

6-5-1981

1981 Commencement for Jefferson Medical College and College of Graduate Studies

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157TH
COMMENCEMENT



*Jefferson Medical College
College of Graduate Studies
of
Thomas Jefferson University*

1824-1981

*Friday, June Fifth
Nineteen Hundred and Eighty-One
Half Past Two O'clock*

The Academy of Music

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 4, 1981

FACULTY AWARDS

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

BASIC SCIENCES: KENNA D. PEUSNER, B.S., Ph.D., Assistant Professor of Anatomy

CLINICAL SCIENCES: HERBERT E. COHN, B.S., M.D., Professor of Surgery

AWARDS TO GRADUATING STUDENTS

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

JOHN S. RADOMSKI, (honorable mention: JOHN DAVID ANGSTADT)

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

THOMAS RUSSELL WESTPHAL, (honorable mention: KEVIN A. MANSMANN)

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

MICHAEL HARRIS RITTENBERG, (honorable mention: DAVID J. ELLIS)

The Edward J. Moore Memorial Prize in Pediatrics.

ROY CHARLES MAYNARD, (honorable mention: JEFFREY ANDREW AMER)

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.

JOHN MICHAEL SKIBBER, (honorable mention: DONALD LEE EMERY)

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

SCOTT ALAN BRENMAN, (honorable mention: MICHAEL JAY KORMAN)

The Carroll R. Mullen Memorial Prize in Ophthalmology.

KIM DAVID LAMON, (honorable mention: GREGORY MARTIN JACK)

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.

PETER EDWARD BIPPART, (honorable mention: DIANE HEATHER WATTS)

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.

ANDREA GRACE JORDAN

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

MICHAEL STEPHAN REMETZ, (honorable mention: MARK ALBERT STAFFARONI)

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

JOHN S. RADOMSKI, (honorable mention: MARK ALBERT STAFFARONI)

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

DANIEL THOMAS BILES, (honorable mention: GORDON M. LANGSTON)

The Philip J. Hodes Prize in Radiology.

JOHN FRANCIS SCHILLING, (honorable mention: EMILY WOFFORD)

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

MALCOLM LEWIS McANINCH, (honorable mention: ERIC WARREN LONGENBACH)

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.

STEPHEN JOHN SCHUSTER, (honorable mention: JOHN S. RADOMSKI)

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

GUY MITCHELL EDMONDSON, (honorable mention: STEPHEN S. G. ROBB)

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

MARK ALBERT STAFFARONI, (honorable mention: DAVID MALLARY BERCAW)

PROCESSIONAL Trumpet Voluntary JOHN STANLEY
The Jefferson Processional BURLE MARX

THE NATIONAL ANTHEM

INVOCATION REVEREND JAMES R. MOODEY
St. Paul's Episcopal Church

CONVOCATION

Opening Remarks LEWIS W. BLUEMLE, JR., *President*
Thomas Jefferson University

CONFERRING OF DEGREES IN COURSE PRESIDENT BLUEMLE

Doctor of Philosophy

Presented by JUSSI J. SAUKKONEN, *Dean*
College of Graduate Studies

Doctor of Medicine

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

The Oath of Hippocrates JOSEPH J. RUPP, *Professor of Medicine*
Jefferson Medical College

Master of Science

Presented by DEAN SAUKKONEN

CONFERRING OF HONORARY DEGREES PRESIDENT BLUEMLE

RICHARD K. BENNETT, **Doctor of Humane Letters**

Presented by: JAMES H. ROBINSON, *Clinical Professor of Surgery and Associate Dean,*
Jefferson Medical College

EPHRAIM KATCHALSKI-KATZIR, **Doctor of Science**

Presented by: PAUL H. MAURER, *Professor of Biochemistry and Chairman of the Department,*
Jefferson Medical College

HANNA HOLBORN GRAY, **Doctor of Humane Letters**

Presented by: GUSTAVE G. AMSTERDAM, *Board of Trustees,*
Thomas Jefferson University

ADDRESS HANNA HOLBORN GRAY

BENEDICTION REVEREND MOODEY

RECESSIONAL Pomp and Circumstance Elgar

W. ERNEST WELLS, *Organist*

Marshal

FRANCIS J. SWEENEY, JR.

Faculty Marshals

LORETTA P. FINNEGAN

JOSEPH S. GONNELLA

ROBERT J. MANDLE

JAMES H. ROBINSON

Student Marshals

RONALD J. BROCKMAN
Jefferson Medical College

SANDRA E. BURKE
College of Graduate Studies

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

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.

JOHN EDWARD WAGNER, JR., (honorable mention: BRAD FELDSTEIN)

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.

JAMES KIBRICK KATZ, (honorable mention: JAY ELLIOTT LASNER)

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.

JULIUS MICHAEL GUARINO, (honorable mention: ANNE LOUISE ROSENBERG)

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.

BRADLEY WILLIAM LAYTON, (honorable mention: JAMES W. BLASETTO)

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.

MARK ALBERT STAFFARONI, (honorable mention: ROBERT ROSS KESTER)

The George J. Willauer Prize in General Surgery. Established as a perpetual memorial by the family, friends and patients of Dr. George J. Willauer, former Clinical Professor of Surgery and a member of the surgical faculty from 1927 to 1977. Given to the graduating student for excellence in the field of General Surgery during his clinical years at Jefferson.

JOHN MICHAEL SKIBBER, (honorable mention: EMILY WOFFORD)

The Lemmon Prize in Anesthesiology is awarded from an endowment established by members of the family of Dr. William Lemmon, Sr., who was Professor of Surgery and a member of the faculty at Jefferson Medical College from 1923 to 1964. The Lemmon Prize is given to a graduate who has done original clinical work or writing in the field of Anesthesiology.

DAVID ALAN BOERNER

The Hyman Menduke Research Prize is sponsored by Dr. Michael LeWitt of the Class of 1974 and is awarded to a graduating senior who, as determined by the Committee on Research of the Faculty, has demonstrated excellence in research while a student at Jefferson Medical College.

DONALD LEE EMERY, (honorable mention: JOHN MICHAEL SKIBBER)

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

JOHN DAVID ANGSTADT, (honorable mention: ANNE LOUISE ROSENBERG)

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

SOPHIA CHAN

CHRISTINE CAROL DESJARDINS

MARY JANE McCLEMENTS GUARDIANI

ANDREA GRACE JORDAN

ANNE LOUISE ROSENBERG

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

STEVEN PAUL FREI

LEON PHILIP WUGOFSKI

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

MARY JANE McCLEMENTS GUARDIANI

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

RANDALL MARINO FULCHIERO

SCOTT HARVEY KORN

ERIC WARREN LONGENBACH

The Rittenhouse Book Store Prize to a graduating student who has made a significant contribution to the College.

BRUCE HART

The College of Graduate Studies Alumni Award is given to a candidate for the Doctor of Philosophy degree for an important original contribution to the scientific literature.

EDWARD FRANCIS SMITH, III

for his doctoral thesis entitled:

"The Role of Tromboxanes in the Pathogenesis of Acute Myocardial Ischemic Injury"

Presented on May 8, 1981 at a meeting of the faculty, students and alumni of the College of Graduate Studies.

DOCTOR OF HUMANE LETTERS—HANNA HOLBORN GRAY

Hanna Holborn Gray, President and Professor in the University of Chicago, was born in Heidelberg, Germany, in 1930. The daughter of Hajo Holborn, a Professor of European History in Berlin, and Annemarie Bettman, a Doctor of Philosophy in Classical Philology, she is well acquainted with university life. The family fled Germany in 1934 and her father accepted a position at Yale University where he taught for 35 years until his death.

After graduating summa cum laude from Bryn Mawr College in 1950 at the age of 19, Doctor Gray attended Oxford College for two years as a Fulbright Scholar and subsequently returned to Bryn Mawr in 1953 as an Instructor. From 1955 to 1957, she was a Teaching Fellow at Harvard University, and in 1957 was awarded the Doctor of Philosophy degree in History from Harvard University where she taught for the next three years. In 1960, she and her husband, Charles M. Gray, a Legal Historian, arrived at the University of Chicago, where she was awarded tenure as an Associate Professor of History in 1964. Her specialty and first love is European History in the Renaissance Period.

In 1972, Doctor Gray left the University of Chicago to become Dean of the College of Arts and Sciences and Professor at Northwestern University; she was the first woman ever to hold that position at that institution. In 1974, she was named Provost and Professor at Yale University, and in the spring of 1977 Doctor Gray assumed the position of Acting President while still retaining the responsibilities of Provost.

Doctor Gray has been a Fellow at the Newberry Library and the Center for Advanced Study in the Behavioral Sciences, a Visiting Scholar at the Center for Advanced Study, and an Honorary Fellow at St. Anne's College, Oxford University. Her current memberships include Phi Beta Kappa, where she is a member of the Senate; the American Historical Association; and the Renaissance Society of America; and she is a current Fellow of the American Academy of Arts and Sciences. Her Trusteeships include the University of Chicago, Bryn Mawr College, the Mayo Foundation, the Center for Advanced Study in the Behavioral Sciences, the Andrew W. Mellon Foundation, the Brookings Institution, and the Museum of Science and Industry in Chicago. She serves on the Board of Directors of the Morgan Guaranty Trust Company, J. P. Morgan and Company, and the Cummins Engine Company. Doctor Gray is also a member of the Chicago Council on Foreign Relations, the Council on Financial Aid to Education, and the Pulitzer Prize Board.

Hanna Holborn Gray has been presented with numerous honorary degrees from academic institutions which have included Yale University, Brown University, Oxford University, the University of Rochester, the University of Notre Dame, and the University of Southern California. She has contributed many scholarly articles to professional journals in her field. She, and her husband, Charles, served as Editor of the *Journal of Modern History* from 1965 to 1970.

The Grays currently reside in Chicago, Illinois.

DOCTOR OF SCIENCE—EPHRAIM KATCHALSKI-KATZIR

Ephraim Katchalski-Katzir, the former President of Israel, was born in Kiev, the Ukraine. His parents brought him to what was then Palestine in 1922 where he was educated at the Rehavia High School in Jerusalem and became involved in the Labour Youth Movement. He later served in the Jewish Self-Defense Forces (Hagana), becoming an infantry commander and helping to establish Hagana's Scientific branch. In all these activities, as later in his scientific career, he worked closely with his older brother, Aharon, also a polymer chemist, who was to become a most distinguished scientist, murdered in the terrorist attack on Lod Airport in 1973.

Ephraim Katzir received his doctorate in 1941 from the Hebrew University in Jerusalem and began his career as an Assistant in the University's Department of Theoretical and Macromolecular Chemistry. From 1946-1948 he was a Research Fellow at the Brooklyn Polytechnic Institute and at Columbia University College of Physicians and Surgeons. From 1949 to 1973 he headed the first Department of Biophysics at the Weizmann Institute of Science in Rehovot, Israel. During these productive years he also served as Visiting Professor at such illustrious institutions as the Hebrew University, Harvard University, the University of California, Los Angeles, and the Rockefeller Institute in New York. He was Chief Scientist of the Israel Defense Ministry from 1966 to 1968.

Nominated by the Labour Party, Professor Katzir was elected President of the State of Israel in 1973 and served until 1978. During his term he gave special attention to the problems of society and education and was consistently concerned with learning to know all sectors of the heterogeneous population in Israel.

As President, he paid unofficial visits to the United States in 1975 and to Britain in 1976 where, in addition to meeting with many academic and Jewish bodies, he was received by the heads of State and governmental leaders of the two countries.

While serving as President, he managed to continue his scientific activities at Rehovot and he and his wife, Nina, always found time to receive scientific friends in Jerusalem.

Professor Katzir was one of the founding faculty of the world renown Weizmann Institute of Science and in more than a quarter of a century of teaching and research there, has made outstanding contributions to the understanding of the structure and function of proteins through the preparation and study of the properties of many synthetic polypeptides. His pioneering research on immobilized enzymes has laid the foundations for their use in industry and medicine. At the same time, he was and is profoundly concerned with the social and educational aspects of science. He headed a governmental commission for the formulation of a national scientific policy for the State of Israel and trained a generation of younger scientists, including the present President of the Weizmann Institute, Professor Michael Sela. He has translated important scientific material into Hebrew and helped establish a popular scientific magazine for which he was awarded the Tchernikhovski Prize.

Professor Katzir is a member of the Israel Academy of Sciences and Humanities and of numerous other learned bodies in Israel and abroad such as The Royal Society of London, the National Academy of Sciences of the United States, the American Academy of Arts and Sciences, the Council of the International Union of Biochemistry, the World Academy of Arts and Sciences and the American Philosophical Society.

For his scientific achievements Professor Katzir has been awarded the Weizmann, Rothschild and Israel Prizes in Natural Sciences, the Linderstrom-Lang Gold Medal and the Hans Krebs Medal.

In addition, Ephraim Katzir has been awarded honorary doctorates by the Hebrew University, the Hebrew Union College in Jerusalem, the Weizmann Institute of Science, Tel Aviv University, Brandeis University, Harvard University, Northwestern University, and the University of Michigan. In 1979 an Honorary Professorship, the Herman Mark Chair in Polymer Science, was conferred upon him by the Polytechnic Institute of New York.

Professor Katzir has served on the editorial boards of many international journals such as *Biopolymers*, *The European Journal of Biochemistry* and he has published almost 300 scientific articles.

Upon retiring from the Presidency in 1978, Professor Katzir returned to full-time research and teaching as Institute Professor at the Weizmann Institute of Science and as Head of a new Center for Biotechnology at Tel Aviv University. At the Weizmann Institute, he is continuing work in basic research in structural fluctuations in biopolymers, the effects on living cells of modifying their membranes, and the transport of oligomers and polymers into cells.

At Tel Aviv University, his work is concerned with basic and applied research in fermentation, genetic engineering, and immobilized enzymes.

Professor Katzir is married to the former Nina Gotlieb; they have a son, Meir, a mathematician, and a daughter, Irit, who is involved in communication and film production.

DOCTOR OF HUMANE LETTERS—RICHARD KISTLER BENNETT

Richard Kistler Bennett was born in New York City and educated in the public schools of New York.

An outstanding humanitarian, most of Mr. Bennett's life has been spent in unselfish service in the civic and philanthropic affairs of our country, our state, and, in particular, the City of Philadelphia and its environs.

Mr. Bennett is presently the President and a member of the Board of Directors of the William Penn Foundation—an association that began in 1955. While with the William Penn Foundation, he also served as the Executive Director of the Philadelphia Foundation from 1958 to 1961 and on its Advisory Committee from 1962 to 1971. Just prior to that time, Mr. Bennett was associated with the American Friends Service Committee and was continually involved in its various divisions until 1969.

Mr. Bennett is a member of numerous distinguished organizations, including the National Board of the Council on Foundations, Trustee and Chairman of the Philadelphia Award Committee, the Pre-Trial Services Agency of the United States District Court of the Eastern District of Pennsylvania, and a Corporation Member of the Medical Service Association of Pennsylvania (Blue Shield).

Richard Bennett has been an active member of the Philadelphia community and has served in various capacities in the following organizations: Pennsylvania Committee of the United States Commission on Civil Rights, Philadelphia Housing Development Corporation, Philadelphia Mayor's Anti-Poverty Task Force, Philadelphia Manpower Commission, the United Fund, Philadelphia American Civil Liberties Union, the Walnut Street Theatre, Philadelphia Council for Community Advancement, the Maple Corporation, and the Philadelphia Youth Conservation Services.

Nationally he has served as a Board Member of the Indian Rights Association; President's Commission on Government Contracts; Charter Board Member, National Committee Against Discrimination in Housing; Board Member, National Council on Agricultural Life and Labor; on temporary assignment to the General Assembly and Economic Social Council, United Nations Secretariat; on the National Panel of Arbitrators, The American Arbitration Association; and on the National Commission, United States-China Relations.

In a quiet and unassuming way, Richard Bennett has made the world a better place to live. Various organizations and individuals have attested to this by conferring on him many awards and citations, including those from the Secretary General of the United Nations, the United States Office of Scientific Research and Development, Opportunities Industrialization Center, and Our Neighborhood Civic Association. He is also the recipient of the Martin Luther King Award, the National Carver Award, and the coveted Merit Award of the N.A.A.C.P.

Richard Bennett is married to the former Louisa Mueller and they are the parents of one daughter, Dr. Barbara Bennett Shadden, a member of the faculty of the University of Arkansas.

JOSEPH WILLIAM SCHAUER, III Howell, NJ
JOHN FRANCIS SCHILLING Ashland, PA
PAUL CARL SCHROY, III Woodbury, NJ
STEPHEN JOHN SCHUSTER Drexel Hill, PA
MYRON LYLE SEWELL Camden, NJ
JEROME A. SHERARD Philadelphia, PA
ROBERT SOLOMON SHUSMAN Philadelphia, PA
DOLORES ANGELA SIEGEL Philadelphia, PA
JOHN C. SIEGLE, JR. Wilmington, DE
RICHARD CRAIG SILVER Havertown, PA
EDWARD JAMES SILVERMAN Narberth, PA
JOHN MICHAEL SKIBBER Scranton, PA
DAVID CHRISTOPHER SLAGLE Northfield, OH
GREGORY DIXON SLICK Elkins Park, PA
JOHN WASHBURN SMITH, II Philadelphia, PA
MARK ANDREW SMITH Harrisburg, PA
RUSSELL E. SOMERS Pittsburgh, PA
STEPHEN SOROKANICH Scranton, PA
RICHARD FREDERICK SPAIDE Allentown, PA
LESLIE SUSAN SQUIRES Havertown, PA
CRAIG L. STABLER Montoursville, PA
MARK ALBERT STAFFARONI Scranton, PA
JOSEPH KIPP STANILLA Lebanon, PA
ALLAN EWING STINER, JR. Malvern, PA
PAUL ADRIEN SUAREZ Brooklyn, NY
STEPHEN ALWYN SUDLER Willow Grove, PA
FREDERICK THOMAS SUTTER Broomall, PA
BARBARA ELLEN SWAN Shippensburg, PA

DAVID MICHAEL SWAN Lititz, PA
FELIX KINLUNG TAM Hong Kong, BCC
CHARLES EMERSON THOMPSON Willow Grove, PA
WARREN J. VENTRIGLIA Springfield, PA
VINCENT ANDREW VISCOMI Easton, PA
EUGENE ROBERT VISCUSI Philadelphia, PA
JOHN EDWARD WAGNER, JR. Newark, DE
DIANE HEATHER WATTS Carlisle, PA
RUTHELLEN DENISE WEEKS Philadelphia, PA
DANIEL ROBERT WEHNER Pittsburgh, PA
JANET SHARON WEISS Monticello, NY
(Degree Conferred October 1, 1979)

JOHN PATRICK WELCH State College, PA
MAX LEE WEST St. Marys, WV
THOMAS RUSSELL WESTPHAL Lancaster, PA
DELORES JEAN WILLIAMS Tuskegee, AL
ULYSSES WILLIAMS, JR. Philadelphia, PA
THOMAS SCOTT WILSON Merion, PA
GEORGE ANTHON WINCH, JR. San Francisco, CA
ROBERT LEE WITT Wilmington, DE
EMILY WOFFORD Greenwood, MS
JOHN JOSEPH WOYNAROWSKI Reading, PA
LEON PHILIP WUGOFSKI Philadelphia, PA
MAUREEN LAWLOR YELOVICH Paoli, PA
RICHARD MATTHEW YELOVICH Malvern, PA
ELIZABETH TRACY YOUNG Erie, PA
ANDREJ JURIJ ZAJAC Huntingdon Valley, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE (TOXICOLOGY)

WILLIAM JOSEPH ADAMS, JR. Haddonfield, NJ
Thesis Title: "Toxicity of Diphenyldiselenide."

KEITH R. COOPER Philadelphia, PA
Thesis Title: "Xenobiotic Metabolism in Fishes."

JAMES M. LAVELLE Drexel Hill, PA
Thesis Title: "Metal/Non-metal Mutagen Interactions in a Bacterial Fluctuation Text."

NANCY ADA LORR Rose Valley, PA
Thesis Title: "The Metabolic Activation of 4-Nitroquinoline-1-Oxide."

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

BERNARDINE BASQUIL Manchester, NH
MARGUERITE LYNN BROWN Norfolk, VA
PATRICE ANN FAUVER Pennsauken, NJ
MERLE PAULINE KOHL Moorestown, NJ

WILLIAM VINCENT MCCARTHY Allentown, PA
RONALD NED MASTER Kutztown, PA
SANDRA SCHARR PALOMBO Bala-Cynwyd, 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

JEROME GEORGE BUESCHER (Microbiology)	Philadelphia, PA
Thesis Title: "The <i>Lac</i> Operon of an <i>Escherichia Coli</i> Strain of Murine Origin and its Variants."	
JOANN M. HELTZEL (Pharmacology)	Ardmore, PA
Thesis Title: "Binding Studies with 5-Hydroxytryptamine and 5-Methoxytryptamine in Selected Rat and Human Tissues."	
THOMAS BERNARD KNUDSEN (Anatomy)	Haworth, NJ
Thesis Title: "Cellular Basis for Abnormal Limb Development in the Mouse Mutant Hemimelia-extra toe (Hmx)."	
JUDITH D. LEVICH (Microbiology)	Philadelphia, PA
Thesis Title: "The Influence of Initial Tumor Cell-Host Interactions on Tumorigenicity in the Non-immune Host."	
MARK A. MARSILI (Microbiology)	Peckville, PA
Thesis Title: "The Immunologic Basis for Elimination of Tumor Cells from L5178Y Cell Tumor Dormant Mice after Specific, Active Immunotherapy."	
EDWARD FRANCIS SMITH, III (Physiology)	Walnut Creek, CA
Thesis Title: "The Role of Thromboxanes in the Pathogenesis of Acute Myocardial Ischemic Injury."	
RICHARD B. THOMSON, JR. (Microbiology)	Philadelphia, PA
Thesis Title: "Antigens of <i>Aspergillus Fumigatus</i> ."	
DAVID O. WILLIAMS, II (Physiology)	Allentown, PA
Thesis Title: "Regulation of Myocardial Purine Metabolism: Dichotomous Systems of Adenosine Membrane Translocation."	
CAROL MARY WOJENSKI (Pharmacology)	Voorhees, NJ
Thesis Title: "Arachidonic Acid Metabolism by the Arterial Vessel Wall."	

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

KELLY JEANNE ACTON	Acampo, CA
JONATHAN DAVID ADAMS	Darlington, PA
ROGER ALLEN ALLCROFT	Towaco, NJ
JEFFREY ANDREW AMER	Hewlett, NY
JOHN DAVID ANGSTADT	Allentown, PA
ALFRED EMMANUEL BACON, III	Wilmington, DE
FREDERICK HENRY BARTLETT, III	Huntingdon Valley, PA
DAVID MALLARY BERCAW	Wilmington, DE
DANIEL THOMAS BILES	Skytop, PA
JAMES BRIAN BILLYS	Michigan City, IN
PETER EDWARD BIPPART	Morristown, NJ
JAMES W. BLASETTO	Paulsboro, NJ
DAVID ALAN BOERNER	Rosemont, PA
SCOTT ALAN BRENNAN	Cinnaminson, NJ
CHARLES LESLIE BRYNER, JR.	Waynesburg, PA
KENNETH ALAN BUCKWALTER	Harrisburg, PA
MICHAEL R. CAIRNS	Wilmington, DE
STEPHEN DUFFIELD CAMPANELLA	Pittsburgh, PA
SOPHIA CHAN	Altoona, PA
GEORGE ROBERT COAR	Dunmore, PA
JEANETTE BAYLA COBLENTZ	Pittsburgh, PA
(Degree Conferred October 1, 1979)	
RICHARD ALLEN COOK	Uniontown, PA
LAWRENCE MICHAEL CORRENTI	Pittsburgh, PA
ARNOLD JEFFREY CRAMER	Elkins Park, PA

JILL SUSAN CROLICK	Philadelphia, PA
VICTOR ANDERSON CROSBY, II	Athens, GA
LINDA MARIA D'ANDREA	Dunmore, PA
FRANCIS PETER DAY	Philadelphia, PA
THOMAS STUART DEGROAT	Ambler, PA
LEE MONROE DENNIS	Dover, DE
RUDOLPH THEODORE DEPERIA	Gibbstown, NJ
CHRISTINE CAROL DESJARDINS	Havertown, PA
DANIEL LEE DIEHL	Waymart, PA
DONALD ANTHONY DIENNO	Philadelphia, PA
RALPH RICHARD DIMATTIA	Springfield, PA
FRANK RICHARD DON DIEGO, JR.	Newark, NJ
PAUL DAVID ECKENBRECHT	Millsboro, DE
GUY MITCHELL EDMONDSON	Smyrna, DE
DAVID J. ELLIS	Glenside, PA
DONALD LEE EMERY	Wilmington, DE
TERRY ANN ESTNER	Wayne, PA
ANDREW A. FARKAS	East Petersburg, PA
RICHARD GEORGE FEDUSKA	Pittsburg, PA
BRAD FELDSTEIN	Levittown, PA
GARY ELIOT FINK	Villanova, PA
ROBERT KENT FINLEY, III	Dayton, OH
DONN SCOTT FISHBEIN	Springfield, NJ
JUDITH HARDY FLUELLEN	Philadelphia, PA
EDWARD KENNETH FRASER	Glenolden, PA
GLENN CURTIS FREAS	Havertown, PA

STEVEN PAUL FREI	Quakertown, PA
HERVEY W. FROELICH, JR.	Wilmington, DE
RANDALL MARINO FULCHIERO	Ashville, PA
STEPHEN PETER GADOMSKI	Elizabeth, NJ
STEVEN JEFFREY GAMBURG	Roslyn, PA
PAUL ROTH GARRETT	West Chester, PA
ANTHONY ALFRED GASPARI	Philadelphia, PA
DIANE RUTH GILLUM	Allison Park, PA
PHILIP BRIAN GILMAN	Cheltenham, PA
INA MAE GILMORE	State College, PA
DAVID NEIL GINGRICH	Centre Hall, PA
GUY ALPHONSE GIORDANO	Sharon, PA
STEPHEN REED GOLL	Huntingdon Valley, PA
STUART LEON GORDON	Washington, DC
JEANOLIVIA DEAN GRANT	Philadelphia, PA
WILLIAM THOMAS GRIZOS	Indiana, PA
MARY JANE MCCLEMENTS GUARDIANI	Dover, DE
JULIUS MICHAEL GUARINO	Philadelphia, PA
PAUL GUILLARD	Osceola Mills, PA
CYNTHIA L. GULA	Sharpsville, PA
JEFFREY D. HARNER	Greensburg, PA
BRUCE HART	Glenolden, PA
GEOFFREY ALAN HART	Wilmington, DE
RICHARD RAYMOND HECKERT	Wilmington, DE
VINCENT PAUL HERBST	Lewisburg, PA
WAYNE C. HERRICK	Wilmington, DE
DAVID GLENN HERSHBERGER	Johnstown, PA
DAVID ALBERT HIGH	Williamsport, PA
WILLIAM DOUGLAS BUSH HILLER	Kaneohoe, HI
RAYMOND WESLEY HILLYARD, JR.	Wilmington, DE
JAMIE LYN HOFFMAN	Oreland, PA
RENWICK CARLISLE HOOD	Charlotte, NC
BENJAMIN THEODORE HOPKINS	New Kensington, PA
STEPHEN DAVID HULKOWER	Hartsdale, NY
MARK RICHARD HURTT	Millersville, PA
EDWARD H. ILLIONS	Philadelphia, PA
MARK JEFFREY INGERMAN	Broomall, PA
RAYMOND MARK ISHMAN	Brookville, PA
GREGORY MARTIN JACK	Mercer Island, WA
KAREN AUDREY JOHNSON	Seaford, DE
ANDREA GRACE JORDAN	Springfield, PA
MARSHALL CASH JORDAN	Skowhegan, ME
JAMES KIBRICK KATZ	Meadowbrook, PA
DAVID NEIL KENAGY	Xenia, OH
GEORGE WILLIAM KENNEDY	Corsica, PA
SCOTT MARK KENNEDY	Ripon, CA
ROBERT ROSS KESTER	Wilmington, DE
JODI ANN KIRSCHBAUM	Cliffside Park, NJ
WILLIAM DOUGLAS KOCHER	Whitehall, PA
JAMES DAVID KOLKER	Havertown, PA
MICHAEL JAY KORMAN	West Caldwell, NJ
SCOTT HARVEY KORN	Philadelphia, PA
DONALD LOUIS KRAMER	Warminster, PA
MARC MITCHELL KRESS	Philadelphia, PA
MARK SAUL KRUGER	Philadelphia, PA
GREGORY A. KUJALA	Wilmington, DE
DAVID JOHN KURANDA	Clarks Summit, PA
DOLORES BERNADETTE LABOTA	Centralia, PA
KIM DAVID LAMON	Philadelphia, PA
GORDON M. LANGSTON	Warminster, PA

JAY ELLIOTT LASNER	Plainfield, NJ
SAMUEL SIMON LAUCKS, II	York, PA
STEPHEN JOHN LAWLESS	Claymont, DE
SCOTT RAYMOND LAWSON	Norristown, PA
BRADLEY WILLIAM LAYTON	Equinunk, PA
MATTHEW HOWARD LEHMAN	Oil City, PA
PAMELA LOUISE LEIB	Waynesboro, PA
JOHN PAUL LEICHT	Elizabethtown, PA
HELEN BARBARA LERNER	Melrose Park, PA
ERIC WARREN LONGENBACH	Nazareth, PA
HAROLD MANDEL	Philadelphia, PA
ROBERT JAY MANN	Merion Station, PA
DAVID MICHAEL MANNINO, III	Clifton Heights, PA
KEVIN A. MANSMANN	Newtown Square, PA
STEPHEN CRAIG MARCUM	Malvern, PA
JOHN RAYMOND MARTELL, JR.	Elizabeth, PA
HARRY OWEN MATEER, JR.	Monaca, PA
FREDERIC JAY MATLIN	Havertown, PA
MARTHA LOUISE SHENOT MATTHEWS	Cazenovia, NY
ROY CHARLES MAYNARD	Philadelphia, PA
MALCOLM LEWIS MCANINCH	Camas, WA
MICHAEL DAVID MCCLOSKEY	West Hartford, CT
VIOLET JUBAY MCKEE	Pacific Grove, CA
JAMES MICHAEL MCWEENEY	San Diego, CA
ANN LOUISE MIHALICK	Johnstown, PA
MATTHEW CHARLES MILLER	Wynnewood, PA
ROBERT JOSEPH MIRABILE	Lafayette Hill, PA
FRANCIS PATRICK MOHAN	Centralia, PA
DENNIS TOSTI MONTEIRO	King of Prussia, PA
KATHRYN EMILY MORRIS	Cedar Knolls, NJ
STEVEN R. MYRICK	Wilmington, DE
PAUL MICHAEL NEWELL	Erie, PA
MICHAEL PATRICK O'LEARY	Wayne, PA
THOMAS FRANCIS O'MALLEY, JR.	Mechanicsburg, PA
VICTOR GEORGE ONUFREY	Audubon, PA
EUN CHAN SHELLEY PAI	Philadelphia, PA
SIMON P. PENNINGS	New Oxford, PA
HILARY ANNE PERR	East Brunswick, NJ
JOHNA H. PETERS	Trenton, NJ
ALBERT H. PETERSON	Mount Kisco, NY
CYNTHIA MARY PRONKO	Peckville, PA
JOHN S. RADOMSKI	Philadelphia, PA
DEBORAH A. RANISH	Ambridge, PA
MICHAEL STEPHAN REMETZ	Glenmoore, PA
MARK LAWRENCE REPKA	Newark, DE
BARRY DALE RINKER	Nazareth, PA
MICHAEL HARRIS RITTENBERG	Kingston, PA
STEPHEN S. G. ROBB	Pocono Pines, PA
FRANCIS MICHAEL ROMMEL	McKeesport, PA
ANNE LOUISE ROSENBERG	Cinnaminson, NJ
JEROME HOWARD ROSENSTEIN	Philadelphia, PA
CHRISTOPHER JOSEPH ROSKO	Norristown, PA
TERENCE CONRAD ROSS	Wilmington, DE
MARIANNE S. ROTHSTEIN	Philadelphia, PA
MARK GORDON RUBIN	Watchung, NJ
COREY KADES RUTH	Auburn, WA
RICHARD MARK RYBARCZYK	Hazleton, PA
DAVID MICHAEL SACK	Dunmore, PA
ELI RICHARD SALEEBY	Philadelphia, PA
DEBORAH ANN SCHAUDT	Harmony, PA

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 University 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.