

6-9-1978

1978 Commencement for Jefferson Medical College, College of Graduate Studies, and College of Allied Health Sciences

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154TH
COMMENCEMENT



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

1824-1978

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

The Academy of Music

PROCESSIONALTrumpet VoluntaryJOHN STANLEY
The Jefferson ProcessionalBURLE MARX

THE NATIONAL ANTHEM

INVOCATIONThe Reverend ROBERT E. DuBOSE, III
St. Thomas Episcopal Church

CONVOCATION
Opening RemarksLEWIS W. BLUEMLE, Jr., President

CONFERRING OF DEGREES IN COURSEPRESIDENT BLUEMLE
Doctor of Philosophy
Presented byROBERT C. BALDRIDGE, Dean
College of Graduate Studies

Doctor of Medicine
Presented byWILLIAM F. KELLOW, Dean and Vice President
Jefferson Medical College

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

Master of Science
Presented byDEAN BALDRIDGE

Bachelor of Science
Presented byMARTEN M. KERNIS, Dean
College of Allied Health Sciences

CONFERRING OF HONORARY DEGREESPRESIDENT BLUEMLE

MAXWELL FINLAND, Physician-Scientist, Doctor of Humane Letters
Presented by: ALLAN J. ERSLEV, The Thomas Drake Martinez Cardeza Research Professor of
Medicine (Hematology), Jefferson Medical College

FRANZ X. HAUSBERGER, Teacher-Scientist, Doctor of Science
Presented by: ANDREW J. RAMSAY, Emeritus Professor of Anatomy, Jefferson Medical College

KATHARINE BOUCOT STURGIS, Physician-Leader, Doctor of Letters
Presented by: PETER A. THEODOS, Honorary Clinical Professor of Medicine, Jefferson Medical
College

MESSAGE TO GRADUATESPRESIDENT BLUEMLE

BENEDICTIONREVEREND DuBOSE

RECESSIONALPomp and CircumstanceElgar

ROBERT ROSENBERG, Organist

Marshal
FRANCIS J. SWEENEY, JR.

Faculty Marshals
SAMUEL S. CONLY, JR. RHONDA KARP JEROME R. MARKS
JOSEPH S. GONNELLA JOHN H. KILLOUGH JAMES H. ROBINSON

Student Marshals
CATHERINE ROSE ZUURBIER JEROME G. BUESCHER ROBIN S. WELLER
Jefferson Medical College College of Graduate Studies 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 8, 1978

FACULTY AWARDS

The Christian R. and Mary F. Lindback Award for Distinguished Teaching.
BASIC SCIENCES: LAIRD G. JACKSON, B.A., M.D., Associate Professor of Medicine and Director
of Division of Genetics
CLINICAL SCIENCES: GEORGE J. ANDROS, M.D., Professor of Obstetrics and Gynecology

AWARDS TO GRADUATING STUDENTS

The Albert Strickler Memorial Prize, sponsored by Mrs. Albert Strickler for the best essay on Cancer.
MARIAN BALDRIGE KLEPSE, (honorable mention: FRANCIS BARTHOLOMEW ARMAO)

The Henry M. Phillips Prize in Medicine.
NEIL HOWARD SHUSTERMAN, (honorable mention: CHRISTINE ANN BRYNES)

The Practice of Medicine Essay Prize, awarded by bequest of Francis W. Shain, M.D.
ALLEN STEVEN JOSEPHS, (honorable mention: GARY HERBERT CASSEL)

The Henry M. Phillips Prize in Surgery.
ALEXANDER McARTHUR, III, (honorable mention: JILL MICHELLE SUMFEST)

The Clinical Surgery Prize in memory of Francis Torrens Stewart, M.D., Professor of Surgery, Jefferson
Medical College, 1910-1920.
DOUGLAS BRUCE YINGLING, (honorable mention: THOMAS SALVATORE TALAMO)

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

The Orthopaedic Surgery Prize, sponsored by Professor John J. Gartland, M.D.
ROBERT HUGH HUXSTER, (honorable mention: FREDERICK GERARD DALZELL)

The Urology Prize, awarded in memory of Theodore R. Fetter, M.D., The Nathan Lewis Hatfield
Professor of Urology.
GERALD LOUIS ANDRIOLE, JR., (honorable mention: EDWARD GEISLER)

The Edward J. Moore Memorial Prize in Pediatrics.
BRUCE ZACHARY MORGENSTERN, (honorable mention: DEBORAH CARMEN EVERTS)

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.
KEITH RANDALL YOUNG, JR., (honorable mention: NEIL HOWARD SHUSTERMAN)

The Psychiatry Prize.
WILLIAM GEORGE ELLIEN, (honorable mention: ALEXANDER CHARLES MAMOURIAN)

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

The Carroll R. Mullen Memorial Prize in Ophthalmology.
ROBERT STEVEN MOGUL, (honorable mention: RAYMOND RICHARD JONES)

The Obstetrics and Gynecology Prize sponsored by Mrs. Sarah George Miller in honor of John B. Mont-
gomery, M.D., Emeritus Professor of Obstetrics and Gynecology.
NORMAN GLENN ROSENBLUM, (honorable mention: DALE CAROLYN TUCKER)

The Baldwin L. Keyes Prize in Psychiatry, given annually by Mr. Joseph H. Levit in memory of his
wife, Mae K. Levit, in honor of Baldwin L. Keyes, M.D., Sc.D., Emeritus, Professor of Psychiatry.
STEPHEN IRWIN KRAMER, (honorable mention: ELLEN PENNY FREEDMAN)

The William Potter Memorial Prize in Clinical Medicine, award given from a bequest of Mrs. Adaline
Potter Wear for highest attainment.
THOMAS SALVATORE TALAMO, (honorable mention: KEITH RANDALL YOUNG, JR.)

The Alumni Prize, awarded by Jefferson Medical College Alumni Association for the highest cumulative
record.
THOMAS SALVATORE TALAMO, (honorable mention: KENNETH DONALD HOELLEIN)

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

CHRISTOPHER HENRI WENDEL

The Philip J. Hodes Prize in Radiology.

NANCY H. SHERMAN, (honorable mention: ROBERT DOUGLAS MOLINO)

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.

JOHNSON GRAHAM COYLE and DAVID HASKELL TRUMP

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.

DAVID SAUL GINSBURG

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

RONALD DAVID SPRINGEL, (honorable mention: BRUCE ERWIN NAYOWITH)

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

WILLIAM GEORGE ELLIEN, (honorable mention: BERNARD LEE ULLMAN)

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

LORETTA DOREEN BONANNI, (honorable mention: JEAN GALE RILEY)

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.

BRUCE ZACHARY MORGENSTERN, (honorable mention: ALFRED EVAN LEVY)

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.

FRANK WILLIAM MALETZ

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.

ROGER FRED CRAKE, (honorable mention: HAROLD ANTHONY COFER, JR.)

The Philip and Bella Medoff Memorial Prize is sponsored by their son, Joseph Medoff, M.D., his wife and children. The prize is given to a senior medical student who is a member of the Hobart Amory Hare Medical Society and who is recommended by the Magee Professor of Medicine and the faculty advisor of the Society for excellence in Internal Medicine and outstanding contributions to the Society.

STEPHEN IRWIN KRAMER

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

KEITH RANDALL YOUNG, JR., (honorable mention: ALBERT ANTHONY RIZZO)

The Janet M. Glasgow American Medical Women's Association Scholarship Achievement Citation.

MARCIANA DURBANO FILIPPONE

SUSAN MERL GINSBERG

HELEN PAGE TING

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

THOMAS ANDREW HUTCHINSON and MARCIANA DURBANO FILIPPONE

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

KENNETH DONALD HOELLEIN

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

SUSAN MERL GINSBERG

DANIEL PAUL KEGEL

BRUCE ERWIN NAYOWITH

ALLAN S. DAVIS

ROBERT DOUGLAS MOLINO

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

KATHERINE CORSON KRAUSE

DOCTOR OF LETTERS—KATHARINE BOUCOT STURGIS

Katharine Boucot Sturgis was born in Philadelphia, reared in Philadelphia, spent most of her professional life in Philadelphia, and has become one of Philadelphia's best known and outstanding physicians.

Dr. Sturgis received her preliminary education in the Philadelphia school system, attended the University of Pennsylvania and Pennsylvania State College, and received her Doctor of Medicine from the Woman's Medical College in Pennsylvania in 1942 (now the Medical College of Pennsylvania) where she was a member of AOA. Early in her career, she developed an intense interest in pulmonary disease, particularly tuberculosis, and trained at the Herman Kiefer Hospital in Detroit, Michigan, and at the Trudeau School of Tuberculosis. In 1954 she earned the Master of Public Health Degree at the Johns Hopkins School of Hygiene and Public Health and shortly thereafter was certified by the American Board of Preventive Medicine.

Dr. Sturgis' reputation as a teacher, clinician, and researcher in pulmonary disease is internationally known. She has held active and consulting appointments in the Philadelphia General Hospital, the Philadelphia Veterans Administration Hospital, the Hospital of the Woman's Medical College, and for a number of years was a consultant to the Barton Memorial Hospital and the White Haven Sanitarium of The Jefferson Medical College. She has also served as a special consultant in pulmonary diseases to the City of Philadelphia, the National Cancer Institute, and the Milton S. Hershey Medical Center.

Her membership and activities in medical and professional societies are well known. Most importantly, she has been elected and served as President of the College of Physicians of Philadelphia, the Philadelphia County Medical Society, the American College of Preventive Medicine, the Pennsylvania Thoracic Society, the Laennec Society of Philadelphia, and the Pennsylvania Chapter of the American College of Chest Physicians. In addition, she has served as the Vice President of the Association of Teachers of Preventive Medicine and of the American Thoracic Society.

Katharine Sturgis' interest and participation in community affairs are legion. She has served as the President of the Philadelphia Tuberculosis and Health Association, is a member of the Board of Directors of the William B. Lake Foundation, the William Skelton Harrison Fund, the Joseph Priestley House, and the Delaware Valley Citizens Council for Clean Air. She also is a member of the Board of Trustees of Beaver College, the Moore College of Art, and the National Jewish Hospital and Research Center.

During her entire career she has been closely associated with the Woman's Medical College rising through the academic ranks to Professor and Chairman of the Department of Preventive Medicine in 1952 and to Emeritus Professor of Preventive Medicine in 1968. She has also served on the faculty of the Graduate School of Medicine of the University of Pennsylvania for many years.

The Woman's Medical College of Pennsylvania conferred the honorary degree of Doctor of Medical Sciences on her in 1969. She has received numerous other honors and awards including the Philadelphia Gimbel Award, the Strittmatter Award of the Philadelphia County Medical Society, the Poor Richard Club of Philadelphia Award, the Trudeau Medal of the National Tuberculosis and Respiratory Disease Association, the Alumnae Achievement Award of the Woman's Medical College, the Pennsylvania State Environmental Health Award, the Distinguished Award of the American College of Preventive Medicine and the Elizabeth Blackwell Citation of the New York Infirmary. She was named a Distinguished Daughter of Pennsylvania and the Penn State Woman of the Year and has received honorary degrees from Keuka College and Beaver College.

Dr. Sturgis has contributed over 120 articles to the medical literature and served as the Chief Editor of the American Medical Association Archives of Environmental Health for 11 years. Dr. Sturgis is married to a physician and is the mother of two children, a geologist and a physician.

DOCTOR OF HUMANE LETTERS—MAXWELL FINLAND

Maxwell Finland was born in Russia and received his schooling in the United States. He graduated from Harvard College in 1922 and Harvard Medical School in 1926. Since that time, he has been associated with Harvard and its famous research and teaching institute, the Thorndike Memorial Laboratory at the Boston City Hospital.

As a Thorndike Resident and a Peabody Fellow, he became deeply involved in the care of the numerous pneumonia patients provided by the overcrowded tenements in South Boston. He developed and tested pneumococcal vaccines, and in 1932 he began to compare their effectiveness with the newly introduced sulfonamides. In numerous subsequent studies, he methodically continued to compare effectiveness of newly developed antibacterial and antiviral agents with those of known activity. The number of his publications in this field exceed one thousand.

He has always, first and foremost, been a clinical investigator, collecting, recording, and analyzing observations made on sick patients. Every epidemic or catastrophe occurring in South Boston was reflected in admissions to the Boston City Hospital and presented Dr. Finland with an opportunity to learn, record, and teach. For example, the Coconut Grove Fire which cost the lives of 500 people, led to the admission of hundreds of burn victims with severe respiratory injuries. Dr. Finland stayed with them night and day, relieving pain, treating complications, teaching house staff, and gathering information which led to memorable papers in Medicine.

Most of his work consists of systematic and methodical studies of the comparative effect of new antibiotics. His judicious and fair conclusions are highly regarded by the professional community and an adverse rating, although not always heeded, usually spelled trouble. Dr. Finland fought vigorously and successfully against the introduction of fixed combinations of antibiotics and less successfully against the unnecessary and improper use of antibiotics, especially their use in disease prevention.

Dr. Finland is a gifted teacher, at the bedside, in the laboratory, and in his little administrative office. Hundreds of fellows went through Thorndike on their way to prominent academic positions and many have vivid memories of their contact with Max. He challenged them, teased them, and was enormously proud of their achievements. He discussed the latest political and cultural events with them and was the incomparable bar tender at the annual Thorndike gathering at Chalfonte-Haddon Hall in Atlantic City. Thorndike was, for him, the cradle of academic medicine in the United States, and his fellows came to share this opinion to a large extent because of his influence.

Maxwell Finland retired as the Director of Thorndike in 1968, but continued his association with the Boston City Hospital and is also a distinguished physician for the Veterans Administration Hospital. He has held numerous national and international positions on editorial boards as a member of consultative teams, presidential committees, and consultative agencies. He has received equally numerous honors and awards such as the Modern Medicine Award, Bristol Award, and recently, the Kober Medal of the Association of the American Physicians.

DOCTOR OF SCIENCE—FRANZ XAVER HAUSBERGER

A native of Bavaria, Germany, Franz Xaver Hausberger attended the University of Munich Medical School, interned at Munich Medical School Hospital and, upon presenting his thesis, received the doctor of medicine degree, summa cum laude, in 1935. He was appointed Assistant in Anatomy at the University of Munich and after one year received the honor of a Notgemeinschaft Deutscher Wissenschaften Fellowship for scientific studies and accepted a residency in Internal Medicine at Gertrauden-Krankenhaus in Berlin. After Board Certification in Internal Medicine in 1939 he was called to Salem Hospital in Koeslin, Germany, as Head of the Department of Internal Medicine. He then moved to the University Hospital in Erlangen as Head of the Division of Endocrinology. The years following his studentship at Munich were spent in clinical medicine and research but upon coming to the United States in 1949 he devoted his entire attention to a new career in academic medicine proper—teaching and research.

Dr. Hausberger joined the faculty of the Department of Anatomy of Jefferson Medical College in 1950 and immediately gained support for his research program from the National Institutes of Health. As Professor of Anatomy, he served as Head of the Division of Gross Anatomy from 1960 until his retirement in 1975 when he received the title of Emeritus Professor of Anatomy.

A uniquely gifted and devoted teacher, he has by example and precept strongly influenced the young lives of nearly five thousand Jefferson medical students who, in appreciation, bestowed upon him their two highest honors: The Christian R. and Mary F. Lindback Award for Distinguished Teaching (1965), and the graduating class of 1967 commissioned the painting of his portrait for presentation to Jefferson Medical College.

Initiated while still a medical student, Dr. Hausberger's basic research program on adipose tissue has led an entire field of investigators in the quest for better understanding of the structure, development, and function of fatty tissues in both health and disease, including diabetes. In universal recognition of his eminent role in this significant and sustained research, the American Physiological Society dedicated to him their 1965 Year Book, Volume V, on "Adipose Tissue", distinguishing him as the "founding father of adipose tissue research". His scientific contributions and publications have occasioned many high honors as well as membership in scientific societies dedicated to excellence in creative scholarship, including the American Physiological Society, the Endocrine Society, the American Diabetes Association, the American Association of Anatomists, the American Association of the Advancement of Science, and the Philadelphia Endocrine Society. In Germany, the University of Dusseldorf offered an honorary degree.

Following retirement from Jefferson, Dr. Hausberger joined the faculty of Temple University where he continues his research and teaching activities as Clinical Professor of Anatomy.

In 1949, Dr. Hausberger and the former Brigitte C. Nichols, nee Landauer, were married. Mrs. Hausberger soon joined her husband as co-worker and investigator. The Hausbergers have two sons—Mike Nichols, well known actor, director, and producer of the theater and motion pictures, and Robert A. Nichols, a physician and an alumnus of Jefferson Medical College, Class of 1960.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

- DANIEL L. HERR (Pharmacology) Millersville, Pa.
Thesis Title: "Interaction of Insecticides Parathion, Toxaphene and Carbaryl on Benzo(a)pyrene Induced Forestomach Tumors."
- PATRICIA H. MILLER (Microbiology) Philadelphia, Pa.
Thesis Title: "Study of *Escherichia coli* 15T-R₁ for Defects Causing Abnormal Cell Division."

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

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|--------------------------------------------|----------------------------------------------|
| PEARL E. BALLA Trenton, N. J. | STANLEY M. OSTROWSKI Pennsauken, N. J. |
| JAMES M. BONDI Norristown, Pa. | TIMOTHY J. SELLEN Wenonah, N. J. |
| JAMIE A. CANCRO Upper Darby, Pa. | CAROL A. SZURGOT Reading, Pa. |
| CHRISTINE C. CONNOR Drexel Hill, Pa. | HIROKO TANAKA Chicago, Ill. |
| BARBARA L. MITCHELL Kutztown, Pa. | LINDA E. VILLAZON Ambler, Pa. |
| VALERIE L. MOWRER Royersford, Pa. | |

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (CYTOTECHNOLOGY)

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|------------------------------------------------|------------------------------------------------------|
| JESSIE CHIH HSIEN CHEN Whitehall, Pa. | VIRGINIA MARIE MCANANY Secane, Pa. |
| NANCY LEE COUNCIL Philadelphia, Pa. | CATHERINE ELIZABETH MICARELLI Pine Hill, N. J. |
| LOUISE ELAINE FERNANDEZ Woodlynne, N. J. | SUSAN MIDGETT Malvern, Pa. |
| JOHN JACOB FLANAGAN, JR. Delran, N. J. | TAMARAH HARKNESS MOFFATT Willingboro, N. J. |
| PATRICIA ANN GATTA Philadelphia, Pa. | PATRICIA FRANCES WEST West Long Branch, N. J. |
| DAVID SAUL KREITZER Philadelphia, Pa. | LORRAINE JULIA ZWOLAK Philadelphia, Pa. |

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

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|---------------------------------------------------|-----------------------------------------------------|
| ROSEMARY ELIZABETH CAPPO Cherry Hill, N. J. | SCOT GABRIEL MERVES Plymouth Meeting, Pa. |
| CONSUELA MARIE CREANY Ebensburg, Pa. | INGRID FISCHER OCKENHOUSE Bethlehem, Pa. |
| ALICE LOUISE ELWELL Middlesex, N. Y. | ELIZABETH MILLS PETRYLAK Prospect Park, Pa. |
| PHYLLIS NORA GLANTZOW Cherry Hill, N. J. | MARY LYNN BALINAO PULIDO Berrien Springs, Mi. |
| LISA IDA GOLDSMITH Haddon Heights, N. J. | SUSAN ANN ROMANO Honey Brook, Pa. |
| MARY HARTMAN Palmyra, N. J. | ANDREA JOYCE SALKOWE Huntingdon Valley, Pa. |
| MARCIA ANN HARWOOD Sargentsville, Me. | RAYMOND MOORE SOLY Upper Darby, Pa. |
| LINDA MARIE KLEMOVAGE Frackville, Pa. | KAREN LOUISE TWIST Glenside, Pa. |
| JILL ANN LUSCOMBE Narberth, Pa. | DEBRA MAY WALTHALL Cinnaminson, N. J. |
| BEVERLY ANN LYMAN Cherry Hill, N. J. | |

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (NURSING)

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| MARK M. ABRAMS Audubon, N. J. | CAROL JANE MANN Holland, Pa. |
| DEBRA LYNN AMEND Huntingdon Valley, Pa. | RUTH JOETTE MARCUCCI Huntingdon Valley, Pa. |
| REGINA M. BLEILE Levittown, Pa. | FRANCES LINDQUIST MCCLURE Narberth, Pa. |
| KATHLEEN REGINA BOYLE Holland, Pa. | SUSAN MARIE MCNICHOL Philadelphia, Pa. |
| LESLIE ANN BRIN Plainview, N. Y. | MARY THERESA NAPOLETANO Drexel Hill, Pa. |
| BERNICE BAILEY CHRISTOPHER Chester, Pa. | SHERYL OTTAWAY Glendora, N. J. |
| JULIA ANNE COPER Philadelphia, Pa. | ELIZABETH ROBYN OUGHTON Jamison, Pa. |
| LAURA LOUISE D'ANGELO Springfield, Pa. | KAREN ELIZABETH PETERSON Hackettstown, N. J. |
| MELODY DONNA JOY DAVY Pennsburg, Pa. | LINDA SUSAN PROSSACK Berwyn, Pa. |
| JANET KELLY DELONG Ardmore, Pa. | KARIN ANNE QUERNER Ambler, Pa. |
| PATRICIA BONANNO DILLON Narberth, Pa. | SUSAN HELEN RICHTER Philadelphia, Pa. |
| FRANCES ELAINE DOYLE Phoenixville, Pa. | VICKI JOAN ROSE Plymouth Meeting, Pa. |
| SUZANNE MARIE FITZMYER Ardmore, Pa. | JOAN ROSEN Philadelphia, Pa. |
| ADELAIDE LUCINDA FORTUNE Greensboro, N. C. | REGINA MARIE RUESCH Perkasie, Pa. |
| DONNA WYLIE FRANK Philadelphia, Pa. | SHARON R. SARA South Bound Brook, N. J. |
| SHARON M. GALLAGHER Darby, Pa. | PAUL BRETZ SCHAEFFER Philadelphia, Pa. |
| JOANNE GAMBO Peckville, Pa. | JAN ARDICE SHANABROOK Milltown, N. J. |
| MINDY ELLEN GEORGE Erdenheim, Pa. | MONA A. SHERR Philadelphia, Pa. |
| RHONDA LYNN GREEN York, Pa. | LESTER HAROLD SITER Philadelphia, Pa. |
| BONNIE SILVER HANDEL Pennsauken, N. J. | SUSAN GAIL SLACK Philadelphia, Pa. |
| SUSAN LYNN HANEY Easton, Pa. | KAREN MCMORRIS SMETHERS Philadelphia, Pa. |
| BARBARA MOSES HERLICH Lindenwold, N. J. | HELENA BOLTON STEWART Philadelphia, Pa. |
| SUSAN CAROL HOGELAND Norristown, Pa. | JUNE ANN STEWART Levittown, Pa. |
| KAREN ANN HOLZMAN Morrisville, Pa. | DEBORAH ANN STOUGHTON Dresher, Pa. |
| BRENDA ANN INGRAHAM Blackwood, N. J. | KATHLEEN HENNESSY SULLIVAN Philadelphia, Pa. |
| ANTHONY MARTIN JADICK Philadelphia, Pa. | MARILYN ANN SWEENEY Philadelphia, Pa. |
| LINDA J. KELLY Malvern, Pa. | DOROTHY MASSENBURG TILLMAN Philadelphia, Pa. |
| FRANCES ANNE KUBER Philadelphia, Pa. | JEANNE HINISH VAN NAME Haddonfield, N. J. |
| PATRICIA JEAN LAMONT Dresher, Pa. | LISA A. WALDBAUM Havertown, Pa. |
| BONNI JILL LAMPERT Elkins Park, Pa. | DARLENE MARIE WHITFIELD Runnemede, N. J. |
| MICHELE JEANNETTE LE NOIR Philadelphia, Pa. | JUDITH ANN WOODFORD Minersville, Pa. |
| DENISE L. LINEHAN Cortland, N. Y. | DIANE HAVILAND YALE Tenaflly, N. J. |
| LYNNE ANN LORENZON Norristown, Pa. | |

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- WALTER P. CARNEY (Microbiology) Springfield, Ma.
Thesis Title: "Resistance of F₁ Hybrid Mice to Parental L5178Y Cell Growth: Role of Cellular Mechanisms."
- THOMAS J. DOUGHERTY (Microbiology) Levittown, Pa.
Thesis Title: "Structural and Functional Changes in the Cell Envelope of *Escherichia coli* B/r Induced by Inhibition of DNA Synthesis."
- ELAINE Z. FRANCIS (Anatomy) Ventnor, N.J.
Thesis Title: "Isoenzyme Patterns of Rat Amniotic Fluid Cells."
- MARK E. FRANKEL (Biochemistry) Elkins Park, Pa.
Thesis Title: "Immunochemical Studies on a Ca⁺⁺ Dependent HSA Determinant and its Complementary Antibody."
- BRUCE S. GLAESER (Pharmacology) Manchester, Md.
Thesis Title: "Evaluation of Cerebrospinal Fluid Gamma-Aminobutyric Acid Levels in Patients with Neurological Disease."
- PATRICIA A. GWIRTZ (Physiology) Broomall, Pa.
Thesis Title: "Myocardial Enzyme Activities After Pericardial Tamponade in Cats."
- MARTIN L. OGLETREE (Physiology) Bryn Mawr, Pa.
Thesis Title: "Actions of Prostaglandins in the Normal and Ischemic Heart."
- RICHARD D. PINDER (Pharmacology) Philadelphia, Pa.
Thesis Title: "Studies on the Metabolism of YOSHI 864."
- WALTER C. PROZIALECK (Pharmacology) Dunlo, Pa.
Thesis Title: "Studies of the Biochemistry and Behavioral Pharmacology of 5-Methoxytryptamine."
- DIANE K. REIBEL (Physiology) Philadelphia, Pa.
Thesis Title: "Myocardial Adenine Nucleotide Metabolism: Effect of Oxygen Deficiency."
- JOSEPH S. SONK (Microbiology) Cherry Hill, N.J.
Thesis Title: "*E. coli* Enterotoxin: Synthesis and Partial Characterization."

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

RICHARD PAUL ABRAMOWITZ Kingston, Pa.
DIANE C. NOVENSKI ALLAWI Wilkes-Barre, Pa.
GREGG PHILIP ALLEN Chambersburg, Pa.
JOHN WILLIAM ANAGNOST Los Angeles, Cal.
RONALD WARDELL ANDREWS Philadelphia, Pa.
GERALD LOUIS ANDRIOLE, JR. Hazleton, Pa.
FRANCIS BARTHOLOMEW ARMAO Springfield, Pa.
CHARLES BALDREY AUSTIN, JR. Johnston, Pa.
ANDREW JOHN BARON, JR. Swoyersville, Pa.
THERESA RENEE BENECKI Wilmington, Del.
ROBERT LAWRENCE BENZ Harrisburg, Pa.
ROBERT BENJAMIN BERGER Springfield, N. J.
LORETTA DOREEN BONANNI Orelan, Pa.
ROBERT PAUL BORAN, JR. Minersville, Pa.
MICHAEL WILLIAM BORDER Harrisburg, Pa.
DAVID ALLEN BRILLMAN Cheltenham, Pa.
JEFFREY BARRY BRONSTEIN Philadelphia, Pa.
DOUGLAS PAUL BROZELL Pittsburgh, Pa.
BARBARA MARIA MATTEUCCI BUSILLO Philadelphia, Pa.
NICHOLAS ANTHONY BUSILLO Philadelphia, Pa.
RICHARD STANLEY BUZA Meadville, Pa.
CHRISTINE ANN BYRNES Haddonfield, N. J.
JOHN FREDERICK CAMP Westville, N. J.
ASHER BURTON CAREY, III Selbyville, Del.
GARY HERBERT CASSEL Hillsdale, N. J.
HARRY LOUIS CHAIKIN Brigantine, N. J.
ARTHUR OI-SHUI CHIU Philadelphia, Pa.
HAROLD ANTHONY COFER, JR. Philadelphia, Pa.
STANLEY ALAN COHEN Greensburg, Pa.
ANTHONY BARON COLANGELO Philadelphia, Pa.
JAMES HOWELL CORWIN, III Neptune Beach, Fla.
JOHNSON GRAHAM COYLE Carlisle, Pa.
ROGER FRED CRAKE Harveys Lake, Pa.
GREGG EDWARD CREGAN Pittsburgh, Pa.
ANTHONY ROY DAL NOGARE Wilmington, Del.
FREDERICK GERARD DALZELL Linwood, N. J.
THOMAS JAMES DANYLIW Manchester, Conn.
ALLAN S. DAVIS Philadelphia, Pa.

HAROLD JOSEPH DAVIS Scranton, Pa.
JOHN COMPPEN DETHOFF Reading, Pa.
DANIEL BRADLEY DiCOLA Monaca, Pa.
JEFFREY WILLIAM DIETZ Cheltenham, Pa.
OTTO ERIC DOVE Waterford, Pa.
STEVEN BRYAN EDSON Russell, Pa.
JAMES WILLIAM EGEL McKeesport, Pa.
STEVEN BENJAMIN EISNER Scranton, Pa.
WILLIAM GEORGE ELLIEN Bellwood, Pa.
DEBORAH CARMEN EVERTS Cinnaminson, N. J.
LARRY ALAN FEINER Laverock, Pa.
MARCIANA DURBANO FILIPPONE Wilmington, Del.
MARC JOEL FINDER Upper St. Clair, Pa.
ROBERT STEVEN FINKELHOR Pittsburgh, Pa.
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RAFAEL AUGUSTIN FLEITES Parma, Ohio
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DANIEL FRANCIS FLYNN Waltham, Mass.
CHARLES KENNETH FOULSHAM, II Audubon, N. J.
GEORGE CHARLES FRANCO Lancaster, Pa.
HARRY ALAN FRANKEL Cornwells Heights, Pa.
MARILEE HELEN FRAZER Wilmington, Del.
JAMES EDWARD FREDERICK Bethlehem, Pa.
ELLEN PENNY FREEDMAN Rydal, Pa.
ERICA SUE FRIEDMAN Wynnewood, Pa.
JOSE RAMON GARCIA Lansdowne, Pa.
GERALD LAMARR GARY Philadelphia, Pa.
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EDWARD GEISLER Philadelphia, Pa.
SUSAN MERL GINSBERG New Castle, Pa.
DAVID SAUL GINSBURG Philadelphia, Pa.
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BARBARA W. GOLD Philadelphia, Pa.
DAVID M. GOODMAN Elkins Park, Pa.
LEILA CHRISTINE GRAD Wynnewood, Pa.
GLENN EDWARD GRAYBEAL Milford, Del.
GREGORY CRAWFORD GRIFFIN Philadelphia, Pa.

FRANK GUILLARD Osceola Mills, Pa.
CARY DAVID GUTBEZAH Levittown, Pa.
RAYMOND ANTHONY HAIBACH Erie, Pa.
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LOUIS HAMMERMAN Lakewood, N. J.
JOHN CLARKE HANKEY Pittsburgh, Pa.
EDWARD STANLEY HANNA Laurel, Del.
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VALERIE GILLIAM HENDERSON Cleveland, Ohio
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LEONARD YALE HERMAN Philadelphia, Pa.
SALLY LOUISE HERPST Pittsburgh, Pa.
KENNETH DONALD HOELLEIN Pittsburgh, Pa.
E. PAUL HOWANITZ Kingstons, Pa.
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THOMAS ANDREW HUTCHINSON Bethlehem, Pa.
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KENNETH KOVALSKY Lancaster, Pa.
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STEPHEN IRWIN KRAMER Philadelphia, Pa.
KATHERINE CORSON KRAUSE Doylestown, Pa.
KATHLEEN ANNE KREIDER Willow Street, Pa.
ROBERT KRUPA Scranton, Pa.
LAWRENCE MARION KUKLINSKI Harborcreek, Pa.
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RAYMOND BRUCE LEIDICH Tremont, Pa.
NAT E. LEVINSON Scranton, Pa.
ALFRED EVAN LEVY Uniontown, Pa.
GAYLYN GAR-LING LI-MA Honolulu, Hawaii
ROBERT MICHAEL LINTZ Swedesboro, N. J.
CURTIS ROY LIU Honolulu, Hawaii
JOSEPH ANTHONY LOMBARDO Van Nuys, Cal.
KIMBERLY RENEE LONG Mill Hall, Pa.
CAROL ANNE LOVE Philadelphia, Pa.
JANICE LUPU Broomall, Pa.
GEORGE MICHAEL LYNCH Bethel Park, Pa.
FRANK WILLIAM MALETZ Huntingdon Valley, Pa.
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THOMAS STEPHEN METKUS California, Pa.
ERIC JOHN MICHAEL Wilmington, Del.
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ROBERT HARRISON PETERS, III Forty Fort, Pa.
STANLEY WILLIAM PETERS Hadley, Pa.
JOSEPH ANTHONY PETROZZA West Mifflin, Pa.
PAUL EDWARD PILGRAM State College, Pa.
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ANN ELIZABETH REILLY Wayne, Pa.
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ALBERT ANTHONY RIZZO Williamsport, Pa.
JEFFREY BLAIR ROBIN Chalfont, Pa.
RICHARD W. ROBINSON Jenkintown, Pa.
WARREN LEWIS ROBINSON, JR. Coatesville, Pa.
MARC KENNETH ROMISHER Philadelphia, Pa.
KENNETH CAREY ROSENBERG Havertown, Pa.
HARRY MOSES ROSENBLUM Clifton, N. J.
NORMAN GLENN ROSENBLUM Conshohocken, Pa.
NORMAN RONALD ROSENTHAL Philadelphia, Pa.
RANDALL WILLIAM ROWAND Harrisburg, Pa.
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TIMOTHY MICHAEL RYAN Springfield, Pa.
DUNCAN SALMON Wilmington, Del.
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JEROME GERARD SCAVONE Wilkes-Barre, Pa.
ROXIE ANN SCHELL Newark, Del.
MARK FUERTH SCHIOWITZ Dallas, Pa.
DAVID LOUIS SCHUTZMAN Wilmington, Del.
THOMAS BRADFORD SCOTT Mifflintown, Pa.
ALAN JEFFREY SEARS Havertown, Pa.
NANCY H. SHERMAN Bala-Cynwyd, Pa.
SCOTT DANIEL SHUMAKER Glenshaw, Pa.
NEIL HOWARD SHUSTERMAN Philadelphia, Pa.
KATHARYN MARIE SIPP Pittsburgh, Pa.
ELLEN KATHLEEN SMITH Mountaintop, Pa.
GEORGE JOHN SMITH Emporium, Pa.
IRA URI SMITH Colonia, N. J.
CRAIG ROBERT SMOLOW Philadelphia, Pa.
RONALD DAVID SPRINGEL Philadelphia, Pa.
JANICE STARSNIC Pittsburgh, Pa.
DAVID WAYNE STEPANSKY Collegeville, Pa.
CHARLES DANIEL STUTZMAN Johnstown, Pa.
JILL MICHELLE SUMFEST Morrisville, Pa.
R. BLAIR SUMMERSGILL Sycamore, Pa.
MARC IVAN SURKIN Broomall, Pa.
THOMAS SALVATORE TALAMO Greensburg, Pa.
FRED TEICHMAN Philadelphia, Pa.
HELEN PAGE TING Philadelphia, Pa.
EDMUND CHARLES TOPILOW Hillside, N. J.
DAVID HASKELL TRUMP Gardners, Pa.
DALE CAROLYN TUCKER Philadelphia, Pa.
MARIE OLIVIA UBERTI Springfield, Pa.
BERNARD LEE ULLMAN Los Angeles, Cal.
GREGORY ALAN VAN GUNDY Swarthmore, Pa.
CHI-LUN WANG New Castle, Del.
HOWARD HY WEITZ Philadelphia, Pa.
CHRISTOPHER HENRI WENDEL Wilmington, Del.
ERIC JAMES WERNER Hartford, Conn.
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BURTON JEFFREY WILLIAMS Rose Valley, Pa.
LINDA CASSEL WILSON Lindenwold, N. J.
ERIC HENRY WITTE Harrisburg, Pa.
JOHN DAVID WOFFORD, JR. Jackson, Miss.
DOUGLAS BRUCE YINGLING Clearfield, Pa.
FRANK JAMES YOHE Kittanning, Pa.
KEITH RANDALL YOUNG, JR. Beverly, N. J.
JOEL BRUCE YOUNGER Encino, Cal.
VICTOR AARON ZACHIAN Penn Valley, Pa.
CARL NICHOLAS ZENZ West Allis, Wisc.
NEAL JASON ZIMMERMAN West Caldwell, N. J.

*CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (RADIOLOGIC TECHNOLOGY)

ERIC CARL CHEETHAM Voorhees, N. J.
TERESA HALL DARDEN Philadelphia, Pa.
DAVID GRANT DEIBLER Feasterville, Pa.
BONNIE LEE DYMEK Philadelphia, Pa.
J. AIFRIC FERRY Philadelphia, Pa.
HARRIET FRANKLIN Huntingdon Valley, Pa.
RODGER JOSEPH HOLST Philadelphia, Pa.
MAUREEN SEPE MCGRATH Elkins Park, Pa.
ESTHER MULNICK Cherry Hill, N. J.

WILLIAM STEPHEN OSBORNE Philadelphia, Pa.
DEBRA ANN PEKTER Huntingdon Valley, Pa.
THOMAS EDWARD PRICE Perkasi, Pa.
ROOSEVELT ILEY RANDALL Clairton, Pa.
MARTHA LEE SCHEFLOW Wallingford, Pa.
ROBERT JOHN SLOTHUS Cranbury, N. J.
WILBUR LEE SWEITZER Philadelphia, Pa.
ALAN MICHAEL WALSH Philadelphia, Pa.
CATHERINE ANN ZDZIARSKI Springfield, Pa.

*Pending satisfactory completion of all requirements.

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.

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 Associates 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.

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.

THE PRESIDENTIAL BADGE OF THOMAS JEFFERSON UNIVERSITY

The President's Badge was created for the Inauguration of Lewis W. Bluemle, Jr., M.D., the third President of Thomas Jefferson University, on September 7, 1977. It consists of four official corporate seals of Thomas Jefferson University and the predecessor corporation, The Jefferson Medical College of Philadelphia. These seals were used to mark diplomas, certificates, and other official documents and have been gold-plated to form the Presidential Badge.

The medallion on the President's right is the corporate seal of Thomas Jefferson University today and was created in 1969 when Jefferson Medical College became Thomas Jefferson University. It carries a contemporary likeness of Thomas Jefferson.

The other three medallions are the various seals that were used in Jefferson Medical College for many years. The oldest marked every diploma that was issued by the College from 1839 to 1967. This seal carries a traditional likeness of a young Thomas Jefferson and the founding date of the College as 1826. Prior to 1839 the diploma of Jefferson Medical College carried the seal of the Jefferson College in Canonsburg, Pennsylvania—the parent institution.

Another seal was developed in 1967 as a result of research done by the late Edward L. Bauer, Emeritus Professor of Pediatrics, who determined that the founding year of Jefferson Medical College was 1824 rather than 1826. This seal is identical to the present corporate seal except the words "Thomas Jefferson University" replace "Jefferson Medical College". It was used for only two years—from 1967 to 1969.

The Presidential Badge is on permanent display in the Scott Library and is used at all convocations of the University.