

6-10-1977

1977 Commencement for Jefferson Medical College, College of Graduate Studies, and College of Allied Health Sciences

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153RD
COMMENCEMENT



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

1824-1977

*Friday, June Tenth
Nineteen Hundred and Seventy-Seven
Half Past Ten O'clock*

The Academy of Music

PROCESSIONAL Trumpet Voluntary JOHN STANLEY
The Jefferson Processional BURLE MARX

THE NATIONAL ANTHEM

INVOCATION The Reverend JAMES N. MAMALIS
Greek Orthodox Cathedral of St. George

CONVOCATION

Opening Remarks GEORGE M. NORWOOD, JR., *Interim President*

CONFERRING OF DEGREES IN COURSE PRESIDENT NORWOOD

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 MARTEN M. KERNIS, *Dean*
College of Allied Health Sciences

CONFERRING OF HONORARY DEGREES PRESIDENT NORWOOD

DEREK E. DENNY-BROWN, *Medical Scientist, Doctor of Humane Letters*
Presented by: RICHARD A. CHAMBERS, *Professor of Neurology and Chairman of the Department,*
Jefferson Medical College

MILLARD E. GLADFELTER, *Educator, Doctor of Humane Letters*
Presented by: WILLIAM W. BODINE, JR., *Chairman, Board of Trustees,* Thomas Jefferson Uni-
versity

HOBART A. REIMANN, *Physician-Scholar, Doctor of Science*
Presented by: JOHN H. HODGES, *Ludwig A. Kind Professor of Medicine,* Jefferson Medical College

MESSAGE TO GRADUATES PRESIDENT NORWOOD

BENEDICTION REVEREND MAMALIS

RECESSIONAL Pomp and Circumstance ELGAR

W. ERNEST WELLS, *Organist*

Marshal

FRANCIS J. SWEENEY, JR.

Faculty Marshals

SAMUEL S. CONLY, JR.
JOSEPH S. GONNELLA

RHONDA KARP
JOHN H. KILLOUGH

JEROME R. MARKS
JAMES H. ROBINSON

Student Marshals

NEIL HOWARD SHUSTERMAN
Jefferson Medical College

THOMAS J. DOUGHERTY
College of Graduate Studies

BONNIE DYMEK
College of Allied Health Sciences

The audience is requested to remain seated during the Academic Procession and Recession.

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 9, 1977

FACULTY AWARDS

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

BASIC SCIENCES: WARREN R. LANG, A.B., M.D., Assistant Professor of Pathology and Professor of Obstetrics and Gynecology.

CLINICAL SCIENCES: EDWARD HENDERSON McGEHEE, B.A., M.D., Professor of Family Medicine and Clinical Associate Professor of Medicine.

AWARDS TO GRADUATING STUDENTS

The Albert Strickler Memorial Prize, sponsored by Mrs. Albert Strickler for the best essay on Cancer.
SANDRA J. TEMS, (honorable mention: BRUCE GILBERT)

The Henry M. Phillips Prize in Medicine.
RANDY VENERANDO CAMPO, (honorable mention: JAMES CALVIN FOLK)

The Practice of Medicine Essay Prize, awarded by bequest of Francis W. Shain, M.D.
JOHN DAVID BARTGES, (honorable mention: HERBERT PATRICK)

The Henry M. Phillips Prize in Surgery.
J. HARTLEY BOWEN, III, (honorable mention: ROBERT E. ATKINSON)

The Clinical Surgery Prize in memory of Francis Torrens Stewart, M.D., Professor of Surgery, Jefferson Medical College, 1910-1920.
RALPH ANTHONY CARABASI, III, (honorable mention: ERIC CHARLES JAXHEIMER)

The Gynecology Prize, sponsored by Mrs. Albert Strickler in memory of Lewis C. Sheffey, M.D., Emeritus Professor of Obstetrics and Gynecology.
CAROLYN DILWORTH RUNOWICZ, (honorable mention: ROSALIE WINTER WESSELL)

The Orthopaedic Surgery Prize, sponsored by Professor John J. Gartland, M.D.
JAMES PHILIP BAGIAN, (honorable mention: GLENN DAVID BARNES)

The Urology Prize, awarded in memory of Theodore R. Fetter, M.D., The Nathan Lewis Hatfield Professor of Urology.
CAROLYN DILWORTH RUNOWICZ

The Edward J. Moore, M.D. Memorial Prize in Pediatrics.
JAMES CALVIN FOLK, (honorable mention: MICHAEL THOMAS BRADY)

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.
CAROLYN DILWORTH RUNOWICZ, (honorable mention: JOHN JOSEPH KELLEMAN)

The Psychiatry Prize.
WADE HAYHURST BERRETTINI, (honorable mention: THOMAS CHARLES BENFIELD)

The S. MacCuen Smith Memorial Prize in Otolaryngology, sponsored by Mrs. Stuart Lodge Bullivant in memory of her father.
WARREN BRUCE MATTHEWS, (honorable mention: SHELDON JAY FREEDMAN)

The Carroll R. Mullen, M.D., Memorial Prize in Ophthalmology.
EDITH SUSANNA EISENHOWER, (honorable mention: CAROL ANN DOROSHOW)

The Obstetrics and Gynecology Prize, sponsored by Mrs. Sarah George Miller in honor of John B. Montgomery, M.D., Emeritus Professor of Obstetrics and Gynecology.
STEPHEN HENRY FEHNEL, (honorable mention: DAVID ROBERT McDONALD)

The Baldwin L. Keyes Prize in Psychiatry, award given in honor of Baldwin L. Keyes, M.D., Sc.D., Emeritus Professor of Psychiatry.
MARK WILLIAM MAXWELL, (honorable mention: THOMAS CHARLES BENFIELD)

The William Potter Memorial Prize in Clinical Medicine, award given from a bequest of Mrs. Adaline Potter Wear for highest attainment.
RANDY VENERANDO CAMPO, (honorable mention: JAMES FRANCIS BURKE)

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

JEFFREY BERNARD GROSS, (honorable mention: MICHAEL THOMAS BRADY)

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

RICHARD ALFRED CRAIG

The Philip J. Hodes Prize in Radiology.

MARK WARREN COOPER, (honorable mention: BLAIR ARDMAN)

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.

WARREN BRUCE MATTHEWS, (honorable mention: KAREN LUTZ YTTERBERG)

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 in Obstetrics and Gynecology.

LARRY JAY SCHOENFELD and CYNTHIA LOUISE SEARS

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

HERBERT PATRICK, (honorable mention: SYLVIA LORENE BEIMFOHR)

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

JOHN RITTER DIETZ

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.

KAREN LUTZ YTTERBERG, (honorable mention: GARY WILLIAM LAWRENCE)

The Hubert Spencer Sear Memorial Prize in Radiology, sponsored by family and friends in memory of Hubert Spencer Sear, M.D., a graduate of the Class of 1950.

MICHAEL EDWARD FISCHER

The Alexander and Lottie Katzman Award in Gastroenterology. Sponsored by Dr. and Mrs. Joseph Medoff in memory of Mrs. Medoff's parents. Awarded to the student who has shown the greatest proficiency in Gastroenterology as judged by the faculty of this division.

JEAN A. HALPERN, (honorable mention: CYNTHIA LOUISE SEARS)

The Paul D. Zimskind Memorial Prize in Urology, sponsored by the National Urologic Forum, in memory of Paul D. Zimskind, M.D., Ph.D., The Nathan Lewis Hatfield Professor of Urology, for academic excellence in the urologic field.

KENT VAN TUYL CAREY, (honorable mention: JOHN DAVID BARTGES)

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

JEAN A. HALPERN, (honorable mention: PAUL LOUIS URBAN)

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

JAMES FRANCIS BURKE and CYNTHIA LOUISE SEARS

W. B. Saunders Company Prize to an outstanding student in the Senior Year. Medical Publications.

JAMES CALVIN FOLK

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

JAY ARTIS PEACOCK

GEOFFREY RALPH BURBRIDGE

DAVID ROBERT McDONALD

SAMUEL MATTHEW LESKO

JOHN RITTER DIETZ

Additional prize issued June 10, 1976 after publication to:

MICHAEL HERBERT LEVY

The Richard W. Foster Prize to a graduating student who has made a significant contribution to the College.

WILLIAM ERNEST EGGBROTEN

The Charles W. 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 18, 1977 at a meeting of the College of Graduate Studies.

THOMAS K. BILLS

DOCTOR OF HUMANE LETTERS—DEREK ERNEST DENNY-BROWN

Derek Ernest Denny-Brown was born in Christchurch, New Zealand, on June 1, 1901. He received his M.B. and Ch.B. from Otago University in New Zealand in 1924 and became a Demonstrator in Anatomy. Interested in problems of posture and movement, the young anatomist was skeptical about some of the prevailing views and he went to Oxford University in England where he was a Beit Fellow from 1925 to 1928.

From 1928 to 1931 he was Resident Medical Officer at the National Hospital, Queen Square, London, and from 1931 to 1935 he was Registrar in Neurology at Guy's Hospital. Here his studies continued, both in animals and in man.

In 1935 Dr. Denny-Brown was elected to full staff appointment, Assistant Physician, at the National Hospital. The same year he became Neurologist at Saint Bartholomew's Hospital.

In 1936 Dr. Denny-Brown went to Yale University and studied the activity of the frontal lobes in monkeys. American scholars had a chance to see and hear first-hand the young man who could speak with knowledge and authority about both clinical and laboratory investigation.

Dr. Denny-Brown became Director of the Neurological Unit at the Boston City Hospital in 1939, but when the war broke out he returned to Great Britain to organize a military hospital for head injuries. In 1941 he returned to the United States and to the Neurological Unit at Boston City Hospital and also assumed the position of Professor of Neurology at Harvard Medical School.

The Neurological Unit was a remarkable place. Standards were set and they were maintained, both in the clinic and in the laboratory. Rounds, conferences, clinico-pathological exercises, and seminars were abundant. Dr. Denny-Brown accomplished much in those years. He saw or heard about every patient admitted to the Neurological Service and did two or three months of active visiting on the wards each year. The Neurological Unit has provided the major part of the graduate training for a large proportion of the chairmen of academic departments of neurology in North America.

From 1944 to 1946 he served again with the British Army and while in India became interested in the nutritional problems of prisoners of war and published his observations after the war.

In 1946 he returned to Harvard and Boston as the James Jackson Putnam Professor of Neurology—a position he held until 1968. In 1967 he became Chief of the Section on Neurophysiology and Associate Director of the New England Regional Primate Research Center.

Dr. Denny-Brown served on the Board of Consultants of the National Institutes of Health from 1962 to 1966 and in 1972 became a Fogarty Scholar-in-Residence at the NIH.

He has received honorary degrees from Harvard, Wayne State, Otago, and Glasgow. In 1942 he received the decoration, Officer in the Order of the British Empire, for his work on care of military casualties with head injury. He is an Honorary Fellow of the Royal Society of Medicine, of the College of Physicians of South Africa, and of the Swedish Society of Medical Sciences. He has received the Sherrington Medal, the Leonard Wood Award, the Jacoby Award, and the Modern Medicine Award. He served as President of the Boston Society of Psychiatry and Neurology, of the American Association of Neuropathologists, and of the American Neurological Association. He received a citation in 1947 for his contribution to the work of the Office of Scientific Development in World War II, and another from the Navy in 1964 for his work at Chelsea Naval Hospital.

Dr. Denny-Brown seems never to grow tired. He is a splendid conversationalist and story-teller who knows and loves music, art, and literature. He is a fine sailor and at his summer home in Hancock Point, Maine, spends much of his time under sail.

He is married to the former Sylvia Summerhayes and they are the parents of four sons.

DOCTOR OF HUMANE LETTERS—MILLARD ELWOOD GLADFELTER

Millard Elwood Gladfelter is well known in Philadelphia in general and to the academic community in particular. He was born in rural York County, Pennsylvania, and received his primary and secondary education in York. In addition to his many accomplishments he has a special interest in the history of the Commonwealth of Pennsylvania and lectures on the culture, folklore, and history of the Pennsylvania Dutch.

His Bachelor of Arts Degree was earned at Gettysburg College, his Master of Arts from the University of Wisconsin, and his Doctor of Philosophy was awarded by the University of Pennsylvania.

He began his illustrious career in education as a teacher of history and later became a Principal and supervising Principal in the West York School system. In 1931 he moved to Temple University as Director of the High School. Over the ensuing three decades his superiors and his peers recognized his ability, accomplishments and devotion to Temple University in many ways. His career was capped in 1967 when he was appointed Chancellor of the University. Previously he had been President, Vice President and Provost, and Registrar.

During his tenure as President, Temple University achieved national prominence and assumed a leadership position in the educational community. Dr. Gladfelter led his institution into a fruitful partnership with the state of Pennsylvania with Temple becoming a key part of the Commonwealth's system of higher education.

He has served in many educational capacities including the Executive Committee of the Pennsylvania State Council on Education, as President of the Middle States Association of Colleges and Secondary Schools, as President of the Pennsylvania Association of Colleges and Universities, and many others.

His community interests are numerous and include involvement in the Kiwanis Club, the Boy Scouts of America, the Philadelphia Chamber of Commerce, the United Fund, the Goodwill Industries, and the Philadelphia '76 Bicentennial Corporation. He has had a long and abiding interest in the Lutheran Church and its educational activities. Dr. Gladfelter has served on the Board of many educational and business organizations including Muhlenberg College, Ursinus College, Gettysburg College, the Philadelphia Bible Society, the Philadelphia Free Library, the Philadelphia Life Insurance Company, and the Continental Bank and Trust Company.

Many honors have been bestowed on Millard Gladfelter including an honorary degree from his alma mater and 17 other institutions of higher learning—a tribute to his educational and administrative prowess. He has also received the National Humanitarian Award of the National Conference of Christians and Jews, and the Samuel S. Fels Medal.

A special interest of Dr. Gladfelter's is painting and his oils have been shown in several exhibitions. Dr. Gladfelter is married to the former Martha Louise Gaut and they have two sons.

DOCTOR OF SCIENCE—HOBART ANSTETH REIMANN

Hobart Ansteth Reimann was born in Buffalo, New York, on October 31, 1897, and received his medical degree from the University of Buffalo in 1921. He subsequently served his internship at the Buffalo General Hospital and then spent several years as an Assistant in the Hospital of the Rockefeller Institute where he engaged in clinical investigative work. In 1926 he went to Europe to spend a year as a Fellow in Pathology in Prague.

His teaching career began as Associate Professor of Medicine in the Peking Union Medical College in China, where he continued active research for three years. He returned to the United States and was appointed Associate Professor of Medicine at the University of Minnesota Medical School in Minneapolis. Shortly thereafter he was appointed Professor of Medicine and Head of the Department of Medicine at that institution.

Dr. Reimann was appointed the Magee Professor of Medicine and Chairman of the Department of Medicine at Jefferson in October 1936. He came to Jefferson with a reputation for attainment in scientific medicine, particularly in the area of Infectious Diseases, especially pneumonia, typhus, and scarlet fever.

The Department of Medicine underwent tremendous expansion during his years at Jefferson in spite of many adversities—including the Great Depression. He will always be remembered for his "grand rounds" and sessions in the Clinical Amphitheater when students, house officers and faculty were frequently subjected to intense quizzing which moved one to commit to memory the clinical facts concerning 20 or 30 patients so as not to be embarrassed by the "Professor". He never permitted the neophyte to become imprecise, sloppy in dress or manner, or to show any lack of respect for fellow humans.

Dr. Reimann resigned as the Magee Professor of Medicine and Chairman of the Department at Jefferson in October of 1951. Following his departure from Jefferson, he served as a visiting Professor of Medicine at the American University of Beirut in Lebanon from 1952 to 1954, as a visiting Professor of Medicine at the University of Indonesia in 1955, and as visiting Professor of Medicine at the University of Shiraz (Persia) from 1957 to 1959. In 1960 Dr. Reimann returned to Philadelphia as Professor of Medicine at the Hahnemann Medical College where he continues his activities.

His honors and awards are numerous. He received the Charles V. Chapin Medal from the Rhode Island State Medical Society in 1951 and was cited for distinguished service in medical education by the University of Buffalo, his alma mater, in 1951. He has also received the Hahnemann Corporation Medal for Distinguished Service in 1969 and the Shaffrey Award of the Medical Alumni of Saint Joseph's College in Philadelphia in 1974. The Class of 1951 of Jefferson Medical College bestowed upon him a particular honor by presenting his portrait to the College.

Dr. Reimann has contributed over 250 publications to the medical literature including over 40 consecutive annual reviews of Infectious Diseases for the Archives of Internal Medicine and the British Postgraduate Medical Journal. Dr. Reimann has made three major contributions to Medicine—he was the first to describe viral and mycoplasma pneumonia, periodic disorders, and viral dysentery.

Dr. Reimann is a member of numerous societies, including the Association of American Physicians and the American Society for Clinical Investigation.

He is an artist of some note—one of his works was the subject of the front cover of the Journal of the American Medical Association. He lives with his wife, Cecilia, in Penn Valley.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

- ARYE ROSEN (Physiology)Cherry Hill, N.J.
 "Echocardiography, a Non-invasive Technique for the Detection of Heart Dysfunction."
 PAUL GEOFFREY RUDOLF (Physics)Norwalk, Conn.
 "Production Mechanisms of Heavy Particles and Their Effects in Cosmic Ray Experiments."

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

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| WENDY MALKOFF BLUMEPhiladelphia, Pa. | BARBARA SAWYER LOWRYValley Forge, Pa. |
| JANICE YOUNG BROADBENTCollege Park, Md. | KARIN L. MCGOWANFlourtown, Pa. |
| MERCEDES THERESA COLERydal, Pa. | DIANE LORETTA ROSCOEPhiladelphia, Pa. |
| JACK ALBERT FARICELLIBeverly, N. J. | ANNEMARIE DOUGHERTY SHERRETTAArdmore, Pa. |
| ELCINDA L. GURINGOHarrisburg, Pa. | SUSAN ANN WEEKSPhiladelphia, Pa. |
| MAUREEN IRWIN HISERPhiladelphia, Pa. | MARIA THEODOS WILSONWynnewood, Pa. |
| GEORGE AUGUSTINE JENCKES, IIIWyomissing, Pa. | |

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

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| LINDA MARIE BOJANOWSKIWoodbury, N. J. | JANIS MARIE KELLYPhiladelphia, Pa. |
| BETH ANN BORNPennsauken, N. J. | LORRAINE CHRISTINE LESUTISFolcroft, Pa. |
| MARGARET ROSE BOSSARDPerkasie, Pa. | MINDY JOAN MANSHILHavertown, Pa. |
| PATRICIA ANNE CADDYJohnstown, Pa. | HELENE HENRY MARGERUMLevittown, Pa. |
| MARYANN C. CASEYW. Collingswood Heights, N. J. | JOANNE MARIE MILLERLevittown, Pa. |
| KAREN MARIE CONTRISCIANOClifton Heights, N. J. | LAVANICHE MARIE NAVATIERRobbinsville, N. J. |
| LAURA ANNE COOPEREast Brunswick, N. J. | LYNNE OMER NENSTIELJohnstown, Pa. |
| DIANE ELIZABETH DILORETORidley Park, Pa. | JANET KATHERINE PROCINOPhiladelphia, Pa. |
| MARIA RITA GERACEPhiladelphia, Pa. | MELISSA LEE SHROCKAllison Park, Pa. |
| CYNTHIA PAULINE GIANNINISteubenville, Oh. | SHEIK MAHDIEU TARAWALYPhiladelphia, Pa. |
| GARY ELLIS GILMANLorain, Oh. | CARLA MARIE TRAUTMANTower City, Pa. |
| JANET CAMPBELL HOUGHCherry Hill, N. J. | KAREN ELIZABETH WOODSLansdale, Pa. |

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (NURSING)

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| KAY E. ALDINGERWilliamsport, Pa. | SUSAN MARY LOUGHERYBarrington, N. J. |
| H. DENISE AMRITTHuntingdon Valley, Pa. | EMILY VASILLE MAMALISPhiladelphia, Pa. |
| SUSANNE NANNETTE BACKENSTOSESumner, Wa. | PAMELA YOUNG MCCARTERHavertown, Pa. |
| SUSAN M. BARBUTOPhiladelphia, Pa. | JAYNE ELLEN MOOREChalfont, Pa. |
| PEGGY M. BECKERColonia, N. J. | RALPH OSCAR MORGAN, JR.Philadelphia, Pa. |
| MITCHELL T. BERGMANNPhiladelphia, Pa. | JANE MARGARET MURPHYRoslyn, Pa. |
| APRIL LEE BIRDWrightstown, N. J. | TRACY ORKINWaterbury, Cn. |
| JULIANE N. BOHANWilmington, De. | MONICA MARY ORKWISZEWSKIPhiladelphia, Pa. |
| ELIZABETH LYNNE BROWNPittsburgh, Pa. | CHERYL T. PROSSACKBerwyn, Pa. |
| SUSAN NANCY BROWNBarrington, N. J. | N. JEAN REPMANGreenville, De. |
| CATHY LYNN CARTERErie, Pa. | TIMOTHY W. RILEYPhiladelphia, Pa. |
| LISA JEAN CHARLESBerlin, N. J. | MELANIE MARTINA ROSELLAFrackville, Pa. |
| JUDITH ANN DAVISWyoming, Pa. | JOY SANDRA ROSENTHALPhiladelphia, Pa. |
| AMANDA L. DRAKEPhoenixville, Pa. | VIRGINIA ANNE RUDOLPHSpringfield, Pa. |
| MARY SUSAN EPPLEYElyria, Oh. | MELANIE ANN SAMMONSSmyrna, De. |
| ANNE ABEL FORSTERLancaster, Pa. | CLAIRE SUSAN SHEINMANMelrose Park, Pa. |
| APRIL GILLEN FREIBERGERMedford Lakes, N. J. | JEANNE IRENE SLOUKAClementon, N. J. |
| RAYMOND J. FURLONG, JR.Philadelphia, Pa. | DIANE JEAN SMITHBeverly, N. J. |
| DONNA SUE GARDNERPaulsboro, N. J. | MARGARET BAILEY SNYDERPennsauken, N. J. |
| DORINA KANDAS GLICKBerkeley, Ca. | MURIEL EDITH SOLOMONPhiladelphia, Pa. |
| MICHAEL STEVEN GORODETZERCherry Hill, N. J. | LISA ANN STRESEMedia, Pa. |
| MARIELLYN J. HOLMESPhiladelphia, Pa. | Laurie ThompsonHagerstown, Md. |
| BARBARA H. HORDISHuntingdon Valley, Pa. | BARBARA JEAN TREICHLERYardley, Pa. |
| MONIQUE ANTOINETTE INGRAMLafayette Hill, Pa. | EUGENIA ANN TYRELLNorristown, Pa. |
| BARBARA LONA ISARDPhiladelphia, Pa. | RENE GENE VORBERGPhiladelphia, Pa. |
| DIANE CATHERINE JOHNSONPhiladelphia, Pa. | MERI LYNN WIEDERFort Washington, Pa. |
| HEBE DIANA HEARN JUNGKINDGlenside, Pa. | FRANCES ANN WOLGINPhiladelphia, Pa. |
| VICTORIA ANNE KOLODZEYPhiladelphia, Pa. | PAULA KATHLEEN YOVANOVICHSteelton, Pa. |
| SUSAN MARIE LODGEPennsauken, N. J. | |

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

- ROGER JACKSON BECKER (Physics) Basking Ridge, N.J.
"Raman Scattering of Layered TX₂ Compounds."
- THOMAS K. BILLS (Pharmacology) Philadelphia, Pa.
"The Metabolism of Arachidonic Acid by Human Platelets—Elucidation of Mechanisms that Control the Synthesis of Prostaglandins and Thromboxanes."
- RICHARD PATRICK CARLSON (Physiology) Hatfield, Pa.
"Cellular Integrity and Prostaglandin Production in Hypodynamic Perfused Cat Liver."
- SUSAN DEMESQUITA (Physiology) Deptford, N.J.
"Rapid Eye Movement and Respiratory Responses to Partial Occlusion of the Trachea During Sleep and Wakefulness in the Dog."
- JAMES MALCOLM EAST (Anatomy) Winston-Salem, N.C.
"Deacylation-reacylation of Phospholipids by Rat Placenta of 14 Days Gestational Age."
- MARK IVAN FOW (Pharmacology) Philadelphia, Pa.
"Drug Interaction Between Pentobarbital and its Metabolite, Pentobarbital Alcohol."
- CHOWNING REGINALD HALL (Pharmacology) Richmond, Va.
"Pharmacologic Activities of Glutethimide and its Optical Isomers."
- STEPHEN MICHAEL PAUL (Biochemistry) Cornwells Heights, Pa.
"Studies on the Physicochemical Properties of Rabbit C-lq."
- SIDNEY HOWARD SCHNOLL (Pharmacology) Philadelphia, Pa.
"Binding Specificities for Mescaline of Anti-Mescaline Antibodies and Mitochondrial-Synaptosomal Subcellular Fractions of Rat Brain."
- CLYDE WILLIAM SHEARMAN, JR. (Biochemistry) Havertown, Pa.
"Studies on a Membrane-DNA Replication Complex Isolated from Normal Rat Liver Mitochondria."
- RICHARD L. STEELMAN (Pharmacology) Fairview Village, Pa.
"Determination of the Teratogenic and Mutagenic Potential of Griseofulvin."
- ARISTIDES DIMITRIOS ZDETSIS (Physics) Nikea, Greece
"Lattice Dynamics of Crystals with Diamond Structure."

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- ANNE WYNN WYGAL ADAM Wilmington, Del.
JEFFERY STEPHENS ADAM Kettering, Ohio
LEONARD JOSEPH ADELSON Upper Darby, Pa.
JANET GLASS ALTEVEER Moorestown, N. J.
CYNTHIA BETCHEN ALTMAN Philadelphia, Pa.
LANNING ALBERT ANSELM West Wyoming, Pa.
BLAIR ARDMAN Washington, Pa.
DONALD JOSEPH ARMSTRONG Langhorne, Pa.
NED BROOKS ARMSTRONG Carlisle, Pa.
ROBERT EGEN ATKINSON Wynnewood, Pa.
JAMES PHILIP BAGIAN Philadelphia, Pa.
LEIGH BALTUCH Pittsburgh, Pa.
CARL ANTHONY BARBEE Wilmington, Del.
GLENN DAVID BARNES Camp Hill, Pa.
JOHN DAVID BARTGES Allentown, Pa.
GEORGE B. BATTEN Scranton, Pa.
DAVID CONRAD BAUMAN Highspire, Pa.
SYLVIA LORENE BEIMFOHR Morrisville, Pa.
BRUCE ROBERT BENDER State College, Pa.
THOMAS CHARLES BENFIELD Boyertown, Pa.
BARBARA JOAN BERGER Springfield, N. J.
WADE HAYHURST BERRETTINI Wilkes-Barre, Pa.
ALANNA F. BODENSTAB Wilmington, Del.
ALEX BRUCE BODENSTAB Wilmington, Del.
WILLIAM ERIC BODENSTAB Wilmington, Del.
EDWARD W. BOGNER Kulpmont, Pa.
ROBERT S. BOOVA Phoenixville, Pa.
J. HARTLEY BOWEN, III Haddonfield, N. J.
MICHAEL THOMAS BRADY Wilkes-Barre, Pa.
SARAH CARTY BROWN Bryn Mawr, Pa.

- GEOFFREY RALPH BURBRIDGE Erie, Pa.
JAMES FRANCIS BURKE Ardmore, Pa.
JOHN MICHAEL CAMAS Bradford, Pa.
THOMAS JOSEPH CAMPFIELD Herminie, Pa.
RANDY VENERANDO CAMPO Philadelphia, Pa.
RALPH ANTHONY CARABASI, III Rosemont, Pa.
KENT VAN TUYL CAREY Santa Monica, Cal.
MOIZ MOHAMED CARIM Bala Cynwyd, Pa.
HARVEY DONALD CASSIDY Eddystone, Pa.
VIRGINIA ANN CHALFANT McMurray, Pa.
SCOTT CHERRY Philadelphia, Pa.
HOWARD STEPHEN COBERT Philadelphia, Pa.
JOSEPH ANTHONY COLLETTA Wilmington, Del.
GEORGE EDWARD CONNERTON Camden, N. J.
MARK WARREN COOPER Philadelphia, Pa.
JUANITA SHARON CORNISH Philadelphia, Pa.
KATHRYN G. COWAN Waynesburg, Pa.
RICHARD ALFRED CRAIG Philadelphia, Pa.
RONALD WESLEY CRAMPTON Philadelphia, Pa.
CURTIS ELLIOTT CUMMINGS Wayne, Pa.
WILLIAM CHARLES DAVIS Mountaintop, Pa.
TIMOTHY ALBERT DEBIASSE Madison, N. J.
THOMAS JAY DELEHANTY Hazleton, Pa.
FRANCIS XAVIER DELONE, JR. Wynnewood, Pa.
LEOPOLDO ELOY DELUCCA Bayamon, P.R.
MARK STEVEN DIAMOND Plainfield, N. J.
JOHN RITTER DIETZ Wilmington, Del.
ROBERT BENJAMIN DOLL, JR. Allentown, Pa.
CAROL ANN DOROSHOW San Francisco, Cal.
ELYSE CAROLINE DUBIN Cheltenham, Pa.

- JOHN JOSEPH DULCEY, JR. Beaver Meadows, Pa.
MARGARET MARY DUNN Oakdale, N. Y.
WILLIAM ERNEST EGGBROTEN Randallstown, Md.
EDITH SUSANNA EISENHOWER Wildwood, N. J.
DAVID SAMUEL EISNER Scranton, Pa.
JEFFREY HOWARD ELKIND Hollis Hills, N. Y.
JOSEPH JOHN EVANS Swoyersville, Pa.
RONALD MARC FAIRMAN Wynnewood, Pa.
STEPHEN HENRY FEHREL New Bloomfield, Pa.
VICTOR ANTHONY FERRARIS Bryn Mawr, Pa.
JOHN ALDEN FERRISS, III Glen Rock, N. J.
ROBERT FINE Stamford, Conn.
JEROME S. FISCHER Philadelphia, Pa.
MICHAEL EDWARD FISCHER Wyncote, Pa.
RICHARD ANDREW FLANAGAN, JR. Lansdale, Pa.
ANEES ROBERT FOGLEY Scranton, Pa.
JAMES CALVIN FOLK Altoona, Pa.
RICHARD MARK FORNADEL Beaverdale, Pa.
BRUCE ALAN FOSTER Wilmington, Del.
SHELDON JAY FREEDMAN Plymouth Meeting, Pa.
RONALD ANTHONY FRONDUTI New Kensington, Pa.
WILLIAM BROWN FUNK Newark, Del.
ROSA MARIA FUSTE Newark, Del.
JOSEPH ANDREW GERARD Newark, Del.
BRUCE GILBERT Los Angeles, Cal.
FREDRIC LEE GINSBERG Philadelphia, Pa.
JAY MARC GINSBERG Pittsburgh, Pa.
JOHN STANLEY GLOWACKI Saddle Brook, Pa.
RUSSELL STUART GOLKOW Philadelphia, Pa.
DALE NORMAN GOODE Birmingham, Mich.
WALTER GERALD GRAVES Bradford, Pa.
JEFFREY BERNARD GROSS Philadelphia, Pa.
JEAN A. HALPERN Brooklyn, N. Y.
SALLY JUNE HAUSER Wilmington, Del.
RICHARD BRADLEY HAYWARD Harrisburg, Pa.
BRUCE HELLER Freeport, N. Y.
FREDERICK JOHN HENSAL Boalsburg, Pa.
DENNIS HERMAN Philadelphia, Pa.
WILLIAM JOSEPH HERRMANN Staten Island, N. Y.
DEBORAH JANE HILTZ Swarthmore, Pa.
BETH ORRINGER HODGE Philadelphia, Pa.
GREGORY ARTHUR HOFFMAN Fort Wayne, Ind.
MICHAEL PETER HOFMANN Wilmington, Del.
GARY ROBERT HOPEN Hollywood, Fla.
MARK STEVEN ISSERMAN Yardley, Pa.
ALBERT DAVID JANERICH Plains, Pa.
MURALI JAGAPATI JASTY Philadelphia, Pa.
ERIC CHARLES JAXHEIMER Reading, Pa.
ERIC GORDON JOHNSON Collingswood, N. J.
RUSSELL COMPTON JONES, II Washington, Conn.
JOHN JOSEPH KELLEMAN Clark, N. J.
FRANK ANTHONY KLINGER Canonsburg, Pa.
HARRY JOSEPH KNOWLES, JR. Narberth, Pa.
JEFFREY MICHAEL KOFFLER Stamford, Conn.
KATHLEEN MARIE KOGUT Philadelphia, Pa.
WILLIAM CARL KONCHAR Forest City, Pa.
THERESA JANINA KORNELUK-REILLY Philadelphia, Pa.
ERIC NEIL KRUGER Philadelphia, Pa.
WILLIAM JOSEPH KRYWICKI Wilkes-Barre, Pa.
JOHN VINCENT LA MANNA West Reading, Pa.
RONALD MARK LAUB Swarthmore, Pa.
SHERRI JEAN LAUBACH Nazareth, Pa.
ROBERT JOHN LAWLOR Paoli, Pa.
GARY WILLIAM LAWRENCE Folsom, Pa.
EUGENE ALEXANDER LECHMANICK Lock Haven, Pa.
NORMAN LEPOFF Narberth, Pa.
SAMUEL MATTHEW LESKO Lansford, Pa.
KENNETH LEVIN Wilkes-Barre, Pa.
MARC ROBERT LEVIN Philadelphia, Pa.
VINCENT ANTHONY LIGATO Trenton, N. J.
SCOTT PATTERSON LIGGETT Baytown, Tex.
BRUCE DUNCAN LINDSAY Haddonfield, N. J.
THOMAS JOSEPH LOFTUS Scranton, Pa.
MITCHELL LEE MARGOLIS Pittsburgh, Pa.
LAWRENCE ALAN MARTEN Detroit, Mich.
F. ANTHONY MASSIMINO Irvine, Cal.

- WARREN BRUCE MATTHEWS Philadelphia, Pa.
MARK WILLIAM MAXWELL Philadelphia, Pa.
SISTER ANN MARGARET MCCLOSKEY Philadelphia, Pa.
DAVID ROBERT McDONALD New Bethlehem, Pa.
THOMAS WILLIAM McLAUGHLIN Philadelphia, Pa.
WILLIAM BERNARD McNAMEE, JR. Drexel Hill, Pa.
MARC JAY MEDWAY Philadelphia, Pa.
JAY SHERMAN MENDELSON Pittsburgh, Pa.
GARY ARTHUR MILLER Philadelphia, Pa.
GEORGE GEOFFREY MILLER Spring City, Pa.
ROBERT JAMES MILLER Hackettstown, N. J.
JEFFREY FRANCIS MINTZER Worthington, Pa.
RIAN DAVID CORLETT MINTEK Oak Park, Ill.
DAVID MICHAEL MINTZER Wynnewood, Pa.
THOMAS JAMES MORROW Tarentum, Pa.
ANTHONY FRANCIS NAPLES New Castle, Pa.
DAVID CHRISTIAN SWOPE NICKESON Ben Avon, Pa.
QUENTIN THOMAS NOVINGER Williamsport, Pa.
MARY ELLEN O'CONNOR York, Pa.
ROBERT FRANCIS OLIVERE Wilmington, Del.
HERBERT PATRICK Philadelphia, Pa.
JAY ARTIS PEACOCK Wilmington, Del.
WILLIAM JAMES PECK Camp Hill, Pa.
RICHARD MICHAEL PERGOLA Little Neck, N. Y.
JOHN WILLIAM PETERS Dunmore, Pa.
JOHN ELIAS PIATT, III Springfield, Pa.
DONALD EDWARD PLAYFOOT Easton, Pa.
EDWARD JAMES READ, JR. Claymont, Del.
JOHN HURLIN ROBINSON Greenville, Pa.
KEVIN GEORGE ROBINSON Philadelphia, Pa.
DAVID MARTIN RODGERS Wayne, Pa.
BRAD STEVEN ROGERS East Rockaway, N. Y.
VINCENT THOMAS ROMAN Shavertown, Pa.
ALAN DAVID ROUMM Indiana, Pa.
CAROLYN DILWORTH RUNOWICZ Miami, Fla.
JOSEPH JOHN RUZBARSKY Dunmore, Pa.
JOHN MARSHALL SAMMS Eugene, Ore.
DONALD JOSEPH SAVAGE Plymouth, Pa.
ROBERT CHARLES SAVAGE Plymouth, Pa.
PATRICIA K. SCHAEFER Wilmington, Del.
MARC JAY SCHOENBRUN Scranton, Pa.
LARRY JAY SCHOENFELD Wyncote, Pa.
SAMUEL DAVID SCOTT, JR. Glenside, Pa.
CYNTHIA LOUISE SEARS Pottstown, Pa.
THOMAS GEORGE SHARKEY West Pittston, Pa.
DAVID STEVEN SHEA Easton, Pa.
AGNES H. SIMMONS Philadelphia, Pa.
BARRY RICHARD SMOGER Jenkintown, Pa.
LAWRENCE THOMAS SMYTH, JR. Bethlehem, Pa.
STANLEY PAUL SOLINSKY Philadelphia, Pa.
WILLIAM J. STEINBERG Ambler, Pa.
JOAN NANCY STORER Collingswood, N. J.
ALAN MARK SUGAR Vineland, N. J.
SANDRA J. TEMS Philadelphia, Pa.
PATRICIA FRANCES TENN Philadelphia, Pa.
KENNETH WAYNE THOMPSON Deland, Fla.
PAUL LOUIS URBAN Easton, Pa.
BONNIE LYNN VAN UITERT Morristown, N. J.
KARL THOMAS WAGNER, JR. Bryn Mawr, Pa.
PAMELA JOAN WASSERBLY Havertown, Pa.
PAUL R. WEBER Philadelphia, Pa.
MICHAEL GARY WEINBERG Huntingdon Valley, Pa.
JOAN WEISS Levittown, Pa.
ROSALIE WINTER WESSELL Philadelphia, Pa.
GARY JAMES WILLIAMS Sharon, Pa.
ROBERT HENRY WILLIAMS, JR. Swarthmore, Pa.
ROBERT EDWARD WISNIEWSKI Wilmington, Del.
SANDRA MATTHEWS WOLF Chestnut Hill, Pa.
DWIGHT DOUGLAS WOLFE Belleville, Pa.
RICHARD ALLAN WOLITZ Havertown, Pa.
ROBERT JAMES WOODHOUSE Bradford, Pa.
JACK RICHARD WOODSIDE, JR. Fairfax, Va.
FRANK JOSEPH WRIGHT Glenside, Pa.
KAREN LUTZ YTTERBERG Wernersville, Pa.
MARC T. ZUBROW Elkins Park, Pa.
ROBERT MICHAEL ZUKOSKI Fairfield, Conn.

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 sixty 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 Associates, Bachelors, Masters, and Doctors and at the same time recognize the university which has given them the degree.

The Associate in Arts and Bachelor's gowns have pointed sleeves and are 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 Associate's, Bachelor's and Master's degrees, and rayon or silk ribbed material is used for the Doctor's degree. All gowns are black except for the Associate in Arts degree which is gray.

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 and Associate'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 Doctor's, Master's and Bachelor's hoods are usually made of velvet in the color designating the subject in which the degree was granted. The Associate of Arts hood has no velvet border. The outside is black.

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

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

The Jefferson Processional

The Jefferson Processional was commissioned by the Alumni Association of Jefferson Medical College and played for the first time on November 15, 1974, at the Sesquicentennial Celebration of Jefferson Medical College of Thomas Jefferson University.

This piece was presented to Thomas Jefferson University by the President of the Alumni Association of Jefferson Medical College, Dr. John J. Gartland.

The composition was composed by Burle Marx.