Memorial Prize in Community Health and Preventive Medicine, sponsored by family and friends in memory of E. Harold Hinman, Ph.D., M.D., M.P.H., Emeritus Professor of Preventive Medicine.

LINDA DEVEREUX and THOMAS JOSEPH ANSORGE LEHMAN

The Leopold Goldstein Memorial Prize in Obstetrics and Gynecology, sponsored by family and friends in memory of Leopold Goldstein, M.D., for the highest average.

JAY SCOTT SCHINFELD, (honorable mention: STEPHEN A. BAEZ).

The Arthur Krieger Memorial Prize in Family Medicine, sponsored by family and friends in memory of Arthur Krieger, M.D.

WARD GEOFFREY BECKER, (honorable mention: RAYMOND JOSEPH HAUSER and JAMES DAVID PLUMB).

The Dean Marie Banes Memorial Prize in Pediatrics, sponsored by family and friends in memory of Dean Marie Banes, M.D., a graduate of the Class of 1973, for excellence in Pediatrics.

MARILYN MANCO McDONALD, (honorable mention: MARK SANDOR HEISER).

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

STEVEN RONALD PEIKIN, (honorable mention: JAMES ALAN KENNING).

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.

THERESA ANNE BURT, ANN PACKER GUILLOT and BARBARA FRAJOLA ATKINSON

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

LEN EDWIN ENNIS and WILLIAM DOUGLAS LAWRENCE

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

ANTHONY CHRISTOPHER DOUGHERTY

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

JOSEPH ROBERT BERGER

DAVID KARASICK

RAYMOND JOSEPH HAUSER

CLIFTON HOWARD HUNT

BRUCE STEPHEN ZARET

The Richard W. Foster Prize to a graduating student who has made a significant contribution toward the furthering educational programs of Jefferson Medical College.

BRUCE GOODMAN SILVER

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 23, 1974, at a meeting of the College of Graduate Studies.

JOHN FRANCIS SALVENTI

DOCTOR OF LAWS—ROY GEORGE RINCLIFFE

Roy George Rincliffe was born in Sandusky, Ohio, and received his early education in the Ohio school system. He matriculated at Yale University and received the degree of Bachelor of Arts following which he pursued graduate studies at the Massachusetts Institute of Technology and received the degree of Master of Science.

Mr. Rincliffe then launched an outstanding career in the Philadelphia Electric Company and its predecessor companies. He rose from an engineering assistant with the American Gas Company to President and Director of the Philadelphia Electric Company. Subsequently, he was promoted to Chairman of the Board and later to Chairman of the Executive Committee of the same corporation.

A history of the Philadelphia Electric Company, written in 1961, stated, "R. G. Rincliffe became Philadelphia Electric Company's new President. A number of attributes had brought him forward to the position. He learned quickly and retained what he learned. A company way of indicating that someone was eager to learn was to say 'Why, he can ask as many questions as George Rincliffe.' People did things for him because they wanted to."

He was one of the prime movers in the development of nuclear energy as a source of fuel for the generation of electric power. He won the acclamation of his peers and was elected President of the Association of Edison Illuminating Companies and the Electrical Association of Philadelphia.

Mr. Rincliffe has demonstrated an abiding interest in the educational, philanthropic, and health matters of our city. He has served as a Trustee of Drexel University and a Director and Vice President of the United Fund of Philadelphia, as well as a member of the Board of Lay Trustees of St. Joseph's College of Philadelphia. For many years he served faithfully as a member of the Board of Trustees and as the Chairman of the Hospital Committee and a member of the Executive Committee of Thomas Jefferson University. His wise counsel and sage advice were frequently sought by the faculty and officers of the University. He has also served as Director of WHYY, Inc., the Greater Delaware Valley public television station, and as a Director of the Greater Philadelphia Movement.

In recognition of his interests and service to the educational community, he has been awarded honorary degrees by Villanova University, St. Joseph's College of Philadelphia, Drexel University, and the Pennsylvania Military College.

His extraordinary administrative and organizational capabilities have led to his appointment to a wide variety of corporate directorships in the Delaware Valley. These include the Susquehanna Electric Company, the Susquehanna Power Company, the Penn Central Railroad, the Philadelphia National Bank, the Philadelphia Saving Fund Society, the Philadelphia Suburban Water Company, and the Benjamin Franklin Hotel Company.

Mr. Rincliffe has received numerous awards for his public service activities including the Commerce and Industry Award of the Chamber of Commerce of Greater Philadelphia; the National Conference of Christians and Jews National Human Relations Award; the Army's Patriotic Civilian Service Emblem; the Philadelphia Press Association—Dean Award; the Philadelphia Crime Commission's Citizens Action Award; and the Chestnut Street Association Man of the Year Award.

Mr. Rincliffe is married to the former Eulalia C. Peterson, long a leader in activities of the Women's Board of Thomas Jefferson University Hospital. Mrs. Rincliffe's father, Hiram Deway Peterson, M.D., graduated from Jefferson Medical College in 1898. Mr. and Mrs. Rincliffe are the parents of three daughters.

In addition to all of his other accomplishments, Mr. Rincliffe is an outstanding food and wine gourmet.

DOCTOR OF HUMANE LETTERS—EUGENE ORMANDY

Eugene Ormandy was born in Budapest on November 18, 1899. He was barely more than an infant when his father tucked a violin, one-eighth the regular size, under his chin. When he was five years old, Master Ormandy entered the Royal Academy of Music in Budapest and at age nine he became a pupil of the great violinist, Jenő Hubay, after whom he was named (Eugene is translated as Jenő in Hungarian).

Eugene Ormandy received his professor's diploma at the Royal Academy and was given degrees in violin, composition, and counterpoint when he was only seventeen years old. Between extensive concert tours as a virtuoso, he taught in Budapest at the State Conservatory. In 1921, a long-cherished ambition was realized when he was invited to make a concert tour to the United States. The tour was beset by many difficulties and the young artist found himself in a strange country without funds or friends. However, his musical talent and self-determination served him well and he became in short time a well-known conductor on American radio.

The turning point in his career came in 1931 when Arturo Toscanini suddenly became ill and was unable to guest conduct the Philadelphia Orchestra. Mr. Ormandy accepted an invitation to be his replacement and scored an overnight sensation. In the audience was a representative from the Minneapolis Symphony Orchestra, who was looking for a successor to their ailing maestro, Henri Verbruggen. Mr. Ormandy was immediately signed as guest conductor and shortly thereafter as permanent conductor. He returned to the Philadelphia Orchestra as a guest conductor for five weeks each year. He held the post at Minneapolis until 1936 when he was invited to return to Philadelphia—this time as Music Director and Conductor.

Since that time, Mr. Ormandy has guided the Philadelphia Orchestra on a course to musical world leadership, whether it be at home in Philadelphia's historic Academy of Music, on tour across America, in summer residence at the Saratoga Performing Arts Center, or on tours around the world.

Among the countless tributes and honors bestowed upon the Philadelphia Orchestra's legendary maestro is the highest civilian award of the United States Government, the Presidential Medal of Freedom, which President Nixon presented to Mr. Ormandy in the Academy of Music on January 24, 1970. He also holds the highest award the Austrian government can bestow upon a civilian, the Honor Cross for Arts and Sciences, First Class. In addition, he received the coveted Philadelphia Award and the National Recognition Award of the Freedoms Foundation in early 1970. Mr. Ormandy is a Commander of the French Legion of Honor, a Knight of the Order of the White Rose of Finland, a holder of the medals of the Mahler and Bruckner Societies, and has been awarded honorary doctorate degrees from seventeen major universities and schools of music. He was presented with a Distinguished Citizen's Award by Governor Milton J. Shapp of Pennsylvania at the Gala Opening Concert of the 1971-72 concert season. In 1972, Mr. Ormandy was made a Commandatore of Merit of the Italian Republic by the Government of Italy.

DOCTOR OF LITERATURE—RENE J. DUBOS

René Dubos, Professor Emeritus of The Rockefeller University in New York City, is a microbiologist and experimental pathologist who first demonstrated over thirty years ago the feasibility of obtaining antibiotic drugs from microbes.

Among his other scientific achievements are the development of a rapid method for growing single tubercle bacilli in submerged cultures, important in the study of tuberculosis, and investigations on the mechanisms of acquired immunity, as well as natural susceptibility and resistance to infection. More recent studies have dealt with the role of microorganisms in the development and functions of the gastro-intestinal tract.

Recently, Doctor Dubos has been intensely concerned with the effects that environmental forces—physico-chemical, biological, and social—exert on human life.

His interest in the biological and mental effects of the total environment have led him to become involved in the socio-medical problems of underprivileged communities, as well as in those created by economic affluence in industrialized countries. He has particularly emphasized the part played by so-called "early influences," that is, the environmental factors that impinge on the developing organisms during the pre-natal and early post-natal period. These early influences create results that affect biological and mental characteristics throughout the whole life span, and even into the following generation.

Doctor Dubos is well-known as an author, lecturer, and philosopher, as well as a scientific investigator. He has published many books, one of which, "So Human an Animal," was awarded a Pulitzer Prize.

He was born in Saint Brice, France, on February 20, 1901. He came to the United States in 1924 and became an American Citizen in 1938. In France he studied at the College of Chaptal and Institut National Agronomique in Paris. Subsequently, he received his Ph.D. degree at Rutgers University in 1927.

Doctor Dubos has been a faculty member of The Rockefeller University since 1927, except for the period 1942 to 1944 when he was the George Fabyan Professor of Comparative Pathology and Professor of Tropical Medicine at the Harvard University Medical School. Since 1946 Doctor Dubos has been an editor of the *Journal of Experimental Medicine*, published by The Rockefeller University Press. He is a member of many prestigious societies and is past President of the Harvey Society and the Society of American Bacteriologists.

For his scientific contributions, Doctor Dubos has received many awards, including: the John Phillips Memorial Award of the American College of Physicians in 1940; the Mead Johnson Award of the American Academy of Pediatrics in 1940; the Gordon Wilson Medal of the American Clinical and Climatological Association in 1946; the Lasker Award in Public Health of the American Public Health Association in 1948; the Trudeau Medal of the National Tuberculosis Association in 1951; and more recently the Phi Beta Kappa Award for his books "The Unseen World" in 1963, and "Man Adapting" in 1965.

As a tribute to his contributions to science and medicine, he has received over two dozen honorary degrees from universities in the United States, France, Brazil, Israel, and Canada.

DOCTOR OF SCIENCE—ROBERT ANDREW HINGSON

Born in Alabama, Robert Andrew Hingson earned his bachelor's degree at the University of Alabama and his medical degree at Emory University School of Medicine. He entered the United States Public Health Service and interned in the Public Health Service Hospital at Staten Island, New York. Subsequently, he served a residency and fellowship in anesthesiology in the Mayo Clinic.

During the early years of his career, he was the Director of Anesthesia at the Lying-In Hospital in Philadelphia. His pioneer work in regional anesthesia was done at this hospital, the Pennsylvania Hospital, and Jefferson Medical College and Hospital where he worked very closely with Professors Norris W. Vaux, William T. Lemmon, and Dr. Clifford B. Lull in developing and promoting caudal and peridural anesthesia for childbirth.

In addition to his outstanding work in obstetrics and anesthesiology, he has been a medical missionary to many underdeveloped nations of the world. He developed the jet injector which made possible rapid, painless injections without the need to sterilize needles and syringes. He has promoted and conducted mass immunization programs in many countries in Latin America and Africa. These have been responsible for curtailing or eradicating a number of infectious diseases.

Doctor Hingson is the founder of Operation Brother's Brother—an organization devoted to the improvement of the health of people in emerging countries. He has been honored by the governments of Bolivia, Costa Rica, Honduras, Libya, Nicaragua, and Venezuela for his work in public health. He has received honorary degrees from a number of universities in this country and Africa.

Doctor Hingson was the Founder-Professor of Anesthesia at the University of Tennessee and Western Reserve University and is presently Professor of Anesthesiology and Professor of Public Health at the University of Pittsburgh School of Medicine and Dentistry. He is the Director of Anesthesiology at the Magee-Women's Hospital in Pittsburgh. In addition, he has served as a consultant in Anesthesiology to many organizations and academic institutions and has contributed over one hundred articles and books to the medical literature.

DOCTOR OF SCIENCE—JOSEF WARKANY

A native of Austria, Josef Warkany earned his doctor of medicine at the University of Vienna. He served his internship at the University Pediatric Clinic and took further training in Pediatrics in Vienna prior to coming to the United States.

In 1932 he was appointed Assistant Professor of Pediatrics at the University of Cincinnati and has remained at this institution where he is now Professor of Research Pediatrics. He is also Founder and Director of the Mental Retardation Research, Institute for Developmental Research, Children's Hospital Research Foundation, Cincinnati, Ohio. At that institution he is not only respected for his scientific acumen, clinical expertise and inventiveness, but also for his unique sense of humor and personal interest in young scientists and students.

Doctor Warkany has made outstanding contributions in the field of experimental teratology and clinical pediatrics. In 1940, as a result of his work, there was an abrupt transition in teratology from what was a relatively obscure discipline concerned with abnormal development in lower animals to a vigorous experimental science with direct application to human problems.

Doctor Warkany's early research on the environmental causes of malformation was a major contribution to medicine. He established the fact that the embryo was not impervious to extrinsic influences and that environmental factors could alter the course of normal development.

Equally successful at the bedside, he discovered that the cause of acrodynia (pink disease) was a hypersensitivity to mercury.

Professor Warkany was very instrumental in the organization and incorporation of the Teratology Society in the United States and was its first President. Lately, he has been deeply involved in organizing international meetings and workshops in teratology where he has served in effect as our "scientific ambassador," intuitively knowing how to win the minds and hearts of scientists from every part of the world.

He is a member of the American Pediatric Society; Society for Pediatric Research; Academy of Medicine in Cincinnati; the Societe de Pediatrie, Paris; and in recognition of his artistic talents, a member of Who's Who in American Art.

He has contributed over one hundred and fifty scientific articles to the medical literature and has published an extensive text on congenital malformations. He has been the recipient of a number of scientific awards, including the Mead Johnson Award and the Borden Award of the Academy of Pediatrics; the Annual Award of Sigma Xi of the University of Cincinnati; the 1966 Honors Award of the American Cleft Palate Association; the 1969 Max Weinstein Cerebral Palsy Award, United Cerebral Palsy Associations, Inc.; the Howland Award, American Pediatric Society, in 1970; and the Charles H. Hood Foundation Award in 1972.

JAY G. WEISBERGPhiladelphia, Pa.
STEVEN MARC WENNERPhiladelphia, Pa.
MICHAEL WENOFKing of Prussia, Pa.
STEPHAN HARRIS WHITENACKBedford, N. Y.
HAROLD BRUCE WIGHTONMorris Plains, N. J.
DONALD BENO WILLIAMSHazleton, Pa.
ARNOLD J. WILLISPhiladelphia, Pa.

REGINALD DOUGLAS WILLSPhiladelphia, Pa.
WALTER B. WORHACZShamokin, Pa.
WALTER FRANKLIN WRENN, IIIPhiladelphia, Pa.
ERNIE MUN SUN YIMKaneohe, Hawaii
DENNIS MICHAEL YOUNGWilmington, Del.
STEVEN MARC ZAMOREBrooklyn, N. Y.
BRUCE STEPHEN ZARETPhiladelphia, Pa.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

BASIL GEORGE PAPANICOLAOU (Physics).....Athens, Greece
Thesis: "Cathodoluminescence of Copper and Nickel."
JOYCE ANN SCHOEMAKER (Microbiology)Canton, Ohio
Thesis: "Cytoplasmic Accumulations in a Temperature Dependent Cell Division Defective Mutant of *E. Coli* 15T"

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE (CLINICAL MICROBIOLOGY)

FREDERICK CARL BLANK, JR.Philadelphia, Pa.
DIANE BLECHMANGlenside, Pa.
MARSHA ELAINE ELKINSPhiladelphia, Pa.
LANCE ERICSONPhiladelphia, Pa.
GEORGANNE KRETSCHMANPhiladelphia, Pa.
CHRISTINE VANWEGEN MURPHYPhiladelphia, Pa.
DAVID KETCHAM OHASHINorristown, Pa.
JAMES ARTHUR POUPARDPhiladelphia, Pa.
LORETTA FLORENCE ROCCOPhiladelphia, Pa.
SISTER REGINA CATHERINE ROWAN ..Philadelphia, Pa.
JANE ELEANOR STIPCEVICHWestmont, N. J.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (MEDICAL TECHNOLOGY)

ERICA MARIE BRANCHPhiladelphia, Pa.
STEPHANIE BARBARA COLEPhiladelphia, Pa.
ASHA N. DALALWillow Grove, Pa.
ANDREA PHYLLIS DEITZOreland, Pa.
MONA LISA DiBARTOLOMEOAmsterdam, N. Y.
SURESH GANGJI GALAPhiladelphia, Pa.
DANIEL LEE JACQUESOreland, Pa.
LEONARD JOACHIMPhiladelphia, Pa.
MARILYN MARGARET KENISUpper Darby, Pa.
THOMAS EDWARD LEAHEYMilford, Conn.
CLAUDIA ERICA LEVYTrumbauersville, Pa.
JOSEPH J. MANCINELLIPhiladelphia, Pa.
LAUREN SARI ROBERTSRego Park, N. Y.
MARSHA WENDY SCHILDHORN ..Cornwells Heights, Pa.
SUSAN SCHOTTENFELDCherry Hill, N.J.
DONNA SCHWARTZHewlett, N. Y.
BARBARA LYNN UTLEYPhiladelphia, Pa.
SUSAN JOYCE WHITEDrexel Hill, Pa.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (NURSING)

DEBORAH HEDY BOEHMElkins Park, Pa.
LINDA BUCHERWoodbury, N. J.
JANE LOWENTHAL BUCKMANCamden, N. J.
NANCY MEIER CALABRESECamden, N. J.
JOSEPHINE ANN CATANZAROPhiladelphia, Pa.
KATHLEEN GILLARD COMEAUXArdsley, Pa.
RUTH B. CONLONPhiladelphia, Pa.
DOLORES ANN COYLEPhiladelphia, Pa.
BETSY ANN DAVISChester Springs, Pa.
JANICE GAIL DEBAUNJuno Beach, Fla.
MARY ANN ERTHALBerwyn, Pa.
ELLEN ANNE GELLARMelrose Park, Pa.
CAROL ILENE GORDONNorth Bellmore, N. Y.
MERLE SCHWARTZ GOTTHEIMLindenwold, N. J.
PATRICIA MARY O'HALLORAN HAGGERTY
Philadelphia, Pa.
JANE ALICE HUMMELEaston, Pa.
LORRAINE MONICA MUELLER HWOZDEK
Philadelphia, Pa.
STUART A. LAZARPhiladelphia, Pa.
JUDITH ANN LYNCHPhiladelphia, Pa.
PATRICIA ANNE MAGUIREGlenside, Pa.
ELAINE CAROL MANNHERZSouthampton, Pa.
NANCY LOUISE MATTERALevittown, Pa.
CAROLYN JEAN McCORMICKDrexel Hill, Pa.
MICHAEL JAMES McLANEPhiladelphia, Pa.
ROBYN LYNN GESEMYER MIDOUHAS ..Morrisville, Pa.
LYNDA G. MINTZAndalusia, Pa.
DONNA M. NICOLOPhiladelphia, Pa.
THERESA MARIE O'CONNORPhiladelphia, Pa.
ELIZABETH OLIVERJenkintown, Pa.
ADELE BARKER O'NEILLWayne, Pa.
MARY ELIZABETH PAYNEPhiladelphia, Pa.
LEIGH ANNE PIERSONWest Chester, Pa.
MARIANNE PREVITIPleasantville, N. J.
JUDITH ANNE SEDMAKPhiladelphia, Pa.
SHERRY LEE TAYLORFleetwood, Pa.
ANN VERA TIMMONSNewark, Md.
VALERIE WALTERConshohocken, Pa.
GAIL ELAINE WEIANTMoorestown, N. J.
LINDA PREPSTEIN WEISBURGAlexandria, Va.
ROSEMARY ANNE WOZNYClifton Heights, Pa.

As final action cannot always be taken before the program goes to press, Thomas Jefferson University reserves the right to add or withdraw names from the list of candidates for degrees.

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- ALLEN BARRY ADOLPHE (Pharmacology) Bergenfield, N.J.
Thesis: "Pharmacological Studies of the Antineoplastic Antibiotic Streptozotocin."
- JOHN ROSS BOWER (Physics) Idaho Falls, Idaho
Thesis: "Studies of Electronic Properties of Surfaces by Optical Harmonic Generation."
- RICHARD DAVID COHN (Pharmacology) Philadelphia, Pa.
Thesis: "The Protective Effect of LSD on the Toxicity and Anticholinesterase Action of DFP."
- MARIE ANNETTE D'AGOSTINO (Biochemistry) Drexel Hill, Pa.
Thesis: "Studies on Rat Liver Mitochondrial DNA Synthesis:
I. Inhibition by Sulfhydryl Compounds
II. Stimulation by Cytoplasmic Factors from Regenerating and Neoplastic Tissues."
- FRANK P. DOMBKOSKI (Physiology) Philadelphia, Pa.
Thesis: "Effects of Hypoxia on Intrapulmonary Mast Cells."
- SAMUEL GREGG FRANKLIN (Biochemistry) Burlington, N.J.
Thesis: "Bovine Spleen Cathepsins B1:
Purification, Properties and Effect on the DNA Template Activity in Nuclei and Chromatin."
- JOHN JOSEPH GADAROWSKI, JR. (Physiology) Willimantic, Conn.
Thesis: "The Inhibition of Plasma Coagulation and Ellagic Acid Activation of Hageman Factor by RNase,
Lysozyme and their Derivatives."
- CHARLOTTE HELEN GREENE (Physiology) Bristol, Pa.
Thesis: "Adrenal Cortical Response to Induced Myocardial Infarction, Carbon Monoxide Exposure and Ex-
perimental Ventricular Fibrillation in the Cynomolgus Monkey."
- NICHOLAS JOHN GREGO (Physiology) New Hyde Park, N.Y.
Thesis: "Effects of Certain Stimuli on Gastric Secretion in the Cat."
- DVORA BUCHMAN HAMI (Physiology) Tel Aviv, Israel
Thesis: "The Effect of Microwave Radiation on the Embryo's Response to Cancer Chemotherapeutic Agents."
- LOWELL EDMUND KOBRIN (Anatomy) Miami Beach, Fla.
Thesis: "Effects of a Teratogenic Antiserum on the Development and Function of the Rat Yolk Sac."
- ELAINE DECUSATIS MACKOWIAK (Pharmacology) Philadelphia, Pa.
Thesis: "The Non-enzymatic Decarboxylation of DOPA and Partial Purification of Aromatic L-Amino Acid
Decarboxylase."
- LEWIS FOLLETT MCLEAN (Physiology) Whitemarsh, Pa.
Thesis: "Gravitational Influences on the Afferent and Efferent Components of Mandibular Reflexes."
- CLIFFORD JAMES NOBLE (Physics) Dargaville, New Zealand
Thesis: "Studies of Relativistic Effects in the 2-Nucleon Interaction Using the Bethe-Salpeter Equation."
- JOHN FRANCIS SALVENTI (Microbiology) Ligonier, Pa.
Thesis: "Dynamics of the Indigenous Microbiota of Mice: Lactobacilli-Coliform Interactions."
- MARGARETE SCHEBALIN (Physiology) Ambler, Pa.
Thesis: "Studies on the Mechanism of Amylase Release in the Perfused Rabbit Pancreas."
- THOMAS JOSEPH WADE (Microbiology) Cherry Hill, N.J.
Thesis: "A New Gas Chromatographic Characterization Procedure: Studies on the Differentiation of Non-
fermentative Gram Negative Bacteria."
- PAUL R. WEBER (Pharmacology) Reading, Pa.
Thesis: "The Effects of the Insecticides Parathion and Nicotine on the Metabolism and Disposition of the
Carcinogen, 3, 4-Benzpyrene."
- NORMAN REED WEST (Pharmacology) Kensington, Md.
Thesis: "Studies of the Absorption, Distribution, Metabolism and Excretion of Trifluoperazine in Rats and its
Excretion in Human Urine."

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GEOGRAPHICAL RECAPITULATION

	Jefferson Medical College	College of Graduate Studies	College of Allied Health Sciences
Pennsylvania	141	19	43
Other States	48	10	15
Foreign Countries	<u>1</u>	<u>3</u>	<u>—</u>
TOTAL	190	32	58
 The total number of graduates to date	 22,233	 268	 78

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>	Thomas Jefferson University	<i>white and cherry</i>	Temple University