

6-10-1988

1988 Commencement for Jefferson Medical College and College of Graduate Studies

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164TH
COMMENCEMENT



Jefferson Medical College
College of Graduate Studies
of
Thomas Jefferson University
Philadelphia, Pennsylvania
1824-1988

Friday, June Tenth
Nineteen Hundred and Eighty-Eight
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, *Chairman*
Board of Trustees
Thomas Jefferson University

THE NATIONAL ANTHEM

INVOCATION THE REVEREND RONALD NEVIN
The Church of the Ascension

CONVOCATION LEWIS W. BLUEMLE, JR., *President*
Thomas Jefferson University

CONFERRING OF DEGREES IN COURSE THE PRESIDENT

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

Doctor of Medicine
Presented by JOSEPH S. GONNELLA, *Vice President and Dean*
Jefferson Medical College

The Oath of Hippocrates EDWARD H. MCGEHEE, *The Ellen M. and Dale W.
Garber Professor of Family Medicine*
Jefferson Medical College

Master of Science
Presented by DEAN SAUKKONEN

CONFERRING OF HONORARY DEGREE THE PRESIDENT

BERNARD LOWN, *Doctor of Humane Letters*
Presented by ORVILLE H. BULLITT, JR.
Vice Chairman, Board of Trustees
Thomas Jefferson University

BENEDICTION REVEREND NEVIN

RECESSIONAL Pomp and Circumstance Elgar

W. ERNEST WELLS, *Organist*

Grand Marshal
BRUCE E. JARRELL

Faculty Marshals

BENJAMIN BACHARACH
ARTHUR R. OWENS

RALPH A. CARABASI
HOWARD K. RABINOWITZ

HYMAN MENDUKE
RICHARD R. SCHMIDT

GENO J. MERLI
JOSEPH R. SHERWIN

Student Marshals

JULIA A. MCCANN
Jefferson Medical College

FRANKLIN CERASOLI
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

- RAGUNATH APPASWAMY (Pharmacology) Bridgeton, NJ
 B.S., M.B., Bangalore Medical College
 Thesis Title: "Isolation and Partial Characterization of a Novel Substance in the Plasma of Patients With Chronic Hepatic Encephalopathy."
 Thesis Advisor: Theodore A. Hare, Ph.D.
- MARK EDWARD BREZINSKI (Physiology) Nanticoke, PA
 B.S., King's College
 Thesis Title: "Thromboxane Receptor Antagonism in Myocardial Ischemia."
 Thesis Advisor: Allan M. Lefer, Ph.D.
- TROY LEE COUCH (Microbiology) Waldwick, NJ
 B.S., Colorado State University
 Thesis Title: "Characterization of *Mycoplasma muris* and its Relation to Other Murine Mycoplasmas."
 Thesis Advisor: Russell W. Schaedler, M.D.
- ROBERT FRANK CROCHELT (Pharmacology) Philadelphia, PA
 B.A., Columbia College
 Thesis Title: "Excitation-Contraction Coupling in Gallbladder Muscle."
 Thesis Advisor: C. Paul Bianchi, Ph.D.
- M. MAZHER JAWEED (Pharmacology) Bensalem, PA
 B.S., Osmania University
 M.S., West Virginia University
 Thesis Title: "Effect of Low Frequency Stimulation on Calcium Content and Fatigue in Mammalian Fast-Twitch Muscle."
 Thesis Advisor: C. Paul Bianchi, Ph.D.
- JENNIFER ANN LATA (Microbiology) Haddonfield, NJ
 B.A., Douglass College of Rutgers University
 Thesis Title: "Characterization of Cell Surface Antigen Expression by Human First Trimester Chorionic Villi Cells."
 Thesis Advisor: J. Bruce Smith, M.D.
- ROBERT DAVID MILLER (Microbiology) Lakeland, FL
 B.S., M.S., The Pennsylvania State University
 Thesis Title: "T Cell Regulation of a Murine Autoantibody Response in Nonautoimmune and Autoimmune Spleen Cell Populations."
 Thesis Advisor: Catherine E. Calkins, Ph.D.
- BELOO MIRAKHUR (Microbiology) Lansdale, PA
 B.S., M.S., St. Xavier's College of Bombay University
 Thesis Title: "Development of an *In Vitro* System to Study Encapsidation of Viral RNA of Vesicular Stomatitis Virus."
 Thesis Advisor: Richard W. Peluso, Ph.D.
- LINDA S. PELLICORE (Pharmacology) Philadelphia, PA
 B.S., Immaculata College
 Thesis Title: "Role of Adenosine in Modulation of Contraction and Calcium Metabolism in Carp Heart."
 Thesis Advisor: C. Paul Bianchi, Ph.D.
- DONNA JESSIE PRICE (Physiology) St. Petersburg, FL
 B.A., University of Pennsylvania
 Thesis Title: "Iodide Transport and its Regulation in the Thyroid Gland."
 Thesis Advisor: Joseph R. Sherwin, Ph.D.
- MARIA ANN RUPNICK (Physiology) Bensalem, PA
 B.S., The Pennsylvania State University
 Thesis Title: "The Study of Microvessel Endothelial Cell Migration *In Vitro*."
 Thesis Advisor: Stuart K. Williams, II, Ph.D.
- PIERETTE MARIE SHIPMAN (Anatomy) Philadelphia, PA
 B.S., Xavier University
 Thesis Title: "Relations Between Arachidonic Acid Metabolism and Development of Thymocytes in Fetal Thymic Organ Cultures."
 Thesis Advisor: Richard R. Schmidt, Ph.D.
- GREGORY LEE STAHL (Physiology) Upper Darby, PA
 B.S., Juniata College
 Thesis Title: "The Pathophysiological Actions of Platelet Activating Factor in Ischemic and Shock States."
 Thesis Advisor: Allan M. Lefer, Ph.D.
- YUN YEN (Pathology) Bethlehem, PA
 M.D., Taipei Medical College
 Thesis Title: "Oligosaccharides of Normal and Neoplastic Epithelial Cells of the Human Female Reproductive System."
 Thesis Advisor: Ivan Damjanov, M.D., Ph.D.

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- Jose Jesus Abreu Hialeah, FL
 B.S., University of Miami
 Obstetrics/Gynecology — Jackson Memorial Hospital, Miami, FL
- BRETT LAWRENCE ACKER Milton, PA
 B.S., Wheaton College
 Family Practice — The Williamsport Hospital, Williamsport, PA
- KARL MELVIN AHLWEDE Minturn, CO
 B.S., University of Colorado
 General Surgery — Thomas Jefferson University Hospital, Philadelphia, PA
- JEFFREY JAY ALBERT Waynesburg, PA
 B.S., Indiana University of Pennsylvania
 Orthopaedic Surgery — Akron General Medical Center, Akron, OH
- MARK EDWARD ALDEN Bryn Athyn, PA
 AOA
 B.A., The Pennsylvania State University
 B. Th., Academy of the New Church Theological School
 Surgery — Preliminary — Abington Memorial Hospital, Abington, PA
- EVALINE A. ALESSANDRINI Wilmington, DE
 AOA
 B.S., Marquette University
 Pediatrics — Children's Hospital National Medical Center, Washington, DC
- ALAN PETER ALFANO Dix Hills, NY
 B.S., Adelphi University
 Physical Medicine and Rehabilitation — Nassau County Medical Center, East Meadow, NY
- STEVEN MICHAEL ALFOND New York, NY
 B.A., University of Pennsylvania
 Internal Medicine — Preliminary — Nassau County Medical Center, East Meadow, NY
 Anesthesiology — University of Florida Medical Center, Gainesville, FL
- KENNETH BRYAN ASHLEY Los Angeles, CA
 A.B., Stanford University
 Psychiatry — Beth Israel Medical Center, New York, NY
- ANN GIOVANNA AULETTA Centereach, NY
magna cum laude
 AOA
 B.S., M.A., University of Scranton
 Radiology/Diagnostic — Medical College of Virginia, Richmond, VA
- JOHN MICHAEL BALDAUF Tucson, AZ
 B.A., University of Arizona
 General Surgery — Tulane University School of Medicine, New Orleans, LA
- DAVID RICHARD BATTAGLIA Mars, PA
 B.S., Union College
 Family Practice — The Bryn Mawr Hospital, Bryn Mawr, PA
- ALBERT ADAM BELARDI, JR. Scranton, PA
cum laude
 B.A., Brown University
 M.S., University of Scranton
 Internal Medicine — Preliminary — The Bryn Mawr Hospital, Bryn Mawr, PA
 Anesthesiology — Thomas Jefferson University Hospital, Philadelphia, PA
- BRUCE NELSON BENGE Wilmington, DE
 B.S., Lehigh University
 General Surgery — Eastern Virginia Graduate School of Medicine, Norfolk, VA
 Urology — Eastern Virginia Graduate School of Medicine, Norfolk, VA
- JOSEPH PAUL BERING, JR. Mount Gretna, PA
 B.A., Bucknell University
 Internal Medicine, Geisinger Medical Center, Danville, PA
- BRENDA L. BERKEBILE Pittsburgh, PA
 B.S., Allegheny College
 Internal Medicine — Preliminary — Western Pennsylvania Hospital, Pittsburgh, PA
 Anesthesiology — Western Pennsylvania Hospital, Pittsburgh, PA
- ADAM ANDREW BIANCHINI North Providence, RI
 B.S., Brown University
 General Surgery — USAF Medical Center, Wright-Patterson AFB, OH
- NANCY BIERMAN-DEAR Laurel Springs, NJ
 B.S., Villanova University
 Family Practice — West Jersey Health System, Voorhees, NJ
- WILLIAM NASSAU BOTHWELL Columbus, NJ
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 General Surgery — Abington Memorial Hospital, Abington, PA
- MARK EDWARD BREZINSKI Nanticoke, PA
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 Internal Medicine — Brigham and Women's Hospital, Boston, MA
- MICHAEL BENJAMIN BROSCIUS Shamokin, PA
 B.S., Bucknell University
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- PATRICIA ANN BRUMBAUGH Lemon Grove, CA
 B.S., University of Utah
 Family Practice — St. Joseph's Hospital, Denver, CO
- JOHN ROBERT BURGE Wilmington, DE
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 Internal Medicine — Medical Center of Delaware, Newark, DE
- GREG FRANCIS BURKE West Pittston, PA
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Transitional — Brooke Army Medical Center, San
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Transitional — Mercy Catholic Medical Center,
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Neurology — Temple University Hospital,
Philadelphia, PA

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Obstetrics/Gynecology — Monmouth Medical Center,
Long Branch, NJ

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Baltimore, MD
Ophthalmology — University of Maryland Medical
System, Baltimore, MD

KYLE RICE KAULBACK Toms River, NJ
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Internal Medicine — Preliminary — Reading Hospital
and Medical Center, Reading, PA

EILEEN SHARI KESSLER Bordentown, NJ
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Internal Medicine — Beth Israel Medical Center, New
York, NY

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ROMAN ANDREW KLUFAS Pawtucket, RI
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Urology — Thomas Jefferson University Hospital,
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Internal Medicine — Preliminary — Mercy Catholic
Medical Center, Darby, PA

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Surgery — Preliminary — St. Francis Hospital and
Medical Center, Hartford, CT
Urology — University of Connecticut School of Medicine,
Farmington, CT

ANA MARIA LÓPEZ-GARCÍA Phoenix, AZ
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Internal Medicine — University of Arizona Affiliated
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Orthopaedic Surgery — Thomas Jefferson University
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JEANNE M. MARRAZZO Dunmore, PA
cum laude
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A.B., Harvard-Radcliffe College
Internal Medicine — Yale-New Haven Hospital, New
Haven, CT

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Brunswick, NJ

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Family Practice — St. Joseph's Hospital, Reading, PA

JAMES LEO McCABE, III Wynnewood, PA
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B.S., The Pennsylvania State University
M.H.A., Tulane University
Internal Medicine — Preliminary — Lankenau Hospital,
Philadelphia, PA
Radiology/Diagnostic — The New York Hospital, New
York, NY

CHARLES CRAWFORD MECHEM Devon, PA
B.S., M.S., Stanford University
Transitional — Valley Medical Center, Fresno, CA
Emergency Medicine — Valley Medical Center,
Fresno, CA

ERICH G. METZLER Wilmington, DE
cum laude
B.S., Allegheny College
Obstetrics/Gynecology — University Health Center,
Pittsburgh, PA

PAMELA JOAN MILLER Greenville, DE
AOA
B.S., Duke University
Emergency Medicine — Medical Center of Delaware,
Newark, DE

JOHN JOSEPH MOFFITT Bethlehem, PA
B.S., Muhlenberg College
Surgery — Preliminary — Allentown Affiliated Hospital,
Allentown, PA
Otolaryngology — Thomas Jefferson University Hospital,
Philadelphia, PA

JORGE ANTONIO MUJICA Riverdale, GA
B.S., Georgetown University
Internal Medicine — Preliminary — Sinai Hospital of
Baltimore, Baltimore, MD

LISA ANN MUMMAW Mount Joy, PA
B.S., West Virginia Wesleyan College
Family Practice — Lancaster General Hospital,
Lancaster, PA

MICHAEL CRAIG MUNIN Havertown, PA
B.S., West Chester University
Internal Medicine — Preliminary — Allegheny General
Hospital, Pittsburgh, PA
Physical Medicine and Rehabilitation — Thomas
Jefferson University Hospital, Philadelphia, PA

MICHAEL F. MURPHY Scranton, PA
B.S., University of Scranton
Family Practice — Wyoming Valley Family Practice,
Kingston, PA

ANDREW JAY MUSTIN Dresher, PA
B.S., Muhlenberg College
Internal Medicine — Abington Memorial Hospital,
Abington, PA

GREGORY TURA NARZIKUL Wallingford, PA
B.S., Villanova University
Family Practice — The Bryn Mawr Hospital,
Bryn Mawr, PA

JEAN MARIE NELSON Wilmington, DE
A.B., Cornell University
Transitional — Allentown Affiliated Hospital,
Allentown, PA

WILLIAM HOWARD NELSON Westfield, NJ
A.B., Vassar College
Emergency Medicine — Emory University School of
Medicine, Atlanta, GA

PETER J. NOWOTARSKI Reading, PA
AOA
B.A., Temple University
Surgery — Preliminary — University of Maryland
Medical System, Baltimore, MD
Orthopaedic Surgery — University of Maryland Medical
System, Baltimore, MD

JAMES JOSEPH O'CONNOR, III Clarks Summit, PA
B.S., University of Scranton
Internal Medicine — The Medical College of
Pennsylvania, Philadelphia, PA

STEFAN SANSFIELD O'CONNOR Pittsburgh, PA
B.S., The Pennsylvania State University
Internal Medicine — Preliminary — Hahnemann
University Hospital, Philadelphia, PA
Ophthalmology — New York Eye & Ear Infirmary, New
York, NY

PHILIP HUGH O'DONNELL Bloomfield Hills, MI
magna cum laude
AOA
B.S., Michigan State University
Internal Medicine — Preliminary — Hahnemann
University Hospital, Philadelphia, PA
Ophthalmology — Wayne State University/Detroit
Medical Center, Detroit, MI

WARD JOHN O'DONNELL Scranton, PA
B.S., University of Scranton
Internal Medicine — Lankenau Hospital,
Philadelphia, PA

BRIAN J. O'HARA Clayton, NJ
B.S., Thomas Jefferson University
A.B., Rutgers University
Pathology — Thomas Jefferson University Hospital,
Philadelphia, PA

JOAN DUNSTONE O'LEARY Moscow, PA
summa cum laude
AOA
B.S., Georgetown University
Internal Medicine — Preliminary — The Graduate
Hospital, Philadelphia, PA

SCOTT ERIC OLITSKY Lansdale, PA
A.B., Bowdoin College
Internal Medicine — Preliminary — Framingham Union
Hospital, Framingham, MA
Ophthalmology — SUNY at Buffalo Graduate Medical/
Dental Education Consortium Program, Buffalo, NY

SUZANNE PATRICIA OLIVIERI Ardmore, PA
AOA
B.S., Chestnut Hill College
Pediatrics — Childrens' Hospital, Philadelphia, PA

MARIA GABRIELA PARENTE Ontario, CA
AOA
B.S., University of California — Irvine
Transitional — Chestnut Hill Hospital, Philadelphia, PA

GERALD BELMONT PARKER, III Tyrone, PA
B.S., Juniata College
Internal Medicine — Allegheny General Hospital,
Pittsburgh, PA

MARK M. PASQUARETTE Washington Crossing, PA
A.B., Albright College
Obstetrics/Gynecology — Georgetown University
Hospital, Washington, DC

BRIAN THOMAS PELCZAR West Nanticoke, PA
AOA
B.S., University of Notre Dame
Surgery — Preliminary — Pennsylvania Hospital,
Philadelphia, PA
Otolaryngology — Ohio State University Hospital,
Columbus, OH

BARBARA DAWN PETERS Bradford Woods, PA
B.A., Northwestern University
Radiology/Diagnostic — Medical Center of Delaware,
Newark, DE

TODD EUGENE PHILLIPS Sunbury, PA
B.S., The Pennsylvania State University
Family Practice — Geisinger Medical Center,
Danville, PA

MARIE ELAINE PINIZZOTTO Johnstown, PA
B.S., University of Pittsburgh
Obstetrics/Gynecology — Medical Center of Delaware,
Newark, DE

ROBERT BRUCE POLLACK West Orange, NJ
B.A., University of Pennsylvania
General Surgery — University of California — Irvine,
Orange, CA

WILLIAM RONALD PREBOLA, JR. West Pittston, PA
B.A., University of Pennsylvania
Transitional — York Hospital, York, PA
Physical Medicine and Rehabilitation — Thomas
Jefferson University Hospital, Philadelphia, PA

BONNIE LEIGH RABINOWITZ Philadelphia, PA
B.A., M.S., University of Pennsylvania
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

SUZANNE ELIZABETH REISS Gladwyne, PA
B.A., Williams College
Pediatrics — Childrens' Hospital, Philadelphia, PA

STACIA TAYLOR REMSBURG Camden, DE
B.A., West Virginia Wesleyan College
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

JOHN WELDON REYNOLDS Lancaster, PA
magna cum laude
AOA
B.S., Syracuse University
Family Practice — Lancaster General Hospital,
Lancaster, PA

JOHN TEMPLER RICH, JR. Drexel Hill, PA
B.S., Drexel University
Surgery — Preliminary — Medical Center of Delaware,
Newark, DE

CRAIG GARRY RICHMAN Philadelphia, PA
B.B.A., Temple University
Internal Medicine — The Graduate Hospital,
Philadelphia, PA

SUZANNE RICHMAN Davenport, IA
B.A., Rutgers University
Pediatrics — Medical Center of Delaware, Newark, DE

INGA HANSTEIN ROBBINS Exeter, NH
B.A., Bryn Mawr College
Internal Medicine — Pennsylvania Hospital,
Philadelphia, PA

MARGARET LANCASTER RODGERS Martinsburg, WV
B.S., University of Virginia
Pediatrics — Medical College of Virginia, Richmond, VA

BRUCE LAWRENCE ROLLMAN Cranford, NJ
B.A., University of Pennsylvania
Internal Medicine — University of Maryland Medical
System, Baltimore, MD

CHRISTOPHER PAUL RUFFINI Wallingford, PA
B.A., Lafayette College
Internal Medicine — Lankenau Hospital,
Philadelphia, PA

MARC STEVEN RUSSO Philadelphia, PA
B.S., Saint Joseph's University
Family Practice — Malcolm Grow USAF Medical Center,
Washington, DC

CYNTHIA ANNE SACHAROK Boothwyn, PA
B.S., Widener University
Family Practice — Medical Center of Delaware,
Newark, DE

PHILIP JOHN SASSO Warminster, PA
B.A., University of Pennsylvania
Internal Medicine — Preliminary — Milton S. Hershey
Medical Center, Hershey, PA

KAI DAVID JUSSI SAUKKONEN Wynnewood, PA
B.S., Yale University
Internal Medicine — New England Deaconess Hospital,
Boston, MA

CHRISTOPHER JAMES SAUNDERS Broomall, PA
cum laude
AOA
B.S., Duke University
General Surgery — University of California — Davis
Medical Center, Sacramento, CA

DAVID LEE SCHAEBLER West Lawn, PA
B.S., Ursinus College
Internal Medicine — Cooper Hospital — University
Medical Center, Camden, NJ

MICHAEL A. SCHAEFFER Armonk, NY
AOA
B.A., Brown University
Internal Medicine — Preliminary — Lankenau Hospital,
Philadelphia, PA
Ophthalmology — Scheie Eye Institute, Philadelphia, PA

ANDREA JON SCHAUER Farmingdale, NJ
B.S., University of Vermont
Family Practice — Harrisburg Hospital, Harrisburg, PA

RANDALL EVAN SCHRAGER Bellmore, NY
B.A., State University of New York at Binghamton
General Surgery — Pennsylvania Hospital,
Philadelphia, PA

HARVEY EARL SHEPARD Upton, MA
B.S., Houghton College
Emergency Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

AOA — Alpha Omega Alpha Honor Medical Society

RICHARD DEE SHIH Wilmington, DE
B.S., The Pennsylvania State University
General Surgery — University of Maryland Medical
System, Baltimore, MD

ERIC JOSEPH SIEGEL Easton, PA
AOA
B.S., University of Notre Dame
Pediatrics — University of Cincinnati Hospital,
Cincinnati, OH

LEE DAVID SILVERMAN Philadelphia, PA
B.S., The Pennsylvania State University
Psychiatry — Thomas Jefferson University Hospital,
Philadelphia, PA

CHRISTOPHER KUMAR SINHA Toms River, NJ
B.A., University of Pennsylvania
Transitional — Tripler Army Medical Center,
Honolulu, HI

JOHN JOSEPH SIROTNAK Throop, PA
B.S., University of Scranton
Surgery — Preliminary — Abington Memorial Hospital,
Abington, PA

TIMOTHY EARL SLAVENS Millsboro, DE
B.S., Eastern Mennonite College
Family Practice — St. Joseph's Hospital, Flint, MI

JOSEPH JOHN SLIWKOWSKI, JR. Wilmington, DE
B.S., Georgetown University
Family Practice — Thomas Jefferson University Hospital,
Philadelphia, PA

PAUL ANDREW SLOTA Penn Valley, PA
B.S., University of Notre Dame
Internal Medicine — Preliminary — The Bryn Mawr
Hospital, Bryn Mawr, PA
Physical Medicine and Rehabilitation — Thomas
Jefferson University Hospital, Philadelphia, PA

GEORGE ALAN SMALL Brooklyn, NY
AOA
A.B., Harvard College
Internal Medicine — Preliminary — Beth Israel Medical
Center, New York, NY
Neurology — Columbia University, New York, NY

SAE HOON SOHN Lewes, DE
B.A., Swarthmore College
General Surgery — St. Vincent's Hospital,
New York, NY

WILLIAM LLOYD SPRAGUE Tunkhannock, PA
B.S., Muhlenberg College
Family Practice — Sacred Heart Hospital, Allentown, PA

ROBERT NICHOLAS STAFFEN Homer City, PA
cum laude
AOA
B.S., Indiana University of Pennsylvania
Internal Medicine — Milton S. Hershey Medical Center,
Hershey, PA

CHRISTINE LOUISE STANLEY Newtown, PA
B.S., Youngstown University
Obstetrics/Gynecology — Lankenau Hospital,
Philadelphia, PA

BRIAN STELLO Shillington, PA
B.S., Albright College
Family Practice — Sacred Heart Hospital, Allentown, PA

RICHARD KEITH STERLING Plantation, FL
B.S., Muhlenberg College
M.S., University of Texas
Internal Medicine — Medical College of Virginia,
Richmond, VA

AOA — Alpha Omega Alpha Honor Medical Society

ROBERT RICHARD STOCK Wilmington, DE
 B.A., University of Delaware
 Family Practice — Medical Center of Delaware,
 Newark, DE

GORDON KAVANAUGH STOKES Norfolk, VA
 AOA
 B.A., Hampden-Sydney College
 M.S., Old Dominion University
 General Surgery — Medical College of Virginia,
 Richmond, VA

MICHAEL LOUIS SUNDAY Moscow, PA
summa cum laude
 B.S., University of Scranton
 General Surgery — Thomas Jefferson University
 Hospital, Philadelphia, PA

SUZANNE TERESA PRASILOVA VOELLER
 SUNDHEIM Wyncote, PA
 B.A., Miami University
 Psychiatry — Pennsylvania Hospital, Philadelphia, PA

CLINSON BOCKCHOON TAN Singapore
 B.S., University of Southern California
 Transitional — Harbor — UCLA Medical Center,
 Torrance, CA

HEIDI PEARL TONKEN Johnstown, PA
 B.S., McGill University
 General Surgery — Kaiser Permanente Medical Center,
 Oakland, CA

STEPHANIE M. TOY Palo Alto, CA
 B.S., University of California — Berkeley
 M.S., University of Pennsylvania
 Pediatrics — Kaiser Permanente Medical Center, San
 Francisco, CA

JOHN MICHAEL TRAVALINE, JR. Philadelphia, PA
 B.S., Saint Joseph's University
 Internal Medicine — University of Maryland Medical
 System, Baltimore, MD

CRAIG GEORGE VIII Allentown, PA
 B.S., Muhlenberg College
 Internal Medicine — University Health Center,
 Pittsburgh, PA

MICHAEL JAMES WALKER Broomall, PA
 B.S., Muhlenberg College
 General Surgery — Thomas Jefferson University
 Hospital, Philadelphia, PA

WILLIAM JOSEPH WARNING, II Newtown, PA
 B.A., Bucknell University
 Family Practice — Lancaster General Hospital,
 Lancaster, PA

MARTIN DOUGLAS WEAVER Philadelphia, PA
 B.A., Dickinson College
 M.A., Temple University
 Transitional — Mercy Catholic Medical Center,
 Darby, PA

SHARON JANE WIGGILL Wilmington, DE
 AOA
 A.B., Princeton University
 Radiology/Diagnostic — Temple University Hospital,
 Philadelphia, PA

DAVID ADAM WILLIAMS Jamison, PA
 B.S., Rensselaer Polytechnic Institute
 Internal Medicine — Preliminary — Medical Center of
 Delaware, Newark, DE
 Neurology — University of Massachusetts Medical
 Center, Worcester, MA
 AOA — Alpha Omega Alpha Honor Medical Society

LYNN RYAN WILLIAMS Wyndmoor, PA
summa cum laude
 AOA
 B.A., Northwestern University
 M.P.H., University of Michigan
 Internal Medicine — Preliminary — Abington Memorial
 Hospital, Abington, PA

CAROL JANINE WINTON Mission Viejo, CA
 B.S., University of California — Irvine
 Internal Medicine — Preliminary — Pacific Presbyterian
 Medical Center, San Francisco, CA
 Ophthalmology — St. Luke's/Roosevelt Hospital Center,
 New York, NY

RANDALL VERNON WONG Rockville, MD
 B.A., Haverford College
 Internal Medicine — Preliminary — The Bryn Mawr
 Hospital, Bryn Mawr, PA
 Ophthalmology — Georgetown University Medical
 Center, Washington, DC

RANDOLPH WING YIP WONG Fremont, CA
 B.S., University of California — Irvine
 General Surgery — University of Arizona Affiliated
 Hospitals, Tucson, AZ

SCOTT LEE WORMAN Columbus, GA
 B.A., Saint Lawrence University
 Family Practice — University of California — San Diego
 Medical Center, San Diego, CA

BRENDA ANN YANEZ Scottsdale, AZ
 B.S., Arizona State University
 Transitional — Lancaster General Hospital,
 Lancaster, PA

AMY YAVOREK Dickson City, PA
 AOA
 B.S., University of Scranton
 Obstetrics/Gynecology — Albert Einstein Medical
 Center, Philadelphia, PA

GREGORY K. YIM Kaneohe, HI
 B.A., Dartmouth College
 Pediatrics — Kapiolani Women's & Children's Medical
 Center, Honolulu, HI

KEVIN MICHAEL ZAKRZEWSKI Philadelphia, PA
 B.S., Villanova University
 Internal Medicine — The Graduate Hospital,
 Philadelphia, PA

JAMES GARFIELD ZANGRILLI Pittsburgh, PA
 B.S., The Pennsylvania State University
 Internal Medicine — Thomas Jefferson University
 Hospital, Philadelphia, PA

KENNETH LEE ZEITZER Philadelphia, PA
 B.A., LaSalle College
 Internal Medicine — Preliminary — Albert Einstein
 Medical Center, Philadelphia, PA

MARK ALAN ZELKOVIC Pittsburgh, PA
 B.A., Washington and Jefferson College
 General Surgery — Allentown Affiliated Hospital,
 Allentown, PA

CLAIRE ZILBER San Francisco, CA
 B.A., Haverford College
 Psychiatry — University of Colorado School of Medicine,
 Denver, CO

GUNNAR WALFRID ZORN, III Sadsburyville, PA
 B.S.E., Duke University
 Internal Medicine — Preliminary — Medical Center of
 Delaware, Newark, DE
 Physical Medicine and Rehabilitation — Thomas
 Jefferson University Hospital, Philadelphia, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

LINDA DANSKY (Anatomy) Wayne, PA
 B.S., The Pennsylvania State University
 M.S., University of Michigan
 Thesis Title: "Investigation of Some Roles and Interactions of Collagen in Development Using the Hydra 'Artificial
 Embryo' System."
 Thesis Advisor: E. Marshall Johnson, Ph.D.

ISABEL LEE MANDELBAUM (Environmental Toxicology) Philadelphia, PA
 B.A., Brooklyn College
 Ph.D., University of Pennsylvania
 Thesis Title: "Behavioral Effects of Low Lead Levels on Rats Exposed from Conception through Weaning."
 Thesis Advisor: Ronald P. Jensh, Ph.D.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY

CAROL JEANNE MESSLER King of Prussia, PA
 CHRISTINE MARIE PIMENTAL Pottstown, PA
 VILAS SATISHCHANDRAN Folsom, PA

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 9, 1988

FACULTY AWARDS

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

BASIC SCIENCES: IVAN DAMJANOV, M.S., M.D., Ph.D., Professor of Pathology and Cell Biology
CLINICAL SCIENCES: GERALD M. FENDRICK, B.A., M.D., Clinical Professor of Pediatrics

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

BASIC SCIENCES: THOMAS MICHAEL BUTLER, B.A., Ph.D., Professor of Physiology
CLINICAL SCIENCES: JOSE MARTINEZ, M.D., Professor of Medicine

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

JOHN JOSEPH BLIZZARD, A.B., M.A., M.D., Clinical Professor of Medicine, Lankenau Hospital

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

BURTON L. WELLENBACH, B.A., M.D., Clinical Professor of Obstetrics and Gynecology

AWARDS TO GRADUATING STUDENTS

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

GORDON KAVANAUGH STOKES, (honorable mention: JOHN CHARLES MAGEE)

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

JOHN BRIAN CATALANO, (honorable mention: WILLIAM JOSEPH MARKOWSKI)

The Edward J. Moore Memorial Prize in Pediatrics.

JEFFREY SCOTT FENDRICK, (honorable mention: ERIC JOSEPH SIEGEL)

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.

KAI DAVID JUSSI SAUKKONEN, (honorable mention: JEANNE M. MARRAZZO)

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

FRANCES ELEANORE GENTILE, (honorable mention: BRIAN THOMAS PELCZAR)

The Carroll R. Mullen Memorial Prize in Ophthalmology.

GREG FRANCIS BURKE, (honorable mention: SHARON JANE WIGGILL)

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.

EILEEN THERESA McGLYNN, (honorable mention: JOSEPH JOHN SLIWKOWSKI, JR.)

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.

EILEEN THERESA McGLYNN, (honorable mention: EVALINE A. ALESSANDRINI)

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

MICHAEL LOUIS SUNDAY, (honorable mention: LYNN RYAN WILLIAMS)

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

LYNN RYAN WILLIAMS, (honorable mention: JOAN DUNSTONE O'LEARY)

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

ALBERT ADAM BELARDI, JR., (honorable mention: JASON CHARLES CWIK)

The Philip J. Hodes Prize in Radiology.

BARBARA DAWN PETERS, (honorable mention: MICHAEL EVAN LEES)

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.

PATRICIA MARY CURTIN, (honorable mention: KATE SUGARMAN GREENBERG)

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.
JOHN M. DODGE, (honorable mention: JOAN DUNSTONE O'LEARY)

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

GERARD A. DeGRIPPO, JR., (honorable mention: WILLIAM JOSEPH WARNING, II)

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

JAMES LEO McCABE, III

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

SUZANNE ELIZABETH REISS, (honorable mention: EVALINE A. ALESSANDRINI)

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.

EILEEN THERESA McGLYNN, (honorable mention: SHARON JANE WIGGILL)

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.

ROBERT FRANK CROCHELT

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.

DEBORAH ANN KULP-HUGUES, (honorable mention: BRUCE NELSON BERGE)

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.

SUZANNE PATRICIA OLIVIERI, (honorable mention: GREG FRANCIS BURKE)

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.

KRISTA ANNE MANGES, (honorable mention: RICHARD LEE ELGART)

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.

MARK EDWARD BREZINSKI and ROBERT FRANK CROCHELT,
(honorable mention: LYNN RYAN WILLIAMS)

The Annie Simpson General Medicine Prize to be awarded to the medical student who shall receive the best general average in general medicine.

GREG FRANCIS BURKE, (honorable mention: JOHN CHARLES MAGEE)

The Annie Simpson Lung Disease Prize to be awarded to the medical student who shall receive the best general average in lung diseases.

PHILIP HUGH O'DONNELL, (honorable mention: JAMES JOSEPH O'CONNOR, III)

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.

LYNN RYAN WILLIAMS, (honorable mention: JOAN DUNSTONE O'LEARY)

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.

JAMES LEO McCABE, III, (honorable mention: CHARLES CRAWFORD MECHEM)

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.

GEORGE ALAN SMALL, (honorable mention: JAMES JOSEPH O'CONNOR, III)

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.

STACIA TAYLOR REMSBURG, (honorable mention: PATRICIA MARY CURTIN)

Upjohn Achievement Award to be given to a Senior Medical Student who shows outstanding all-around achievement in Clinical proficiency.
JOHN CHARLES MAGEE, (honorable mention: LYNN RYAN WILLIAMS)

The Janet M. Glasgow American Medical Women's Association Award of Outstanding Achievement presented to a woman standing first in her class at graduation.
LYNN RYAN WILLIAMS

The Janet M. Glasgow American Medical Women's Association Scholarship Achievement Citation.
ANN GIOVANNA AULETTA KRISTA ANNE MANGES
RUTH ANN BYERS EILEEN THERESA McGLYNN
LINDA LOURAY CASTEEL JOAN DUNSTONE O'LEARY

The Lange Medical Publications Prizes to each of two outstanding Senior Students. A gift of four Lange Publications books.
JOHN WELDON REYNOLDS MICHAEL LOUIS SUNDAY

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

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

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.
JOHN MICHAEL DeGAUDIO

DOCTOR OF HUMANE LETTERS—BERNARD LOWN

Doctor Bernard Lown, a *summa cum laude* graduate from the University of Maine, received his Doctor of Medicine degree from The Johns Hopkins University School of Medicine. He is Professor of Cardiology at the Harvard School of Public Health and Senior Physician at Brigham and Women's Hospital in Boston.

Doctor Lown, a pioneer in the research of sudden cardiac death, invented the defibrillator and the cardioverter, and introduced Lidocaine, a drug used worldwide to control disturbances in heartbeat. His recent work has demonstrated the role of psychological and behavioral factors in regulating the heart. Doctor Lown has written two books and published more than three hundred articles in leading medical journals.

Having a long-standing interest in international cooperation, Doctor Lown presided over the USA-China Physicians' Friendship Association in 1974-75. He founded and served as first president of Physicians for Social Responsibility and he has served as coordinator of various USA-USSR studies in cardiovascular disease.

In 1979, Doctor Lown wrote to Evgueni Chazov, Director General of the Cardiovascular Institute of the USSR, suggesting the formation of International Physicians for the Prevention of Nuclear War. IPPNW was established one year later. In 1985, Doctors Lown and Chazov accepted the Nobel Peace Prize on behalf of IPPNW for its "considerable service to mankind by spreading authoritative information and by creating an awareness of the catastrophic consequences of atomic warfare." Dr. Lown is the recipient of the George F. Kennan Award, the Ghandi Peace Prize, and the first Cardinal Medeiros Peace Award as well as numerous honorary degrees.

Doctor Lown is married to Louise C. and is the father of Anne Lown Green, Frederick, and Naomi.

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 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 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	white and cherry	Temple University
blue and gold	Hahnemann 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., 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.

