


6-9-1989

1989 Commencement for Jefferson Medical College and College of Graduate Studies

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165TH
COMMENCEMENT



Jefferson Medical College
College of Graduate Studies
of
Thomas Jefferson University
Philadelphia, Pennsylvania
1824-1989

Friday, June Ninth
Nineteen Hundred and Eighty-Nine
Half Past Ten O'clock

The Academy of Music

THE OATH OF HIPPOCRATES

I do solemnly swear by that which I hold most sacred:

That I will be loyal to the profession of medicine,
just to its members, and generous to its institutions;

That I will lead my life and practice my art in
uprightness and honor;

That I will give respect and gratitude to those who
have taught me this art;

That into whatsoever house I shall enter, it shall be
for the good of the sick to the utmost of my power,
I holding myself aloof from wrong, from corruption,
from the tempting of others to vice;

That I will exercise my art for the best care of my
patients,
and I will give no drug, perform no operation for
a criminal purpose, even if solicited far less
suggest it;

That whatsoever I shall see or hear of the lives of
my patients which is not fitting to be spoken,
I will keep inviolably secret.

These things I do promise upon my honor.

PROCESSIONAL	TRUMPET VOLUNTARY	JOHN STANLEY
	THE JEFFERSON PROCESSIONAL	BURLE MARX
OPENING PROCLAMATION	EDWARD C. DRISCOLL, <i>Chairman</i> Board of Trustees Thomas Jefferson University	
THE NATIONAL ANTHEM	JAEHO LEE, CLASS OF 1989	
INVOCATION	THE REVEREND EDWARD C. BRADLEY, S.J. Thomas Jefferson University	
CONVOCATION	LEWIS W. BLUEMLE, JR., <i>President</i> Thomas Jefferson University	
CONFERRING OF DEGREES IN COURSE	THE PRESIDENT	
	Doctor of Philosophy	JUSSI J. SAUKKONEN, <i>Dean</i>
	Presented by	College of Graduate Studies
	Doctor of Medicine	
	Presented by	JOSEPH S. GONNELLA, <i>Senior Vice President and Dean</i> Jefferson Medical College
	The Oath of Hippocrates	EDWARD H. MCGEHEE, <i>The Ellen M. and Dale W. Garber</i> <i>Professor of Family Medicine</i> Jefferson Medical College
	Master of Science	
	Presented by	DEAN SAUKKONEN
CONFERRING OF HONORARY DEGREE	THE PRESIDENT	
	WILLIAM H. GRAY, III, <i>Doctor of Laws</i>	
	Presented by	CHAIRMAN DRISCOLL
	ALLAN J. ERSLEV, <i>Doctor of Science</i>	
	Presented by	WILLIS C. MADDREY <i>The Magee Professor of Medicine and</i> <i>Chairman of the Department</i> Jefferson Medical College
BENEDICTION	REVEREND BRADLEY	
RECESSIONAL	Pomp and Circumstance	Elgar
	W. ERNEST WELLS, <i>Organist</i>	
	<i>Grand Marshal</i>	
	RALPH A. CARABASI, III	
	<i>Faculty Marshals</i>	
	BENJAMIN BACHARACH	HYMAN MENDUKE
	ARTHUR R. OWENS	HOWARD K. RABINOWITZ
	RUSSELL W. SCHAEGLER	RONALD P. JENSH
	GENO J. MERLI	
	<i>Student Marshals</i>	
	CATHERINE M. FLORIO	NANCY OLIVEIRA
	Jefferson Medical College	College of Graduate Studies

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

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- DAVID B. BOWER (Pharmacology) Woodstown, NJ
 B.S., Saint Joseph's College
 Thesis Title: "In Vitro Effects of Sera from Stressed Rats on Growth Parameters of Normal and Transformed Rat Cells."
 Thesis Advisor: Hideko Kaji, Ph.D.
- KATHLEEN JANE GAWEL-THOMPSON (Anatomy) Southampton, PA
 B.A., The Pennsylvania State University
 Thesis Title: "Investigation of the Capabilities of Murine Embryonic Palatal Tissue to Regulate Polyamine Accumulation via Biosynthesis and Transplantation."
 Thesis Advisor: Robert M. Greene, Ph.D.
- JOHN DAVID GRUBB (Biochemistry) Rochester, NY
 B.A., Gordon College
 Thesis Title: "Temporal Changes in Intracellular Protease Activities in the Rat Visceral Yolk Sac During the Latter Half of Gestation."
 Thesis Advisor: Robert M. Mettrione, Ph.D.
- LILI HSIAO (Pathology) Taiwan, ROC
 B.S., Taipei Medical College
 Thesis Title: "Modification of Host Cell Membrane Lipid Composition During the Intraerythrocytic Maturation of the Human Malarial Parasite *P. falciparum*."
 Thesis Advisor: Theodore F. Taraschi, Ph.D.
- SHAN JIN (Pathology) PRC, China
 B.A., Beijing Medical College
 Thesis Title: "Trophectoderm Associated Proteins in Implantation and Embryogenesis."
 Thesis Advisor: Ivan Damjanov, M.D.
- JAMES W. KARASZKIEWICZ (Biochemistry) Clementon, NJ
 B.A., Rutgers University
 Thesis Title: "Purification and Characterization of a Benzene Hydroxylase: A Cytochrome P-450 From Rat Liver Mitochondria."
 Thesis Advisor: George F. Kalf, Ph.D.
- LISA ANNE SPEICHER (Physiology) Havertown, PA
 B.S., The Pennsylvania State University
 Thesis Title: "Forces Regulating the Adherence of Human Endothelial Cells and Polymorphonuclear Leukocytes to Surfaces."
 Thesis Advisor: Stuart K. Williams, II, Ph.D.

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- BRUCE MICHAEL ACKERMAN Monongahela, PA
 B.S., The Pennsylvania State University
 Internal Medicine — Mercy Hospital, Pittsburgh, PA
- ARIEL ALBERT ALICEA Bethlehem, PA
 B.S., Muhlenberg College
 Family Practice — West Jersey Health System, Voorhees, NJ
- SUSAN ADAMITIS ALICEA Sugar Notch, PA
 B.S., B.A., University of Scranton
 Pediatrics — Primary — Thomas Jefferson University Hospital, Philadelphia, PA
- PATRICIA BETH AMADIO Doylestown, PA
magna cum laude
 B.A., Muhlenberg College
 General Surgery — Medical Center of Delaware, Newark, DE
- DONALD HERBERT ANDERSEN Wilmington, DE
 AOA
 B.A., Vassar College
 Surgery — Preliminary — University of Virginia Hospitals, Charlottesville, VA
 Urology — University of Virginia Hospitals, Charlottesville, VA
- DAVID CONRAD ANDERSON Wenonah, NJ
 B.A., Lafayette College
 Family Practice — University of Connecticut School of Medicine, Farmington, CT
- STEPHANIE LYNN ARLIS-MAYOR Plandome, NY
 B.A., Yale University
 Family Practice — Overlook Hospital, Summit, NJ
- STEVEN CARL BADE Pottstown, PA
 B.S., Ursinus College
 M.S., Villanova University
 Family Practice — Harrisburg Hospital, Harrisburg, PA
- KEVIN PATRICK BARRY West Chester, PA
 AOA
 B.S., Boston College
 Internal Medicine — Preliminary — Abington Memorial Hospital, Abington, PA
 Radiology — Diagnostic — Temple University Hospital, Philadelphia, PA
- LISA DANIELETTE BENTON Roselle, NJ
 B.A., The Johns Hopkins University
 General Surgery — University of Medicine and Dentistry of New Jersey — Robert W. Johnson Medical School, New Brunswick, NJ
- JOEL EDWARD BERMAN Philadelphia, PA
 B.A., University of Pennsylvania
 Surgery — Preliminary — Medical Center of Delaware, Newark, DE
- RONALD ANTHONY BERNA Cinnaminson, NJ
cum laude
 AOA
 B.S., Saint Joseph's University
 Internal Medicine — Thomas Jefferson University Hospital, Philadelphia, PA

- DALE SCOTT BIRENBAUM Philadelphia, PA
 B.S., The George Washington University
 Emergency Medicine — Thomas Jefferson University Hospital, Philadelphia, PA
- RANDALL DAVID BLINN Pompano Beach, FL
cum laude
 B.S., University of Miami
 Internal Medicine — Preliminary — Hahnemann University Hospital, Philadelphia, PA
- RAYMOND GREGORY BORKOWSKI Glenside, PA
 B.S., Villanova University
 M.S., Drexel University
 Internal Medicine — Preliminary — Thomas Jefferson University Hospital, Philadelphia, PA
- IRVIN DAVID BOUGH, JR. Upper Saddle River, NJ
 A.B., Dartmouth College
 M.S., Georgetown University
 Surgery — Preliminary — Santa Barbara Cottage Hospital, Santa Barbara, CA
 Otolaryngology — Thomas Jefferson University Hospital, Philadelphia, PA
- GREGORY MICHAEL BRACCIA Pottstown, PA
 B.S., Ursinus College
 M.S., Villanova University
 Internal Medicine — Preliminary — Cooper Hospital-University Medical Center, Camden, NJ
 Anesthesiology — Thomas Jefferson University Hospital, Philadelphia, PA
- TODD ALLEN BUSH Martinsburg, PA
 B.S., Juniata College
 Internal Medicine — The Lankenau Hospital, Philadelphia, PA
- DAVID ALAN CAHN Los Gatos, CA
 B.A., University of California — Berkeley
 Family Practice — Kaiser Permanente Medical Center, Los Angeles, CA
- MARTHA CHRISTINE CARLOUGH Danville, PA
 B.S., Albright College
 Family Practice — Highland Hospital, Rochester, NY
- WILLIAM LUKE CARROLL Broomall, PA
 A.B., Saint Joseph's University
 J.D., Gonzaga University — School of Law
 Family Practice — Medical Center of Delaware, Newark, DE
- JENNIFER CHEN-HUI CHEN Mechanicsburg, PA
 B.S., Massachusetts Institute of Technology
 Internal Medicine — Boston City Hospital, Boston, MA
- NICOLETTE EMILIA CHIESA Venetia, PA
 B.A., Case Western Reserve University
 Family Practice — Conemaugh Valley Memorial Hospital, Johnstown, PA
- CAROLYN FARLEY CLASSEN York, PA
 B.S., The Pennsylvania State University
 Internal Medicine — Preliminary — Milton S. Hershey Medical Center, Hershey, PA
- DAVID MEYER COHEN Richmond, VA
 B.A., Columbia University
 Obstetrics/Gynecology — Allegheny General Hospital, Pittsburgh, PA
- AMY COLCHER Philadelphia, PA
 B.A., M.S., University of Pennsylvania
 Internal Medicine — Preliminary — The Lankenau Hospital, Philadelphia, PA
 Neurology — Georgetown University Hospital, Washington, DC

- HERBERT CLARK CONAWAY, JR. Bordentown, NJ
 A.B., Princeton University
 General Surgery — Morristown Memorial Hospital, Morristown, NJ
- MICHAEL KEVIN CONWAY New Castle, DE
 AOA
 B.A., University of Delaware
 General Surgery — Medical Center of Delaware, Newark, DE
- RAYMOND PAUL COOMBE Barnesville, PA
 B.S., Albright College
 Internal Medicine — Preliminary — Thomas Jefferson University Hospital, Philadelphia, PA
 Anesthesiology — Hospital of University of Pennsylvania, Philadelphia, PA
- DOUGLAS SCOTT COSLETT Kingston, PA
 B.S., King's College
 Obstetrics/Gynecology — The Lankenau Hospital, Philadelphia, PA
- BONNIE S. COYLE Nazareth, PA
 B.S., The Pennsylvania State University
 Internal Medicine — San Diego Naval Hospital, San Diego, CA
- JEANNE ANNETTE CRAFT Wilmington, DE
 B.S., The Pennsylvania State University
 M.A.H.P., Hahnemann University
 Pediatrics — Medical Center of Delaware, Newark, DE
- PETER DEAN CUMMINGS Franklin, PA
 B.S., Geneva College
 Surgery — Preliminary — Pennsylvania Hospital, Philadelphia, PA
- LORI RENEE CUTLER Allegan, MI
cum laude
 AOA
 B.S., The University of Michigan
 Obstetrics/Gynecology — Bowman Gray/North Carolina Baptist Hospital, Winston-Salem, NC
- MICHELE DIANE DAVIS Millersville, MD
 B.A., The Johns Hopkins University
 General Surgery — Saint Mary's Hospital, Waterbury, CT
- JOHN MICHAEL DELGAUDIO Philadelphia, PA
summa cum laude
 AOA
 B.A., LaSalle University
 Surgery — Preliminary — The Lankenau Hospital, Philadelphia, PA
 Otolaryngology — University of Michigan Hospitals, Ann Arbor, MI
- MICHAEL JOSEPH DEMANGONE Towanda, PA
 B.S., The Pennsylvania State University
 Family Practice — St. Margaret Memorial Hospital, Pittsburgh, PA
- AVNINDER SINGH DHALIWAL Fanwood, NJ
 B.S.E., Catholic University of America School Engineering & Architecture
 Internal Medicine — Preliminary — Morristown Memorial Hospital, Morristown, NJ
 Anesthesiology — University of Colorado School of Medicine, Denver, CO
- JOSEPH NICHOLAS DiBELLO, JR. Philadelphia, PA
 B.A., Temple University
 Surgery — Preliminary — Thomas Jefferson University Hospital, Philadelphia, PA

SCOTT STEVEN KATZMAN Newport Beach, CA
B.A., University of California — San Diego — Revelle
College
Surgery — Preliminary — University of California — San
Francisco, San Francisco, CA

JEFFREY DAVID KENT New Vernon, NJ
B.A., Franklin and Marshall College
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

DAVID J. KESSLER Philadelphia, PA
A.B., Harvard University
Internal Medicine — University of Texas Southwestern
Medical School, Dallas, TX

CINDY L. KHALIL Philadelphia, PA
B.S., Long Island University
Family Practice — Forbes Health System, Monroeville,
PA

EDWARD CHUL KIM Wilmington, DE
B.S., The Pennsylvania State University
Internal Medicine — Medical College of Virginia,
Richmond, VA

JOHN HOWE KIM Ridgewood, NJ
B.S., Yale University
Internal Medicine — Dartmouth-Hitchcock Medical
Center, Hanover, NH

DOMINICK A. KISTLER Harrisburg, PA
B.S., Villanova University
Family Practice — Latrobe Area Hospital, Latrobe, PA

ROBERT ANDREW KITEI Philadelphia, PA
B.S., Muhlenberg College
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Ophthalmology — St. Luke's-Roosevelt Hospital Center,
New York, NY

GERARD LOUIS KLINE Jenkintown, PA
B.A., LaSalle University
Family Practice — Geisinger Medical Center,
Danville, PA

KURT STUART KODROFF Philadelphia, PA
A.B., Vassar College
Internal Medicine — Medical College of Virginia,
Richmond, VA

ROBERT VINCENT KOLECKI Cherry Hill, NJ
B.S., University of Notre Dame
General Surgery — The Medical College of Pennsylvania,
Philadelphia, PA

DONNA MARIE KONLIAN New City, NY
magna cum laude
AOA
B.A., The Johns Hopkins University
Internal Medicine — Presbyterian Hospital,
New York, NY

ROBERT LOUIS KORN Philadelphia, PA
B.A., LaSalle College
Ph.D., Thomas Jefferson University
General Surgery — Temple University Hospital,
Philadelphia, PA

EROL MEHMET KOSAR Erie, PA
AOA
B.A., Gannon University
Internal Medicine — Preliminary — University Health
Center, Pittsburgh, PA

DENISE GAIL KREIDER-VOLOSHIN Elizabethtown, PA
cum laude
B.S., Elizabethtown College
Internal Medicine — Preliminary — Hahnemann
University Hospital, Philadelphia, PA

PATRICK JOSEPH LAPORTE, III Moosic, PA
B.S., University of Scranton
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Anesthesiology — Hospital of University of Pennsylvania,
Philadelphia, PA

MARK TIMOTHY LAU Honolulu, HI
B.A., The Johns Hopkins University
Obstetrics/Gynecology — Tripler Army Medical Center,
Honolulu, HI

DANIEL DŨNG QUỐC LÊ La Palma, CA
B.S., University of California — Irvine
Internal Medicine — Preliminary — Loma Linda
University Medical Center, Loma Linda, CA

JAEHO LEE Sepulveda, CA
B.A., Swarthmore College
Internal Medicine — University of California — Los
Angeles — San Fernando Valley Program,
Sepulveda, CA

DAVID WILLIAM LEH, JR. Allentown, PA
B.S., Tufts University
Transitional — Henry Ford Hospital, Detroit, MI

SHELDON SUTON LIN Hermitage, PA
cum laude
AOA
B.S., The Pennsylvania State University
Surgery — Preliminary — Thomas Jefferson University
Hospital, Philadelphia, PA

SUSAN LIVESAY Wilmington, DE
magna cum laude
AOA
B.S., University of Delaware
Family Practice — Medical Center of Delaware,
Newark, DE

ELIZABETH REED LIVINGSTON Newark, DE
magna cum laude
AOA
A.B., Colgate University
General Surgery — Temple University Hospital,
Philadelphia, PA

FRANCES WENDY LIZERBRAM San Diego, CA
B.A., University of California — Berkeley
Internal Medicine — Preliminary — Mount Zion Hospital
and Medical Center, San Francisco, CA

JONATHAN CARDEEN LOWRY Newark, DE
cum laude
AOA
B.A., University of Delaware
Transitional — Mercy Hospital and Medical Center, San
Diego, CA
Ophthalmology — Mayo Graduate School of Medicine,
Rochester, MN

PETER ANTHONY LUONGO Paramus, NJ
AOA
B.S., Georgetown University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

IAN BRUCE MAITIN Cherry Hill, NJ
B.A., Rutgers — The State University
Internal Medicine — Preliminary — The Bryn Mawr
Hospital, Bryn Mawr, PA

JOSEPH ANTHONY MANCINI Dix Hills, NY
B.S., State University of New York at Stony Brook
Transitional — Mercy Catholic Medical Center,
Darby, PA
Anesthesiology — Stony Brook Teaching Hospitals,
Stony Brook, NY

NICK MARAVICH, JR. Aliquippa, PA
B.S., Gannon University
Internal Medicine — Preliminary — Cooper Hospital-
University Medical Center, Camden, NJ
Radiology-Diagnostic — Pennsylvania Hospital,
Philadelphia, PA

ANDREW DAVID MARKIEWITZ Wilmington, De
cum laude
AOA
B.S., Cornell University
Orthopaedic Surgery — Cleveland Clinic Foundation,
Cleveland, OH

JOHN H MARKS Narberth, PA
B.S., Yale University
General Surgery — Thomas Jefferson University
Hospital, Philadelphia, PA

ARTHUR THOMAS MARTELLA Harleysville, PA
A.B., Columbia University
General Surgery — Montefiore/Einstein Affiliated
Hospitals, Bronx, NY

WILLIAM JOSEPH MATTIACE Lafayette Hill, PA
B.S., Saint Joseph's University
M.S., Villanova University
Family Practice — Williamsport Hospital and Medical
Center, Williamsport, PA

CARL J. MAY, JR. Orange, CT
B.A., Loyola College
M.S., Georgetown University
Internal Medicine — Preliminary — Medical Center of
Delaware, Newark, DE

JULIA ANN McCANN Johnson City, NY
B.S., Cornell University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

WILLIAM CHRISTOPHER MCGARVEY Feasterville, PA
cum laude
AOA
B.S., Temple University
Orthopaedic Surgery — Union Memorial Hospital,
Baltimore, MD

ROBERT ALAN MEDVE Yardley, PA
B.S., The Pennsylvania State University
Anesthesiology — Thomas Jefferson University Hospital,
Philadelphia, PA

MARY ANN MEIHOFFER Allentown, PA
B.S., The Pennsylvania State University
M.S., University of Cincinnati
Pathology — Thomas Jefferson University Hospital,
Philadelphia, PA

KATHRYN JOAN MEYER Lock Haven, PA
B.S., Bucknell University
Transitional — Medical Center of Delaware, Newark, DE
Anesthesiology — Thomas Jefferson University Hospital,
Philadelphia, PA

ALAN L. MEZEY Philadelphia, PA
B.A., Temple University
Internal Medicine — The Lankenau Hospital,
Philadelphia, PA

AOA — Alpha Omega Alpha Honor Medical Society

JAMES ROBERT MONATH Pittsburgh, PA
AOA
B.A., University of Notre Dame
Surgery — Preliminary — Bowman Gray/North Carolina
Baptist Hospital, Winston-Salem, NC
Urology — Bowman Gray/North Carolina Baptist
Hospital, Winston-Salem, NC

ANTHONY MONTEMURO Philadelphia, PA
B.A., LaSalle University
Internal Medicine — Pennsylvania Hospital,
Philadelphia, PA

THOMAS GERARD MORALES Santa Rosa, CA
B.A., University of California — Berkeley
Internal Medicine — University of Arizona Affiliated
Hospitals, Tucson, AZ

WYNNE ALLISON MORLEY Wallingford, PA
B.S., Wheaton College
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Ophthalmology — Wills Eye Hospital, Philadelphia, PA

THEODORE ALEXANDER NUKES Akron, OH
B.A., Washington University
Internal Medicine — Preliminary — Akron City Hospital,
Akron, OH
Neurology — Thomas Jefferson University Hospital,
Philadelphia, PA

CAROLYN BETH O'CONNOR Norristown, PA
B.A., Franklin and Marshall College
Internal Medicine — Medical Center of Delaware,
Newark, DE

JOHN PETER OGRONICK Barnesville, PA
B.S., Wilkes College
Family Practice — St. Clare's Hospital of Schenectady,
Schenectady, NY

DANIEL KEVIN O'NEILL Wilmington, DE
B.S., Villanova University
Surgery — The Graduate Hospital, Philadelphia, PA

JEFFREY ALAN PAFFRATH Conneaut Lake, PA
cum laude
B.S., Allegheny College
General Surgery — Tripler Army Medical Center,
Honolulu, HI
Otolaryngology — Tripler Army Medical Center,
Honolulu, HI

KATHLEEN MICHELE PALMER Montvale, NJ
B.S., Haverford College
Pediatrics — St. Christopher's Hospital, Philadelphia, PA

PATRICK NELSON PATCHEN, JR. Allison Park, PA
B.A., Washington and Jefferson College
General Surgery — Mercy Hospital, Pittsburgh, PA

JODY PAVLINKO-GHOSH Erie, PA
cum laude
AOA
B.S., M.S., University of Pittsburgh
Emergency Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

CHRISTINE MARIE PLUTO Greensburg, PA
B.S., Carnegie-Mellon University
Family Practice — Latrobe Area Hospital, Latrobe, PA

JONATHAN PONTELL Paramus, NJ
B.A., Rutgers University
Surgery — Preliminary — Kings County Hospital Center,
Brooklyn, NY
Otolaryngology — Long Island College Hospital,
Brooklyn, NY

JUDITH O. PRETELL Philadelphia, PA
 B.A., University of Massachusetts
 Ph.D., Tufts University
 Internal Medicine — Preliminary — Baystate Medical
 Center, Springfield, MA

CRYSTAL DAWN REED Philadelphia, PA
 B.S., Temple University
 M.S., Villanova University
 Transitional — Mercy Catholic Medical Center,
 Darby, PA

CHRISTOPHER JACKSON REID Wilmington, DE
 B.A., Duke University
 Internal Medicine — Preliminary — University of
 Maryland Medical System, Baltimore, MD
 Neurology — University of Maryland Medical System,
 Baltimore, MD

JAMES FRANK REILLY Allentown, PA
 B.S., University of Notre Dame
 General Surgery — The Lankenau Hospital,
 Philadelphia, PA

DOUGLAS MARTIN RICHTER Rockaway, NJ
 B.A., The Johns Hopkins University
 Internal Medicine — The Lankenau Hospital,
 Philadelphia, PA

LEONARD VICTOR RIDILLA, JR. Latrobe, PA
 B.A., Saint Vincent College
 Family Practice — Thomas Jefferson University Hospital,
 Philadelphia, PA

RICHARD JOHN RIZZO Wilmington, DE
 AOA
 B.A., The Johns Hopkins University
 Radiology-Diagnostic — Medical College of Virginia,
 Richmond, VA

JOHN CHARLES RODGERS Williamsport, Pa
 B.S., M.S., Bucknell University
 Surgery — Preliminary — Albert Einstein Medical
 Center, Philadelphia, PA

VINCENT JOSEPH ROLLO Claymont, DE
 AOA
 B.A., University of Delaware
 Surgery — Preliminary — Medical Center of Delaware,
 Newark, DE
 Orthopaedic Surgery — Thomas Jefferson University
 Hospital, Philadelphia, PA

HARÉL D. ROSEN Cherry Hill, NJ
 B.S., Rutgers — The State University
 Pediatrics — Medical Center of Delaware, Newark, DE

HEIDI ROCHELLE RUSS North Bellmore, NY
magna cum laude
 AOA
 B.S., State University of New York at Stony Brook
 Pediatrics — North Shore University Hospital,
 Manhasset, NY

CATHERINE ROBB SALVATI Bound Brook, NJ
 B.A., University of Pennsylvania
 Internal Medicine — George Washington University
 Hospital, Washington, DC

MARK RUSSELL SARFATI Columbia, MD
 AOA
 B.A., Bucknell University
 General Surgery — University of Arizona Affiliated
 Hospitals, Tucson, AZ

SCOTT ALAN SAUERWINE Pen Argyl, PA
 AOA
 B.S., Juniata College
 Internal Medicine — Mayo Graduate School of Medicine,
 Rochester, MN

SOTIERE EVAN SAVOPOULOS Wilmington, DE
 B.S., Houghton College
 Family Practice — Franklin Square Hospital Center,
 Baltimore, MD

DAVID THOMAS SAWYER Stratford, NJ
 B.S., The Pennsylvania State University
 Internal Medicine — University of Medicine and
 Dentistry of New Jersey — Robert W. Johnson Medical
 School, New Brunswick, NJ

MARK GEORGE SCHLITT Haddonfield, NJ
 AOA
 B.A., University of Pennsylvania
 Pediatrics — University of Virginia Hospital,
 Charlottesville, VA

PHILIP STEVEN SCHWARTZ Philadelphia, PA
 B.A., University of Pennsylvania
 Internal Medicine — Madigan Army Medical Center,
 Tacoma, WA

HENRY HAN-LIANG SHIH Wayne, NJ
 A.B., M.A., Harvard University
 Transitional — Santa Clara Valley Medical Center, San
 Jose, CA

BARBARA ANN SHOTWELL Bryn Mawr, PA
 B.A., University of Pennsylvania
 General Surgery — Thomas Jefferson University
 Hospital, Philadelphia, PA

CHRISTOPHER THOMAS SIEGEL Easton, PA
 B.S., The Pennsylvania State University
 General Surgery — University of Chicago Medical
 Center, Chicago, IL

RAJ KAMAL SINHA Coraopolis, PA
 B.S., The Pennsylvania State University
 Surgery — Preliminary — Abington Memorial Hospital,
 Abington, PA

ANDREW PAUL SIROTNAK Throop, PA
 B.S., University of Scranton
 Pediatrics — Medical Center of Delaware, Newark, DE

BRIAN CHARLES SMEAL Johnstown, PA
 B.S., M.S., Bucknell University
 General Surgery — Strong Memorial Hospital,
 Rochester, NY

TIMOTHY CRAIG SMITH Furlong, PA
 B.A., Temple University
 Psychiatry — Thomas Jefferson University Hospital,
 Philadelphia, PA

NINA JEAN SOLENSKI Philadelphia, PA
 B.S., Southern Connecticut State College
 Internal Medicine — Preliminary — Dartmouth-
 Hitchcock Medical Center, Hanover, NH
 Neurology — University of Virginia Hospitals,
 Charlottesville, VA

DEBRA LYNN SOMERS Dresher, PA
 B.A., University of Pennsylvania
 Obstetrics/Gynecology — The Western Pennsylvania
 Hospital, Pittsburgh, PA

DEBRA LYNN SOMERS Wyncote, PA
 B.S., Muhlenberg College
 Internal Medicine — Preliminary — Pennsylvania
 Hospital, Philadelphia, PA
 Radiology-Diagnostic — Albert Einstein Medical Center,
 Philadelphia, PA

JOHN MICHAEL SPANDORFER Cheltenham, PA
 B.S., Muhlenberg College
 Internal Medicine — Temple University Hospital,
 Philadelphia, PA

CHRISTOPHER GEORGE SPANICH Wilmington, DE
 B.A., The Johns Hopkins University
 Internal Medicine — Preliminary — The Bryn Mawr
 Hospital, Bryn Mawr, PA
 Ophthalmology — State University of New York —
 Buffalo Medical Center, Buffalo, NY

PETER GABRIEL NICHOLAS SPERANDIO Somerdale, NJ
 B.S., University of Pennsylvania
 General Surgery — Cooper Hospital-University Medical
 Center, Camden, NJ

DONNA LYNN STEWARD Upper Darby, PA
 A.B., Immaculata College
 Internal Medicine — Dwight D. Eisenhower Army
 Medical Center, Fort Gordon, GA

ROBERT JOHN STOFFA Jim Thorpe, PA
 B.S., Lehigh University
 Internal Medicine — Barnes Hospital, St. Louis, MO

DOUGLAS CRAIG SUTTON Langhorne, PA
 B.S., Temple University
 Surgery — Preliminary — Pennsylvania Hospital,
 Philadelphia, PA
 Orthopaedic Surgery — Thomas Jefferson University
 Hospital, Philadelphia, PA

ERIC MERRILL SWETERLITSCH Doylestown, PA
cum laude
 AOA
 B.S., Moravian College
 Internal Medicine — Vanderbilt University Medical
 Center, Nashville, TN

JOHN WILLIAM SWISHER Unityville, PA
 B.S., Ph.D., The Pennsylvania State University
 Internal Medicine — Milton S. Hershey Medical Center,
 Hershey, PA

WASYL SZEREMETA New Castle, DE
 A.B., Harvard University
 Surgery — Preliminary — Medical Center of Delaware,
 Newark, DE

TINA SITA TAGGART Hazleton, PA
 B.A., Bryn Mawr College
 Transitional — York Hospital, York, PA
 Ophthalmology — Temple University Hospital,
 Philadelphia, PA

LEONARD JOHN TANANIS, JR. Pottsville, PA
 B.S., Wilkes College
 Internal Medicine — The Lankenau Hospital,
 Philadelphia, PA

GREGORY J. TARASKA Peoria, IL
 B.S., Illinois State University
 Emergency Medicine — Thomas Jefferson University
 Hospital, Philadelphia, PA

MICHAEL TATARKO Twin Rocks, PA
 B.S., Indiana University of Pennsylvania
 Family Practice — Conemaugh Valley Memorial
 Hospital, Johnstown, PA

MARY ELLEN TOLBERG Kensington, CA
 AOA
 B.A., Pomona College
 Family Practice — University of Washington Affiliated
 Hospitals, Seattle, WA

ERIC LOUIS TRACHTENBERG Daly City, CA
 B.S., M.S., University of California — Davis
 Surgery — Preliminary — State University of New York
 Health Science Center, Syracuse, NY

WILLIAM MARK TRACHTMAN Wilmington, DE
 B.S., University of Delaware
 Internal Medicine — Preliminary — Albert Einstein
 Medical Center, Philadelphia, PA

MARLA RAE TRIANO Hazleton, PA
 B.S., University of Scranton
 Pediatrics — St. Christopher's Hospital, Philadelphia, PA

JOSEPH TRIOLO Havertown, PA
 B.S., Muhlenberg College
 Internal Medicine — Preliminary — The Bryn Mawr
 Hospital, Bryn Mawr, PA
 Radiology-Diagnostic — Mercy Catholic Medical Center,
 Darby, PA

PAUL TRIOLO Havertown, PA
 B.S., Muhlenberg College
 Family Practice — West Jersey Health System,
 Voorhees, NJ

JOHN YEE-FONG TSAI Arcadia, Ca
 B.A., Brown University
 Family Practice — Kaiser Permanente Medical Center,
 Fontana, CA

JAMES THEODORE TSATALIS Philadelphia, PA
 AOA
 B.A., Villanova University
 Transitional — Mercy Catholic Medical Center,
 Darby, PA
 Radiology-Diagnostic — Thomas Jefferson University
 Hospital, Philadelphia, PA

CHARLES DAVID TULLIUS Elizabeth, PA
 B.S., Saint Francis College
 Transitional — Presbyterian-University of Pennsylvania
 Medical Center, Philadelphia, PA
 Anesthesiology — Mercy Hospital, Pittsburgh, PA

SUNDER VENKATESULU Levittown, PA
 B.S., The Pennsylvania State University
 Internal Medicine — Thomas Jefferson University
 Hospital, Philadelphia, PA

LISA CAROLE Verno West Chester, PA
 B.S., The Pennsylvania State University
 Pediatrics — Wright-Patterson United States Air Force
 Medical Center, Dayton, OH

KATHLEEN O'CONNOR VERVERELI Lock Haven, PA
 B.A., Franklin and Marshall College
 Pediatrics — Thomas Jefferson University Hospital,
 Philadelphia, PA

PRODRAMOS A. VERVERELI Ambler, PA
magna cum laude
 AOA
 B.S., Ursinus College
 Surgery — Preliminary — Pennsylvania Hospital,
 Philadelphia, PA
 Orthopaedic Surgery — Thomas Jefferson University
 Hospital, Philadelphia, PA

DEBORAH MICHELE VINNICK Stamford, CT
 B.S., Trinity College
 Pediatrics — New England Medical Center, Boston, MA

JOHN JOSEPH VIOLA Waverly, PA
summa cum laude

AOA
B.S., The George Washington University
Surgery — Preliminary — Georgetown University
Hospital, Washington, DC
Neurosurgery — Georgetown University Hospital,
Washington, DC

EUGENIA SARAFIDIS WALSH Wilmington, DE
B.A., University of Delaware
Family Practice — Dwight D. Eisenhower Army Medical
Center, Fort Gordon, GA

JOHN JOSEPH WALSH, IV Newtown Square, PA
B.A., University of Delaware
Internal Medicine — Dwight D. Eisenhower Army
Medical Center, Fort Gordon, GA
Orthopaedic Surgery — Dwight D. Eisenhower Army
Medical Center, Fort Gordon, GA

ANDREW PHILIP WASSERMAN Philadelphia, PA
B.S., Muhlenberg College
Psychiatry — Hahnemann University Hospital,
Philadelphia, PA

BERNARD RALPH WAYMAN, III Yardley, PA
B.S., Muhlenberg College
Family Practice — West Jersey Health System,
Voorhees, NJ

CYNTHIA ELINOR WEBER Ardmore, PA
B.S., Duke University
Pediatrics — Preliminary — Hahnemann University
Hospital, Philadelphia, PA

ROBERT CHRISTIAN WEBER, II Ardmore, PA
B.S., Lehigh University
M.S., Bucknell University
Transitional — Mercy Catholic Medical Center,
Darby, PA
Ophthalmology — University of Rochester Medical
Center, Rochester, NY

MICHAEL HOWARD WETZEL Perkasie, PA
B.S., The Pennsylvania State University
Family Practice — Riverside Hospital, Newport
News, VA

WINTHROP FAULKNER WHITCOMB Framingham, MA
B.A., Wesleyan University
Internal Medicine — Baystate Medical Center,
Springfield, MA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY

THOMAS E. DAY Darby, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN NURSING

JEFFREY ALAN BEACH Wilkes-Barre, PA
CINDY DIANE CARDONICK Southampton, PA
CATHERINE MARY GLAVEY DOWHY Atco, NJ
BARBARA ELLEN DRAKE Havertown, PA
KAREN MARIE DURKEE Richmond, MI
EDNA F. HAGEN Philadelphia, PA
VICTORIA MARIA HOSHOWSKY Philadelphia, PA
CHRISTINE PITIUS INNES Philadelphia, PA
LYNN SUSAN JEFFERIES Collingswood, NJ

BRIAN MCKINLEY WILLARD Easton, PA
B.A., Lehigh University
Surgery — Preliminary — Easton Hospital, Easton, PA
Ophthalmology — State University of New York-
Downstate Medical Center, New York, NY

JONATHAN MARK WILSON Summerhill, PA
B.S., Indiana University of Pennsylvania
Family Practice — Latrobe Area Hospital, Latrobe, PA

KATHLEEN MARIE WOLF Bristol, CT
AOA
B.A., Washington and Jefferson College
Family Practice — St. Margaret Memorial Hospital,
Pittsburgh, PA

DIANE MARGARET WONNELL Wilmington, DE
B.A., Williams College
Internal Medicine — Preliminary — St. Elizabeth's
Hospital, Brighton, MA

MADLINE SANDRA WOOD-WAGEMAKER Philadelphia, PA
summa cum laude
AOA
B.S., Temple University
Family Practice — Medical Center of Delaware,
Newark, DE

DEBORAH SUE WRIGHT Stroudsburg, PA
B.A., Franklin and Marshall College
Family Practice — Overlook Hospital, Summit, NJ

DARIA CZYSZCZON YANEZ Riverton, NJ
B.A., Beaver College
Obstetrics/Gynecology — Medical Center of Delaware,
Newark, DE

ROBYN SEE LIN YIM Kaneohe, HI
B.A., Brown University
Psychiatry — University of Hawaii, Honolulu, HI

LINDA LOUISE YOUNG Albion, PA
B.S., Allegheny College
Family Practice — St. Vincent's Health Center, Erie, PA

MICHAEL ANDREW ZIMMER Philadelphia, PA
B.A., Temple University
General Surgery — University of Medicine and Dentistry
of New Jersey — New Jersey Medical School,
Newark, NJ

MARTIN ALLEN ZURMUHL Southampton, PA
B.S., The Pennsylvania State University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

MICHAEL J. DOWZICKY Sellersville, PA

KATHLEEN LUBA MITCHELL Springfield, PA
DEBORAH ANN NEWMAN Collingswood, NJ
JEANMARIE ORSO Fort Lee, NJ
NANCY LYNN PECK Sicklerville, NJ
NANCY J. PICARELLO Philadelphia, PA
SHARON SCERRATO Teaneck, NJ
NANCY L. TOMASELLI Cherry Hill, NJ
CATHERINE MARY WEIKEL Runnemede, NJ
DIANE YERARDI WOODFORD Voorhees, NJ

As final action cannot 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.

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 8, 1989

FACULTY AWARDS

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

BASIC SCIENCES: MARK RANDALL DENISON, B.A., M.D., Assistant Professor of Pediatrics and Instructor in Microbiology
CLINICAL SCIENCES: PETER AMADIO, Jr., B.S., M.D., Clinical Professor of Family Medicine and Clinical Assistant Professor of Medicine

Burlington Northern Foundation Faculty Achievement Award. For excellence in teaching and research productivity.

RONALD P. JENSH, B.A., M.A., Ph.D., Professor of Anatomy and Associate Professor of Radiology

Blockley-Osler Award for Excellence in Teaching of Clinical Medicine to a Faculty Member of a Jefferson Affiliated Hospital.

DAVID ROSE, B.A., M.D., Instructor in Surgery, The Bryn Mawr Hospital

The Leon A. Peris Memorial Award. To a member of the volunteer faculty for excellence in clinical teaching and superior patient care.

WARREN PEARLMAN GOLDBURGH, B.S., M.D., Clinical Professor of Medicine

AWARDS TO GRADUATING STUDENTS

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

MARK RUSSELL SARFATI, (honorable mention: DONALD HERBERT ANDERSEN)

The Orthopaedic Surgery Prize, sponsored by the Department of Orthopaedic Surgery.

DOUGLAS CRAIG SUTTON, (honorable mention: PRODRAMOS A. VERVERELI)

The Edward J. Moore Memorial Prize in Pediatrics.

KATHLEEN O'CONNOR VERVERELI, (honorable mention: DOUGLAS GRANT FIELD)

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.

PETER ANTHONY LUONGO, (honorable mention: SCOTT ALAN SAUERWINE)

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

IRVIN DAVID BOUGH, Jr., (honorable mention: JOHN MICHAEL DeGAUDIO)

The Carroll R. Mullen Memorial Prize in Ophthalmology.

CAROL A. HART, (honorable mention: WYNNE ALLISON MORLEY)

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

JULIA ANN McCANN, (honorable mention: CHRISTOPHER THOMAS SIEGEL)

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., Professor Emeritus of Psychiatry.

MADLINE SANDRA WOOD-WAGEMAKER, (honorable mention: RONALD ANTHONY BERNA)

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

MADLINE SANDRA WOOD-WAGEMAKER, (honorable mention: PRODRAMOS A. VERVERELI)

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

MADLINE SANDRA WOOD-WAGEMAKER, (honorable mention: JOHN MICHAEL DeGAUDIO)

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

KATHRYN JOAN MEYER, (honorable mention: ARTURO NICHOLAS DiNICOLA)

The Philip J. Hodes Prize in Radiology.

JAMES THEODORE TSATALIS, (honorable mention: STEVEN GEORGE IMBESI)

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

DONALD HERBERT ANDERSEN, (honorable mention: SUSAN LIVESAY)

The Leopold Goldstein Memorial Prize in Obstetrics and Gynecology, sponsored by Mrs. Leopold Goldstein and daughters in memory of Leopold Goldstein, M.D., for the highest average in Obstetrics and Gynecology.
ROBERT JOHN STOFFA, (honorable mention: DEBRA LYNN SOMERS)

The Arthur Krieger Memorial Prize in Family Medicine, sponsored by family and friends in memory of Arthur Krieger, M.D.
JULIA ANN McCANN, (honorable mention: MICHELE DIANE DAVIS)

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

THEODORE ALEXANDER NUKES, (honorable mention: NINA JEAN SOLENSKI)

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.
KATHLEEN MICHELE PALMER, (honorable mention: LISA CAROLE VERNO)

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.
KEVIN PATRICK BARRY, (honorable mention: RICHARD JOHN RIZZO)

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.
DANA BRUCE GREENBLATT, (honorable mention: KATHLEEN O'CONNOR VERVERELI)

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.
RAYMOND PAUL COOMBE, (honorable mention: ROBERT ALAN MEDVE)

The Hyman Menduke Research Prize is sponsored by Dr. T. 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.
JOHN JOSEPH VIOLA

The Annie Simpson General Medicine Prize to be awarded to the medical student who shall receive the best general average in general medicine.
JOHN MICHAEL SPANDORFER, (honorable mention: DAVID THOMAS SAWYER)

The Annie Simpson Lung Disease Prize to be awarded to the medical student who shall receive the best general average in lung diseases.
MARGARET HELEN DUFFY, (honorable mention: JOHN MICHAEL SPANDORFER)

The William F. Kellow Prize is to be awarded to the student who most closely exemplifies the attributes of the ideal physician. Sponsored by family and friends in memory of William F. Kellow, M.D., Dean and Vice President of Jefferson Medical College from 1967 to 1981.
JOHN JOSEPH VIOLA, (honorable mention: SUSAN LIVESAY, STEVEN GEORGE IMBESI, and CONNIE S. DRAPCHO-FOTTI)

The William C. Davis Prize is awarded to a senior who will pursue a career in Emergency Medicine. Sponsored by Mrs. Charlotte Davis in memory of her son William C. Davis, M.D., an alumnus of Jefferson Medical College.
JODY PAVLINKO GHOSH, (honorable mention: GREGORY J. TARASKA)

The Arnold R. Weitz Memorial Prize in Hematology is awarded to a senior medical student for outstanding aptitude and interest in Hematology. Sponsored by family and friends in memory of Arnold R. Weitz, M.D.
EDWARD RUSSELL HARDIMAN

The J. Woodrow Savacool Prize in Medical Ethics awarded to a senior medical student who embodies the traditional ideal of "caring for people." Sponsored by a Committee of Friends and Colleagues of J. Woodrow Savacool, M.D., an alumnus and former member of the medical faculty of Jefferson Medical College.
MADELINE SANDRA WOOD-WAGEMAKER, (honorable mention: MICHAEL KEVIN CONWAY and ANDREW DAVID MARKIEWITZ)

Upjohn Achievement Award to be given to a Senior Medical Student who shows outstanding all-around achievement in Clinical proficiency.
RANDALL DAVID BLINN, (honorable mention: HARRY AARON KAHN)

The Janet M. Glasgow American Medical Women's Association Award of Outstanding Achievement presented to a woman standing first in her class at graduation.
MADELINE SANDRA WOOD-WAGEMAKER

The Janet M. Glasgow American Medical Women's Association Scholarship Achievement Citation.
PATRICIA BETH AMADIO
LORI RENEE CUTLER
CONNIE S. DRAPCHO-FOTTI
CHERYL ADELE HANAU
DONNA MARIE KONLIAN
DENISE GAIL KREIDER-VOLOSHIN
SUSAN LIVESAY
ELIZABETH REED LIVINGSTON
JODY PAVLINKO-GHOSH
HEIDI ROCHELLE RUSS

The Lange Medical Publications Prizes to each of two outstanding Senior Students. A gift of four Lange Publications books.
CHERYL ADELE HANAU
DONNA MARIE KONLIAN

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

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

AWARDED TO A THIRD-YEAR STUDENT

Jerome J. Cooper Scholarship Fund. This scholarship is awarded annually to students who show outstanding all-around achievement. It was established by Elsie Cooper in memory of her son, and Delphine Cooper in memory of her husband, the children in memory of their father, and the sisters and brothers in memory of their brother.
SHERRI L. KRAMER

DOCTOR OF LAWS—WILLIAM H. GRAY, III

As the new Chairman of the House Democratic Caucus, Representative William H. Gray, III begins another phase of his impressive career of leadership and service in his sixth term as Representative of Pennsylvania's Second Congressional District. In this position, he will help House Democrats set priorities and determine strategies for Congressional action.

Currently, he serves on the Committee on Appropriations as a ranking member of the Subcommittee on Transportation and a member of the Subcommittee on Foreign Operations. He sits on the Democratic Steering Policy Committee and on the National Economic Commission, a bipartisan, blue ribbon panel reviewing ways to reduce the federal deficit and stimulate economic growth. Previously, Representative Gray served four years as Chairman of the House Committee on the Budget where his fiscal expertise brought him national recognition. He has served as Vice Chairman of the Congressional Black Caucus and as the Chairman of the Platform Drafting Committee for the 1988 Democratic Convention.

First elected in 1978, he emerged as a leading spokesman on African policy. He authored the bill to establish the African Development Foundation to provide United States aid to African villages, the only new agency created by a freshman and passed by Congress in this century. He was one of the first to warn of famine in Ethiopia, and he sponsored the 1984 aid bill which provided food to the people of that devastated land. In addition, he authored the House version of the Anti-Apartheid Acts of 1985 and 1986 which limited American financial support for apartheid.

Also a leader in domestic policy, he authored, in 1983, the first of a series of set-aside provisions which required the U.S. Agency for International Development to include minority and women business owners, historically black colleges, and minority private agencies to participate in development assistance programs. These groups have received three hundred million dollars in contracts over the past three years and anticipate an additional one billion dollars within the next ten years.

Representative Gray was born in Baton Rouge, Louisiana, in 1942, and was raised in North Philadelphia. He received a Bachelor of Arts degree from Franklin and Marshall College in 1963, a Masters in Divinity from Drew Theological Seminary in 1966, and a Masters in Theology from the Princeton Theological Seminary in 1970. He has been senior minister at Bright Hope Baptist Church in North Philadelphia since 1972.

Representative Gray is married to the former Andrea Dash of Montclair, New Jersey, and has three sons.

DOCTOR OF SCIENCE—ALLAN J. ERSLEV

Allan J. Erslev, M.D., Distinguished Professor of Medicine, Jefferson Medical College, and former Director of the Cardeza Foundation for Hematologic Research, performed experiments in 1953 which proved the existence of a factor in the plasma of anemic rabbits which stimulated red blood cell production. This factor, later known as the hormone erythropoietin, was cloned and mass produced in 1985. It is believed erythropoietin will soon be available to replace blood transfusions for kidney dialysis patients, alleviate their anemia, and improve the quality of their lives. Current clinical studies also suggest that the hormone may allow surgical candidates to auto-transfuse their blood frequently prior to surgery.

Doctor Erslev was born in Copenhagen, Denmark, in 1919. He attended the University of Copenhagen Medical School and graduated in 1945. His training included a term as a Clinical Fellow in Research at the Sloan-Kettering Institute for Cancer Research and as Damon Runyon Clinical Research Fellow at Yale University School of Medicine.

His prestigious appointments include Instructor in Medicine, Yale University School of Medicine, Research Associate at the Thorndike Memorial Laboratory, and Assistant Professor of Medicine, Harvard University School of Medicine. In 1959, he was appointed Associate Director of the Cardeza Foundation for Hematologic Research at Jefferson Medical College where he served as Director from 1963 through 1985. In 1985, he was named Distinguished Professor of Medicine at Jefferson Medical College.

Doctor Erslev's vast contributions to the study of hematology include hundreds of reviews and articles. He is a co-author and a co-editor of *Hematology*, a textbook which will soon be in its fourth printing. With Thomas G. Gabuzda, M.D., Professor of Medicine, Jefferson Medical College, he co-authored *Pathophysiology of Blood* which is now in its third printing.

Active in many professional organizations, he has been a Fellow, American College of Physicians; President of the Interurban Clinical Club; and a member of the Hematology Study Section of the National Institutes of Health. From 1967-1971, he was a contributing editor, *Acta Haematologica*, and he served on the editorial board of *Hematologic Pathology* in 1985.

Doctor Erslev was awarded a Guggenheim Fellowship in 1967, and was named the William B. Castle Lecturer, Boston University, in 1982. In 1987, he was named a Fellow, American Association for the Advancement of Science. His portrait was presented to Thomas Jefferson University by the Class of 1972, an honor of which he is especially proud.

At age seventy, Doctor Erslev continues his lifelong work of teaching and research. He is pleased that he has been able to observe and participate in the scientific work and clinical applications which have arisen from research done so early in his career, and he eagerly looks forward to the time when erythropoietin will be widely available for all who may benefit from its use.

Doctor Erslev is married to the former Betsy Lewis and has four children.

THE UNIVERSITY MACE

The Thomas Jefferson University Mace, carried for the first time in the 1986 Commencement Ceremonies by the Grand Marshal, was designed and cast by Howard Serlick, member of the Guild of Mastercraftsmen, Winterthur Scholar, and Chief Conservator (Gilding) of the Historical Society of Pennsylvania. It was crafted by silversmith Eugene Zweigle and woodturner Michael Copeland.

The four-foot long, fourteen-pound Mace is made of ebony highlighted with lapis lazuli to reflect Jefferson's colors (black and blue). It features a miniature of Henry Mitchell's sculpture, The Winged Ox, symbol of Saint Luke the Physician, the original of which stands beside the Scott Building on Walnut Street. The miniature was cast in silver by Mister Zweigle, who also fabricated the University seal, the profile of Thomas Jefferson, mounted at the base of the staff. The J. E. Caldwell Company coordinated the project.

Mister Mitchell's original statue of The Winged Ox, adopted by the University in 1976 as its symbol of clinical excellence, is mounted on a column containing the names of fifty medical scientists who have most advanced the art of healing. It also reflects the historical evolution of Thomas Jefferson University from its beginnings as Jefferson Medical College in 1824 to its current status as an academic health center comprising the Medical College, the College of Allied Health Sciences, the College of Graduate Studies, and the Jefferson Hospital.

The Mace, a grand emblem of the University's heritage, is carried at the head of all formal academic processions.

THE ACADEMIC COSTUME

The wearing of academic dress dates back to the early days of the older 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 in 1895, 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. Revisions to the code have occurred from time to time.

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. The majority of gowns are black but a number of institutions have adopted other colors to identify special programs or groups within the institution.

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 most commonly worn; six-sided tams of various colors may be used.

Some of the colors in the bindings of the hoods are:

white	Arts and Letters	green	Medicine
tan	Business	apricot	Nursing
lilac	Dentistry	dark blue	Philosophy
light blue	Education	salmon pink	Public Health
purple	Law	golden yellow	Science

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

black and blue	Thomas Jefferson University	silver gray and scarlet	The Medical College of Pennsylvania
red and blue	University of Pennsylvania		
blue and gold	Hahnemann University	white and cherry	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, Doctor 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. as 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. When worn by the President they are suspended from a black and blue ribbon, the University colors, united in the form of a circle with each seal comprising a top, bottom, right and left medallion.

The medallion on the President's right is the corporate seal of Thomas Jefferson University today and was created in 1969 when The 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 The Jefferson Medical College for many years. The oldest, at the bottom, 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 The Jefferson Medical College carried the seal of the parent institution, the Jefferson College in Canonsburg, Pennsylvania. The old corporate seal on the left bears the Latin words "Sigillum Jeffersoniani Medicinae Collegii-Philadelpiae" with no date.

The seal at the top was developed in 1967 as a result of research done by the late Edward L. Bauer, Professor Emeritus 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 that the words "Thomas Jefferson University" are replaced by "Jefferson Medical College." It was used only for the two years of 1967 to 1969.

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

