


6-8-1990

1990 Commencement for Jefferson Medical College and College of Graduate Studies

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166TH
COMMENCEMENT



Jefferson Medical College
College of Graduate Studies
of
Thomas Jefferson University
Philadelphia, Pennsylvania

1824-1990

Friday, June Eighth
Nineteen Hundred and Ninety
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 MOST REVEREND ANTHONY J. BEVILACQUA
Archbishop of Philadelphia

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, *Senior Vice President and Dean*
Jefferson Medical College

The Oath of Hippocrates JOSEPH F. MAJDAN, *Clinical Assistant Professor*
Professor of Medicine
Jefferson Medical College

Master of Science
Presented by DEAN SAUKKONEN

CONFERRING OF HONORARY DEGREE THE PRESIDENT

LOUIS W. SULLIVAN, *Doctor of Humane Letters*
Presented by CHAIRMAN DRISCOLL

BENEDICTION ARCHBISHOP BEVILACQUA

RECESSIONAL Pomp and Circumstance Elgar

W. ERNEST WELLS, *Organist*

Grand Marshal
BRUCE E. JARRELL

Faculty Marshals
BENJAMIN BACHARACH R. ANTHONY CARABASI JAMES B. ERDMANN HYMAN MENDUKE
GENO J. MERLI HOWARD K. RABINOWITZ RICHARD R. SCHMIDT JOSEPH R. SHERWIN MARION J. SIEGMAN

Student Marshals
UNA M. ESPENKOTTER LINDA M. JEMISON
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

- FRANK CERASOLI, JR. (Physiology) Union, NJ
 B.A., University of Delaware
 Thesis Title: "Characterization of Blood and Bone Marrow Neutrophil Function Associated with Acute Lung Injury."
 Thesis Advisor: Marlys H. Gee, Ph.D.
- ROBERT VINCENT CONSIDINE (Physiology) Monroeville, NJ
 B.Ch.E., University of Delaware
 Thesis Title: "The Effect of Botulinum C₂ Toxin and Tetanus Toxin on Cell Secretory Processes: Related Clostridial Toxins with Different Modes of Action."
 Thesis Advisor: Joseph R. Sherwin, Ph.D.
- GLENN DAVID FRAZER (Pharmacology) Wynnewood, PA
 B.S., Drexel University
 Thesis Title: "The Effect of Glucose and Acetyl-L-Carnitine on Energy Metabolites, Lipid Peroxidation and Glutathione During and Following Hypoxia in the Rat Hippocampal Slice."
 Thesis Advisor: Anthony J. Triolo, Ph.D.
- PETER ALOYSIUS GLASCOTT, JR. (Pharmacology) Upper Darby, PA
 B.A., University of Pennsylvania
 Thesis Title: "Salicylate-Induced Nephrotoxicity in the Laboratory Rat: Effects of Age, Sex and Strain."
 Thesis Advisor: James J. Kocsis, Ph.D.
- CHARLES BRIGGS HATHAWAY (Anatomy) Winston-Salem, NC
 A.B., Hamilton College
 Thesis Title: "Sources and Control of Release of Plasma Catecholamines in the American Eel, *Anguilla Rostrata* (Teleostei)."
 Thesis Advisor: August Epple, Ph.D.
- DIANE MARIE HERSHOCK (Pharmacology) Hamburg, PA
 B.S., Saint Joseph's University
 Thesis Title: "Stress Effects on Serum Nonesterified Fatty Acid, Triglyceride, Total and HDL Cholesterol Levels in Adult Rats."
 Thesis Advisor: Wolfgang H. Vogel, Ph.D.
- BRIAN A. LEARN (Microbiology and Immunology) Baltimore, MD
 B.S., The Pennsylvania State University
 Thesis Title: "Studies of Methyl-Directed DNA Repair in *Escherichia Coli*."
 Thesis Advisor: Robert H. Grafstrom, Ph.D.
- DONALD CHUA LIU (Pharmacology) Philadelphia, PA
 B.A., The Johns Hopkins University
 Thesis Title: "Unusual Immunomodulatory Activities of Poly (GLU, PHE) in Different Murine T Cell Systems."
 Thesis Advisor: Paul H. Maurer, Ph.D.
- JOANNE MARIE MILLER (Pharmacology) Lancaster, PA
 B.S., Shippensburg State University
 Thesis Title: "Measurement of Free and Conjugated Amino Compounds in Mammalian CNS: A Prototype Approach Resulting in the Detection of Several Novel GABA-containing Compounds."
 Thesis Advisor: Theodore A. Hare, Ph.D.
- BRIAN O'ROURKE (Physiology) Bensalem, PA
 B.S., The Pennsylvania State University
 Thesis Title: "Mechanisms of the Cardiac Alpha-Adrenergic Response."
 Thesis Advisor: Diane K. Reibel-Shinfeld, Ph.D.
- JOHN ANDREW OSBORNE (Physiology) Reading, PA
 B.S., The Pennsylvania State University
 Thesis Title: "The Effects of Hypercholesterolemia on the Vasculature and the Severity of Myocardial Ischemia in the Rabbit."
 Thesis Advisor: Allan M. Lefer, Ph.D.
- JOHN VINCENT POLLOCK (Physiology) Morton, PA
 B.S., Mount Saint Mary's College
 Thesis Title: "Vasoactive Responses of Isolated Rabbit Pulmonary Arterial Rings to Phorbol Esters and Autologous Lymphocytes."
 Thesis Advisor: James A. Spath, Jr., Ph.D.
- EILEEN FRANCES ROARKE (Anatomy) Bloomfield, CT
 B.S., University of Connecticut
 Thesis Title: "Regulation of N-cadherin Expression During Retinal Development."
 Thesis Advisor: Gerald B. Grunwald, Ph.D.
- JOHN EDWARD ROONEY (Biochemistry & Molecular Biology) New Milford, NJ
 A.B., Holy Cross College
 Thesis Title: "Detection and Location of Single Base Mutations in Large DNA Fragments by Immunomicroscopy."
 Thesis Advisor: Darwin J. Prockop, M.D., Ph.D.

- MICHAEL ALEXANDER ROBIN SATRE (Anatomy) Philadelphia, PA
 B.S., University of California
 Thesis Title: "Maternal-Fetal Disposition of Vitamin A Associated with Normal and Abnormal Development in the Mouse."
 Thesis Advisor: Devendra M. Kochhar, Ph.D.
- RICHARD JAY SMEYNE (Anatomy) Philadelphia, PA
 B.S., Saint Joseph's University
 M.A., University of Hartford
 Thesis Title: "The Development of the Weaver Cerebellum."
 Thesis Advisor: Daniel Goldowitz, Ph.D.

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- MATTHEW CARL ACKER III Reading, PA
 AOA
 B.S., Harvard University
 General Surgery — Presbyterian Hospital, New York, NY
- FRANCES PEREZ ADA Agana, Guam
 B.A., Stanford University
 Family Practice — The Bryn Mawr Hospital, Bryn Mawr, PA
- JOY ANN MA. A. AGUAS Livingston, NJ
 B.S., University of Notre Dame
 Family Practice — The Bryn Mawr Hospital, Bryn Mawr, PA
- MARIA ALAIMO-DINWIDDIE Van Nuys, CA
 B.S., M.S., University of California — Los Angeles
 Family Practice — Medical Center of Delaware, Newark, DE
- ANDRÉS MARTIN ALDRETE Golden, CO
 B.A., University of Colorado
 Emergency Medicine — Thomas Jefferson University Hospital, Philadelphia, PA
- THOMAS JAMES ALLARDYCE Avoca, PA
 B.S., Wilkes College
 Surgery — Preliminary — The Lankenau Hospital, Philadelphia, PA
 Orthopaedic Surgery — Thomas Jefferson University Hospital, Philadelphia, PA
- TARO ARAI Philadelphia, PA
 B.A., University of Pennsylvania
 General Surgery — The Graduate Hospital, Philadelphia, PA
- ELLEN MICHELE ARCH Springfield, PA
 AOA
 B.S., Dickinson College
 Pediatrics — University Health Center, Pittsburgh, PA
- CHRISTINE ANN ARENSON Wilmington, DE
 B.S., University of Delaware
 Family Practice — Thomas Jefferson University Hospital, Philadelphia, PA
- DIANE MARY ARMAO Springfield, PA
 B.A., University of Miami
 M.S., Medical College of Georgia
 Pathology — University of New Mexico School of Medicine, Albuquerque, NM
- EVANGELOS VAN BADIAVAS Lindenwold, NJ
 B.A., Rutgers, The State University of New Jersey
 Ph.D., Thomas Jefferson University
 Internal Medicine — Preliminary — The Medical College of Pennsylvania, Philadelphia, PA
- DOLE PARKER BAKER, JR. Baltimore, MD
 AOA
 B.S., Bucknell University
 Surgery — Preliminary — University of Maryland Medical System, Baltimore, MD
 Otolaryngology — University of Maryland Medical System, Baltimore, MD
- VINCENT FRANCIS BALDASSANO Gwynedd Valley, PA
 B.S., Duke University
 Internal Medicine — Preliminary — The Lankenau Hospital, Philadelphia, PA
 Ophthalmology — Geisinger Medical Center, Danville, PA
- PETER KURT BAMBERGER Phoenixville, PA
 B.A., Temple University
 General Surgery — Walter Reed Army Medical Center, Washington, DC
- DANIEL BARAM Blue Bell, PA
magna cum laude
 B.S., The Pennsylvania State University
 Internal Medicine — The New York Hospital, New York, NY
- LENA DIANE BARAM Woodmere, NY
 B.A., University of Pennsylvania
 Pediatrics — The New York Hospital, New York, NY
- ROBERT EDWARD BARKETT, JR. Mansfield, OH
 B.S., Purdue University
 Internal Medicine — Riverside Methodist Hospital, Columbus, OH
- ANDREA ROSE BATES Irvine, CA
 B.S., University of California — Irvine
 Psychiatry — University of California — Davis Medical Center, Sacramento, CA
- ANDREW WILLIAM BAUER St. Davids, PA
 B.A., Amherst College
 Radiology — Diagnostic — The Bryn Mawr Hospital, Bryn Mawr, PA
- HEIDI BEILIS Roslyn Estates, NY
 B.S., Union College
 Surgery — Preliminary — The Johns Hopkins Hospital, Baltimore, MD
- NATHAN LOUIS BENNETT McMurray, PA
 B.A., Washington and Jefferson College
 Family Practice — Forbes Health System, Monroeville, PA
- ALAN KEITH BERGER Havre de Grace, MD
 B.A., Franklin and Marshall College
 Internal Medicine — University Hospital, Boston, MA

VINCENZO BERGHELLA Montesilvano, Italy
B.A., Manhattanville College
Obstetrics/Gynecology — New York Infirmary —
Beekman Downtown Hospital, New York, NY

RONALD STUART BERNE Wilmette, IL
B.S., M.S., University of Illinois at Urbana — Champaign
Internal Medicine — Preliminary — Rush-Presbyterian-
St. Luke's Medical Center, Chicago, IL

DAVID ALFRED BIGATEL Allentown, PA
B.S., The Pennsylvania State University
Surgery — Preliminary — Geisinger Medical Center,
Danville, PA

RALPH ANTHONY BRASACCHIO Rome, NY
B.A., St. John's College
M.S., State University of New York at Buffalo
Internal Medicine — Preliminary — Mercy Catholic
Medical Center, Darby, PA
Radiation Oncology — Strong Memorial Hospital,
Rochester, NY

MARK DAVID BRENNAN, JR. Yeadon, PA
B.S., University of Scranton
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Anesthesiology — Thomas Jefferson University Hospital,
Philadelphia, PA

JOHN KILGALLEN BURKE Philadelphia, PA
B.S., Saint Joseph's University
Obstetrics/Gynecology — The Lankenau Hospital,
Philadelphia, PA

TODD MICHAEL BUTZ Marietta, PA
B.A., University of Delaware
Internal Medicine — York Hospital, York, PA

MARY CHRISTINE BYRON Philadelphia, PA
B.S., University of Scranton
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Anesthesiology — Emory University School of Medicine,
Atlanta, GA

JAMES MARC CARDELIA Cherry Hill, NJ
A.B., Princeton University
M.S., Hahnemann University
Orthopaedic Surgery — University of Medicine and
Dentistry of New Jersey — Robert Wood Johnson
Medical School, Piscataway, NJ

LESLIE SETON CARROLL Dalton, PA
A.B., Harvard College — Radcliffe College
Emergency Medicine — The Medical College of
Pennsylvania, Philadelphia, PA

STEPHEN LINDSAY CARTER Coronado, CA
AOA
B.A., Point Loma College
General Surgery — Barnes Hospital, St. Louis, MO

MARK EDWARD CASE Kennett Square, PA
B.S., Yale University
Transitional — William Beaumont Army Medical Center,
El Paso, TX

JANE WOR CHAN San Leandro, CA
B.A., University of California — Berkeley
Obstetrics/Gynecology — Strong Memorial Hospital,
Rochester, NY

WEN CHAO Newark, DE
AOA
B.S., University of Delaware
Surgery — Preliminary — Thomas Jefferson University
Hospital, Philadelphia, PA
Orthopaedic Surgery — Thomas Jefferson University
Hospital, Philadelphia, PA

SANDRA CHERN Annandale, VA
AOA
B.S., The Pennsylvania State University
Internal Medicine — Preliminary — Hospital of the
University of Pennsylvania, Philadelphia, PA
Ophthalmology — Indiana University Medical Center,
Indianapolis, IN

SCOTT CHRISTOPHER COLE Bloomsburg, PA
B.S., Juniata College
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Anesthesiology — Thomas Jefferson University Hospital,
Philadelphia, PA

THOMAS PATRICK CURRAN Mountaintop, PA
cum laude
AOA
B.S., King's College
Internal Medicine — New England Deaconess Hospital,
Boston, MA

DAVID ARTHUR DALESSANDRO Wilkes-Barre, PA
B.S., University of Scranton
Internal Medicine — The Lankenau Hospital,
Philadelphia, PA

THOMAS ANDREW D'AMATO Philadelphia, PA
B.S., The Pennsylvania State University
Ph.D., State University of New York at Binghamton
General Surgery — Eastern Virginia Graduate School of
Medicine, Norfolk, VA

MICHAEL JAMES DANNENBERG Huntington, NY
B.A., Skidmore College
M.S., University of Virginia
Internal Medicine — Preliminary — Baystate Medical
Center, Springfield, MA

NEVILLE DAVIS Camden, NJ
B.A., Trinity College
M.P.A., Cornell University
Family Practice — University of Missouri Hospitals and
Clinics, Columbia, MO

RANDY GEORGE DELCORE Plattsburgh, NY
cum laude
AOA
B.S., State University of New York at Albany
Orthopaedic Surgery — University of Iowa Hospitals and
Clinics, Iowa City, IA

STEPHANIE LEE DEMARA San Diego, CA
B.A., University of California — San Diego
Anesthesiology — University of Arizona Affiliated
Hospitals, Tucson, AZ

ERIC DESMAN Huntingdon Valley, PA
B.S., Duke University
Surgery — Preliminary — The Union Memorial Hospital,
Baltimore, MD

ALICE RUTH DICK Whittier, CA
B.S., University of Pennsylvania
Internal Medicine — Pacific Presbyterian Medical Center,
San Francisco, CA

ROBERTA MARIA DI FLORIO Moorestown, NJ
B.A., Georgetown University
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA

THERESA ANN VICTORIA DONATI Drums, PA
B.A., Franklin and Marshall College
Internal Medicine — Preliminary — Milton S. Hershey
Medical Center, Hershey, PA

RANDALL RICHARD DRAPER Butler, PA
B.S., Gannon University
General Surgery — Western Pennsylvania Hospital,
Pittsburgh, PA

DAVID EZRA DRIBAN Philadelphia, PA
B.S., Muhlenberg College
Family Practice — Medical Center of Delaware,
Newark, DE

ROSEMARY ANN DUFFY Medford Lakes, NJ
AOA
B.S., Saint Joseph's University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

ROBIN ANN DUNFEE Havertown, PA
B.S., West Chester University
Family Practice — Lancaster General Hospital,
Lancaster, PA

DEBORAH IDA EISEN Cherry Hill, NJ
B.A., Temple University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

KAREN SUE ELFMAN Ardmore, PA
B.A., Tufts University
Internal Medicine — Preliminary — Hospital of the
University of Pennsylvania, Philadelphia, PA

JENNIFER LYNN ELLIS New York, NY
B.A., Yale University
General Surgery — Lincoln Medical and Mental Health
Center, New York, NY

LESLIE ELIZABETH EVERTS Cinnaminson, NJ
B.A., Haverford College
Family Practice — St. Margaret's Memorial Hospital,
Pittsburgh, PA

WILLIAM DANA FALES Conneaut Lake, PA
B.S., Indiana University of Pennsylvania
Emergency Medicine — Geisinger Medical Center,
Danville, PA

MARK ROBERT FANTASKI North Braddock, PA
B.S., Westminster College
Internal Medicine — Allegheny General Hospital,
Pittsburgh, PA

TIMOTHY JUDE FARRELL Clarks Green, PA
B.S., University of Scranton
Surgery — Preliminary — Thomas Jefferson University
Hospital, Philadelphia, PA

CATHERINE MARIE FLORIO Runnemede, NJ
B.A., Rutgers — The State University
Family Practice — Medical University of South Carolina,
Charleston, SC

MARY JENNIFER BOLAND FRATTALI Philadelphia, PA
B.S., University of Scranton
Internal Medicine — Preliminary — Hahnemann
University Hospital, Philadelphia, PA
Ophthalmology — Hahnemann University Hospital,
Philadelphia, PA

NOAH DAVID FREDMAN Philadelphia, PA
B.A., University of Pennsylvania
Psychiatry — Thomas Jefferson University Hospital,
Philadelphia, PA

PETER DONALD FURNESS III Wilmington, DE
B.S., University of Delaware
Urology — Milton S. Hershey Medical Center,
Hershey, PA

HOWARD GABOR Framingham, MA
B.S., University of Massachusetts
Emergency Medicine — University of Massachusetts
Coordinated Program, Worcester, MA

TERENCE JAMES GALLAGHER Camp Hill, PA
B.S., The Pennsylvania State University
General Surgery — Georgetown University Hospital,
Washington, DC

MARY ELIZABETH GALLIVAN Santa Ana, CA
B.A., University of California — Berkeley
Internal Medicine — Preliminary — Cedars-Sinai Medical
Center, Los Angeles, CA
Ophthalmology — Wills Eye Hospital, Philadelphia, PA

CATHERINE M. GANNON Philadelphia, PA
cum laude
B.A., La Salle University
Pediatrics — Thomas Jefferson University Hospital,
Philadelphia, PA

HENRY FERNANDO GARAZO-LORENTE Hyattsville, MD
B.S., Mount Saint Mary's College
General Surgery — State University of New York Health
Science Center — Syracuse, NY

THOMAS JOSEPH GAVIN Springfield, PA
B.S., Ursinus College
Emergency Medicine — Ohio State University Hospital,
Columbus, OH

BRUCE LAWRENCE GILLIAM Rancho Palos Verdes, CA
A.B., Occidental College
M.S., University of Arizona
Internal Medicine — University of California — Davis
Medical Center, Sacramento, CA

KAREN RUTH GINN Springfield, PA
B.S., Ursinus College
Family Practice — Geisinger Medical Center,
Danville, PA

SUSAN BETH GINSBERG Lafayette Hill, PA
B.A., The Johns Hopkins University
Internal Medicine — North Shore University Hospital,
Manhasset, NY

DAVID VAUGHN GLORIOSO Pittsburgh, PA
B.S., Washington and Jefferson College
Internal Medicine — Allegheny General Hospital,
Pittsburgh, PA

KEITH ADAM GLOWACKI Valley Forge, PA
B.S.E., University of Pennsylvania
Orthopaedic Surgery — Rhode Island Hospital,
Providence, RI

NITI GOEL Schenectady, NY
summa cum laude
AOA
B.S., The Pennsylvania State University
Internal Medicine — Duke University Medical Center,
Durham, NC

MIRA MANHAR GOHEL Davis, CA
B.S., University of California — Davis
Family Practice — Thomas Jefferson University Hospital,
Philadelphia, PA

ANGELO GRILLO Newark, DE
B.M.E., University of Delaware
Emergency Medicine — Medical Center of Delaware,
Newark, DE

LENORE M. TIETJENS GRILLO Chalfont, PA
B.S., The Pennsylvania State University
M.S., The University of Virginia
Obstetrics/Gynecology — Medical Center of Delaware,
Newark, DE

ROBERT E. GUILDAY Wallingford, PA
B.S., University of Notre Dame
General Surgery — The Lankenau Hospital,
Philadelphia, PA

STEVEN KENNETH HERRINE Merion, PA
magna cum laude
AOA
B.A., Oberlin College
Internal Medicine — Hospital of the University of
Pennsylvania, Philadelphia, PA

DAVID FAHNESTOCK HOFFMAN Mohnton, PA
B.S., Bucknell University
Obstetrics/Gynecology — Medical Center of Delaware,
Newark, DE

JEFFREY MARC HOFFMAN Hollywood, FL
cum laude
B.S., The Pennsylvania State University
Pediatrics — All Children's Hospital, University of South
Florida College of Medicine, St. Petersburg, FL

REBECCA MANNING HOGUE Fresno, CA
B.A., United States International University
Obstetrics/Gynecology — Abington Memorial Hospital,
Abington, PA

DAVID ADDIS HORVATH Whitehall, PA
B.S., Muhlenberg College
General Surgery — Geisinger Medical Center,
Danville, PA

ANGELA GRACE HOUSER Lehighton, PA
B.S., Ursinus College
Transitional — Reading Hospital and Medical Center,
Reading, PA

RICHARD HAYES HUNN Lansdale, PA
AOA
B.S., Muhlenberg College
Internal Medicine — University Health Center,
Pittsburgh, PA

CHRISTOPHER FELL HUNTINGTON Wilmington, DE
B.A., University of Pennsylvania
Surgery — Preliminary — The Lankenau Hospital,
Philadelphia, PA

GALICANO FERNANDO INGUITO, JR. Newark, DE
B.A., University of Delaware
Obstetrics/Gynecology — Tripler Army Medical Center,
Honolulu, HI

NICHOLAS ANTHONY INVERSO Philadelphia, PA
B.S., Philadelphia College of Pharmacy and Science
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

MICHAEL DAVID IOFFREDA Highland Park, NJ
B.S., Haverford College
Internal Medicine — Preliminary — Hahnemann
University Hospital, Philadelphia, PA

CAROL JEAN JAMES Newark, DE
cum laude
AOA
B.A., University of Delaware
Internal Medicine — Preliminary — Medical Center of
Delaware, Newark, DE
Ophthalmology — Wills Eye Hospital, Philadelphia, PA

MAURY ALAN JAYSON Springfield, NJ
AOA
B.S., Tufts University
Surgery — Preliminary — Yale-New Haven Hospital,
New Haven, CT
Urology — Yale-New Haven Hospital, New Haven, CT

MARGARET MARY JOHNSON Wilmington, DE
B.A., Immaculata College
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

ERNEST PRICE JONES, JR. Turtle Creek, PA
B.S., Brown University
Surgery — Preliminary — Eastern Virginia Graduate
School of Medicine, Norfolk, VA
Neurological Surgery — Eastern Virginia Graduate
School of Medicine, Norfolk, VA

LISA DAWN JOSEPHSON Encino, CA
AOA
B.S., Tufts University
Emergency Medicine — University of California-Irvine
Medical Center, Orange, CA

VEDA LOUISE JOVANOVIĆ Monroeville, PA
B.S., The Pennsylvania State University
Transitional — Mercy Hospital, Pittsburgh, PA
Ophthalmology — State University of New York at
Buffalo Medical-Dental Education Consortium,
Buffalo, NY

VIKRAM SHANTARAM KASHYAP Downers Grove, IL
AOA
B.S., The Pennsylvania State University
General Surgery — Massachusetts General Hospital,
Boston, MA

MICHAEL GEORGE KATLAN Baldwin, NY
B.A., University of Pennsylvania
Internal Medicine — Huntingdon Memorial Hospital,
Pasadena, CA

JAMES JOHN KEARNEY Drexel Hill, PA
cum laude
AOA
B.S., Saint Joseph's University
Surgery — Preliminary — Thomas Jefferson University
Hospital, Philadelphia, PA
Otolaryngology — Thomas Jefferson University Hospital,
Philadelphia, PA

ELLEN CATHERINE KEELEY Brigantine, NJ
B.S., Saint Joseph's University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

MELANIE SHARON KELTON New York, NY
B.A., University of Pennsylvania
Internal Medicine — The New York Hospital,
New York, NY

SUSAN LUCILLE KENNEDY Convent Station, NJ
B.S., Georgetown University
Transitional — Mercy Catholic Medical Center,
Darby, PA
Radiology-Diagnostic — University Health Center,
Pittsburgh, PA

SANGHOON KIM Bryn Mawr, PA
B.S., The Pennsylvania State University
Internal Medicine — Preliminary — Geisinger Medical
Center, Danville, PA
Physical Medicine and Rehabilitation — Thomas Jefferson
University Hospital, Philadelphia, PA

MICHAEL A. KLINE Dalton, PA
B.S., University of Scranton
Internal Medicine — Preliminary — Scranton-Temple
Residency Program, Scranton, PA
Anesthesiology — Thomas Jefferson University Hospital,
Philadelphia, PA

RENÉE KATHRIN KOTTENHAHN Wilmington, DE
B.A., University of Delaware
Pediatrics — Children's Hospital Medical Center,
Cincinnati, OH

JOHN MATTHEW KOZAK Everett, MA
A.B., Harvard College
Internal Medicine — Preliminary — Carney Hospital,
Boston, MA
Physical Medicine and Rehabilitation — New England
Medical Center Hospital, Boston, MA

SHERRI LYNN KRAMER Fombell, PA
magna cum laude
B.S., Geneva College
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

MATTHEW ERIC KRUPNICK Huntingdon Valley, PA
B.A., University of Pennsylvania
Internal Medicine — New York University Medical
Center, New York, NY

CINDY PEILUN KUO Philadelphia, PA
B.A., Brown University
Family Practice — Chestnut Hill Hospital,
Philadelphia, PA

DOUGLAS FRANK KUPAS New Kensington, PA
AOA
B.S., Indiana University of Pennsylvania
Emergency Medicine — Geisinger Medical Center,
Danville, PA

ROBERT JOHN LAMBERTS Penfield, NY
B.S., Houghton College
Medicine — Pediatrics — Indiana University Medical
Center, Indianapolis, IN

BARBARA MARY LEIGHTON Broomall, PA
B.S., Saint Joseph's University
Internal Medicine — Thomas Jefferson University
Hospital, Philadelphia, PA

MICHAEL EDWARD LEKAWA Anaheim, CA
B.S., University of California — Riverside
General Surgery — Cedars-Sinai Medical Center, Los
Angeles, CA

DANIEL JAMES LEONARD III Nanty Glo, PA
B.S., Indiana University of Pennsylvania
Internal Medicine — Conemaugh Valley Memorial
Hospital, Johnstown, PA

MARC JASON LEVINE West Orange, NJ
B.A., Lehigh University
Surgery — Preliminary — Pennsylvania Hospital,
Philadelphia, PA
Orthopaedic Surgery — Thomas Jefferson University
Hospital, Philadelphia, PA

ROSINA P. LIN Hermitage, PA
B.S., The Pennsylvania State University
Internal Medicine — Preliminary — Thomas Jefferson
University Hospital, Philadelphia, PA

DONALD CHUA LIU Timonium, MD
magna cum laude
AOA
B.A., The Johns Hopkins University
General Surgery — Hospital of the University of
Pennsylvania, Philadelphia, PA

ALAN YUNG-TSU LO Bethlehem, PA
B.A., University of Pennsylvania
Internal Medicine — University of California — Irvine
Medical Center, Orange, CA

EDWARD JOSEPH MACKLE Willow Grove, PA
B.A., University of Pennsylvania
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA
Anesthesiology — Temple University Hospital,
Philadelphia, PA

GORDON CHARLES MANIN Wyndmoor, PA
B.A., Boston University
Family Practice — University of Medicine and Dentistry
of New Jersey — Robert Wood Johnson Medical
School, Piscataway, NJ

DANIEL PAUL MARKMANN Huntingdon Valley, PA
B.A., La Salle University
M.S., Drexel University
General Surgery — The Union Memorial Hospital,
Baltimore, MD

JAMES VINCENT MARTINO Scranton, PA
B.S., University of Scranton
Internal Medicine — Preliminary — Scranton-Temple
Residency Program, Scranton, PA

JOHN FRANCIS McDYER Cherry Hill, NJ
B.S., Saint Joseph's University
Internal Medicine — Barnes Hospital, St. Louis, MO

THERESA A. MEADE Pittston, PA
B.S., University of Scranton
Physical Medicine and Rehabilitation — Ohio State
University Hospitals, Columbus, OH

MONICA ANN MEYER King of Prussia, PA
A.B., Vassar College
Family Practice — Memorial Hospital, Pawtucket, RI

MICHAEL KENNETH MILLER Selinsgrove, PA
B.A., The Pennsylvania State University
Internal Medicine — Allegheny General Hospital,
Pittsburgh, PA

EDMUND MANSFIELD MITCHELL Newark, DE
B.S.N., University of Delaware
Family Practice — Medical Center of Delaware,
Newark, DE

JOHN JOSEPH MONROE, JR. Philadelphia, PA
B.A., Duquesne University
B.S., University of Massachusetts at Boston
Family Practice — Abington Memorial Hospital,
Abington, PA

GAETANO P. MONTELEONE, JR. Yardley, PA
B.S., Saint Francis College
Family Practice — Harrisburg Hospital, Harrisburg, PA

CATHERINE JOAN PIECYK MONTGOMERY Blue Bell, PA
B.S., The Pennsylvania State University
Family Practice — West Jersey Health System,
Voorhees, NJ

DANIEL PAUL MOORE Wilmington, DE
B.S., M.S., University of Delaware
Physical Medicine and Rehabilitation — University of
Virginia Hospitals, Charlottesville, VA

WILLIAM BRIAN MORRISON Moorestown, NJ
cum laude
AOA
B.A., Rutgers — The State University
Internal Medicine — Preliminary — Pennsylvania
Hospital, Philadelphia, PA
Radiology-Diagnostic — Thomas Jefferson University
Hospital, Philadelphia, PA

BRADLEY GIBSON NICHOLS Williamsport, PA
B.A., Bucknell University
Internal Medicine — Preliminary — The Bryn Mawr
Hospital, Bryn Mawr, PA

WILLARD STOVER NOYES Kutztown, PA
AOA
B.S., Dickinson College
Surgery — Preliminary — Mayo Graduate School of
Medicine, Rochester, MN
Otolaryngology — Mayo Graduate School of Medicine,
Rochester, MN

TIMOTHY JAMES O'BRIEN Bradford, PA
AOA
B.S., University of Pittsburgh
Transitional — Mercy Catholic Medical Center,
Darby, PA
Ophthalmology — Wills Eye Hospital, Philadelphia, PA

ROBERT CARLOS O'REILLY Devon, PA
cum laude
AOA
B.S., Georgetown University
Surgery — Preliminary — Mercy Catholic Medical Center,
Darby, PA
Otolaryngology — Thomas Jefferson University Hospital,
Philadelphia, PA

TERENCE LEONARD O'ROURKE Danville, PA
B.S., Moravian College
Family Practice — Malcolm Grow United States Air Force
Medical Center, Washington, DC

JOHN ANDREW OSBORNE Reading, PA
magna cum laude
AOA
B.S., The Pennsylvania State University
Internal Medicine — Brigham and Women's Hospital,
Boston, MA

DAVID EDWARD OST Warminster, PA
B.S., The Pennsylvania State University
Internal Medicine — McGaw Medical Center-
Northwestern University, Chicago, IL

DANIEL SCOTT PACIFICO Verona, NJ
B.S., University of Notre Dame
Internal Medicine — Georgetown University Hospital,
Washington, DC

JOHN PETER PARENTE, JR. Springfield, PA
B.S., Saint Joseph's University
Family Practice — Geisinger Medical Center,
Danville, PA

GRACE EUNHYE PARK Greenville, PA
B.S., University of Pennsylvania
Transitional — Presbyterian Medical Center,
Philadelphia, PA

PAMELA DOROTHEA PARKER Cleveland, OH
AOA
B.A., Case Western Reserve University
B.S., California State University — Los Angeles
M.S., University of Utah
Family Practice — Swedish Hospital Medical Center,
Seattle, WA

RONALD ALAN PECK Margate, NJ
cum laude
B.S., Georgetown University
Internal Medicine — Georgetown University Hospital,
Washington, DC

DANIEL P. PELLEGRINI Pittsburgh, PA
B.S., University of Michigan
General Surgery — Medical College of Ohio, Toledo, OH

CLAIRE BERTHA PERLMAN Carlisle, PA
B.S., William Smith College
Pathology — University of Massachusetts Coordinated
Program, Worcester, MA

LAWRENCE CRAIG REARDON Pittsburgh, PA
B.S., The Pennsylvania State University
Internal Medicine — University Health Center,
Pittsburgh, PA

ALICE REICH Belmont, MA
A.B., Harvard University
Pediatrics — Boston City Hospital, Boston, MA

JOHN EDWARD ROONEY New Milford, NJ
A.B., College of the Holy Cross
Internal Medicine — Barnes Hospital, St. Louis, MO

KAREN ANN ROPERTI Lower Burrell, PA
AOA
B.S., University of Pittsburgh
Obstetrics/Gynecology — University Health Center,
Pittsburgh, PA

JAMES DOUGLAS RORABAUGH Boalsburg, PA
B.S., United States Air Force Academy
General Surgery — Wilford Hall United States Air Force
Medical Center, San Antonio, TX

ERNEST LANCELOT ROSATO Gladwyne, PA
B.A., University of Pennsylvania
General Surgery — Thomas Jefferson University
Hospital, Philadelphia, PA

BRET ABRAHAM ROSENBLUM Malvern, PA
B.S., Franklin and Marshall College
Family Practice — Latrobe Area Hospital, Latrobe, PA

HELEN L. ROSS Selinsgrove, PA
A.B., Susquehanna University
M.S., The Pennsylvania State University
Obstetrics/Gynecology — Geisinger Medical Center,
Danville, PA

ERIC STEPHEN RUTSTEIN New York, NY
A.B., Brandeis University
Internal Medicine — Preliminary — Beth Israel Medical
Center, New York, NY

ROBERT ALAN SABO Lakewood, NJ
B.S., Massachusetts Institute of Technology
Surgery — Preliminary — Albert Einstein Medical
Center, Philadelphia, PA
Neurological Surgery — University of Illinois College of
Medicine, Peoria, IL

JENNIFER LANE SABOL Danville, PA
B.A., Franklin and Marshall College
General Surgery — Baystate Medical Center,
Springfield, MA

MARK JOSEPH SANGIMINO Rockville, MD
B.A., Bucknell University
Orthopaedic Surgery — Akron City Hospital, Akron, OH

URSULA RIPEPI SANGIMINO Bethel Park, PA
cum laude
AOA
B.A., University of Pennsylvania
M.A., University of Pittsburgh
Internal Medicine — Preliminary — Akron City Hospital,
Akron, OH
Radiology-Diagnostic — Cleveland Clinic Foundation,
Cleveland, OH

GREGORY DAVID SCHAPIRO Weston, MA
cum laude
B.S., Duke University
Internal Medicine — New England Deaconess Hospital,
Boston, MA

SCOTT JAMES SCHOEDLER Wilmington, DE
B.A., Lafayette College
Radiology-Diagnostic — Medical Center of Delaware,
Newark, DE

BRIAN LEWIS SCHWAM Lafayette Hill, PA
B.S., The Pennsylvania State University
Internal Medicine-Preliminary — The Lankenau Hospital,
Philadelphia, PA
Ophthalmology — Cleveland Clinic Foundation,
Cleveland, OH

ROBERT SCHWARTZSTEIN Rydal, PA
B.F.A., Rochester Institute of Technology
Internal Medicine — Preliminary — Hahnemann
University Hospital, Philadelphia, PA

RODNEY MILAN SEPICH Cabot, PA
magna cum laude
AOA
B.S., The Pennsylvania State University
Internal Medicine — University of Virginia Hospitals,
Charlottesville, VA

MARK PATRICK SERALY Flanders, NJ
AOA
B.A., Washington and Jefferson College
Internal Medicine — Preliminary — Thomas Jefferson
University Hospital, Philadelphia, PA

RANDY SHAFRITZ Philadelphia, PA
B.A., The Pennsylvania State University
M.A.H.P., Hahnemann University
Surgery — Preliminary — Albert Einstein Medical
Center, Philadelphia, PA

LINDA BETH SIEGEL New York, NY
B.A., University of Pennsylvania
Pediatrics — Georgetown University Hospital,
Washington, DC

SCOTT WAYNE SILODOR Wayne, NJ
B.A., The Johns Hopkins University
Transitional — Mercy Catholic Medical Center,
Darby, PA
Ophthalmology — New York Medical College,
New York, NY

AMITABH SINGH Bethel Park, PA
cum laude
B.S., The Pennsylvania State University
Internal Medicine — Allegheny General Hospital,
Pittsburgh, PA

LESLIE ANN SKLAR Newark, DE
B.S., Georgetown University
Pediatrics — New England Medical Center Hospital,
Boston, MA

SUSAN FAITH SLOVIN Philadelphia, PA
B.A., Barnard College
M.A., Ph.D., Columbia University
Internal Medicine — The Mount Sinai Hospital,
New York, NY

SCOTT DOUGLAS SMITH Absecon, NJ
B.S., Ursinus College
Family Practice — York Hospital, York, PA

STACI JILL SMITH Rydal, PA
AOA
B.S., Ursinus College
Internal Medicine — Preliminary — The Lankenau
Hospital, Philadelphia, PA

TOBY KLEINER SOBLE Cherry Hill, NJ
B.S., Syracuse University
M.A., M.Ed., Columbia University
Family Practice — West Jersey Health System,
Voorhees, NJ

JENNIFER ANNE SPALDING Yardley, PA
AOA
B.S., The Pennsylvania State University
Transitional — Presbyterian Medical Center,
Philadelphia, PA
Anesthesiology — The Johns Hopkins Hospital,
Baltimore, MD

MARSHALL WILLIAM STAFFORD Kennett Square, PA
magna cum laude
AOA
B.S., The Pennsylvania State University
Transitional — Medical Center of Delaware, Newark, DE
Ophthalmology — University Health Center,
Pittsburgh, PA

TED MICHAEL STAMPIEN Clarks Summit, PA
B.S., University of Scranton
Internal Medicine — Preliminary — Thomas Jefferson
University Hospital, Philadelphia, PA

AMBER LYNNE BECKY STEINBERG Passaic, NJ
B.S., The Pennsylvania State University
Anesthesiology — The New York Hospital,
New York, NY

SARA ANGE STERLING Millerton, PA
B.S., Indiana University of Pennsylvania
Family Practice — West Jersey Health System,
Voorhees, NJ

ALAN JAY STEVENSON Media, PA
B.S., Columbia Union College
Pathology — Thomas Jefferson University Hospital,
Philadelphia, PA

GEOFFREY STEWART Claymont, DE
AOA
B.S., B.A., University of Delaware
Surgery — Preliminary — Pennsylvania Hospital,
Philadelphia, PA
Orthopaedic Surgery — New England Medical Center
Hospital, Boston, MA

GREGG PAUL SUMMERVILLE New Kensington, PA
 B.A., Saint Vincent College
 Internal Medicine — Preliminary — Beth Israel Medical
 Center, New York, NY

MOHAN SUNTHARALINGAM Cherry Hill, NJ
 B.A., Brown University
 Internal Medicine — Preliminary — The Bryn Mawr
 Hospital, Bryn Mawr, PA
 Radiation Oncology — University of Maryland Medical
 System, Baltimore, MD

CAROLE ELLEN THOMAS Philadelphia, PA
 B.S., Muhlenberg College
 Internal Medicine — Preliminary — The Lankenau
 Hospital, Philadelphia, PA
 Neurology — Thomas Jefferson University Hospital,
 Philadelphia, PA

PATRICIA ANN TORNA Clifton Heights, PA
 B.S., University of Pennsylvania

ARTHUR MARK TREIMAN Huntingdon Valley, PA
 B.S., The Pennsylvania State University
 Family Practice — Hunterdon Medical Center,
 Flemington, NJ

EDWARD ASHLEY TROTT Warwick, Bermuda
 B.S., University of California — Riverside
 Obstetrics/Gynecology — Hahnemann University
 Hospital, Philadelphia, PA

K. EDMUND TSE Hong Kong
 B.S., University of California— Los Angeles
 Internal Medicine — University of Medicine and Dentistry
 of New Jersey — Robert Wood Johnson Medical
 School, Piscataway, NJ

ARVINDER SINGH UPPAL Seattle, WA
 B.S., The Pennsylvania State University
 Surgery — Preliminary — Duke University Medical
 Center, Durham, NC
 Otolaryngology — Duke University Medical Center,
 Durham, NC

SANDER VAN CLEEFF Charlottesville, VA
 B.A., University of Virginia
 Internal Medicine — George Washington University
 Hospital, Washington, DC

KATHLEEN THERESE WAGNER Philadelphia, PA
cum laude
 AOA
 B.A., The Catholic University of America
 M.S., Georgetown University
 Family Practice — Thomas Jefferson University Hospital,
 Philadelphia, PA

MARIA JEANETTE WATSON Tacoma, WA
 B.S., Gonzaga University
 Internal Medicine — Albert Einstein Medical Center,
 Philadelphia, PA

GAYLE JOELENE WEAVER Bethlehem, PA
 B.A., Middlebury College
 Internal Medicine — The Graduate Hospital,
 Philadelphia, PA

DANA WHITHAM WHELOCK Fredonia, NY
 B.A., Denison University
 General Surgery — Mercy Catholic Medical Center,
 Darby, PA

JOHN WILLIAM WHELAN Wynnewood, PA
 B.S., Lehigh University
 Internal Medicine — University of New Mexico School of
 Medicine, Albuquerque, NM

DEBORAH ANNE WHITEHEAD San Marino, CA
 B.A., Bucknell University
 Obstetrics/Gynecology — University of Nevada Affiliated
 Hospitals, Las Vegas, NV

CHARLES CANDEE WHITNEY III Newark, DE
 B.S., West Chester University
 Family Practice — David Grant United States Air Force
 Medical Center, Fairfield, CA

JOHN DAVID WILSON Elkton, MD
 A.B., Susquehanna University
 M.S.E., University of Pennsylvania

ENGLOR YAP Singapore
 B.S., The Pennsylvania State University
 Internal Medicine — Preliminary — Medical Center of
 Delaware, Newark, DE

EMILY L. YEE Beaver Falls, PA
 B.S., The Pennsylvania State University
 Internal Medicine — University Health Center,
 Pittsburgh, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

MARCELA JENSEN (Pathology and Cell Biology) West Chester, PA
 B.S., M.S., Commenius University
 Thesis Title: "Purification of Teratogenic Stimulating Antigens from the Rat Visceral Yolk Sac by
 Isoelectric Focusing."
 Thesis Advisor: Robert L. Brent, M.D., Ph.D.

VINOD K. KHETARPAL (Environmental Medicine and Toxicology) Maple Glen, PA
 B.Sc., Guru Nanak University
 M.Sc., Postgraduate Institute of Medical Education and Research (Chandigarh, India)
 Ph.D., Boston University
 Thesis Title: "Transport of Doxorubicin in Calcium-Resistant Cardiac Myocytes Isolated from the
 Adult Rat Heart."
 Thesis Advisor: James J. Kocsis, Ph.D.

YU MEI WANG (Biochemistry & Molecular Biology) Media, PA
 M.D., Taipei Medical College
 Thesis Title: "The Exon Structure of the Triple Helical Coding Region of the Human Alpha 1 (VI)
 Collagen Gene."
 Thesis Advisor: Mon-Li Chu, Ph.D.

MIJIN ZHAO (Biochemistry & Molecular Biology) Beijing, China
 B.S., M.S., Beijing University
 Thesis Title: "Characterization of a Single-Base Mutation in the Pro 1 (III) Collagen Gene of One Proband
 with a Variant of Ehlers-Danlos Syndrome Type IV."
 Thesis Advisor: Darwin J. Prockop, M.D., Ph.D.

CANDIDATE FOR THE DEGREE OF MASTER OF SCIENCE IN CLINICAL MICROBIOLOGY

ELAINE GRACE STARR Lansdale, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN NURSING

MARY ELIZABETH BOBBIE Philadelphia, PA
 ROSEMARY FABISZEWSKI Cherry Hill, NJ
 FRANCES MARY HERMAN Ewing, NJ
 JUDITH A. HINES Wilmington, DE
 MELISSA ANN KRAUSS Wilmington, DE
 DIANE J. LAVALLÉE Ottawa, Canada
 WENDI RIESDORPH OSTROW Elkins Park, PA
 DONNA KOLB SMITH Bensalem, PA
 ANN MARIE SZOKE-HALAL Walnutport, PA

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN OCCUPATIONAL THERAPY

ANNETTE LYNN DAVIS Phoenixville, PA
 MARGARET MARY DORANDO-UNKLE Runnemede, NJ
 TRACEY VAUSE EARLAND Philadelphia, 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 7, 1990

FACULTY AWARDS

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

BASIC SCIENCES: RICHARD RALPH SCHMIDT, B.A., Ph.D., Associate Professor of Anatomy
CLINICAL SCIENCES: ERIC LYNN HUME, B.A., M.D., Assistant Professor of Orthopaedic Surgery

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

ROBERT L. BRENT, A.B., M.D., Ph.D., The Louis and Bess Stein Professor of Pediatrics and Chairman of the Department, Director of Division of Developmental Biology and Teratology, Professor of Radiology (Radiation Biology), Director of Division of Radiation Biology, and Professor of Anatomy

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

LAURENCE H. BECK, B.A., M.D., Professor of Medicine, Geisinger Medical Center

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

JOHN R. GRIFFITH, B.S., M.D., Clinical Assistant 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.

ERNEST LANCELOT ROSATO, (honorable mention: DONALD CHUA LIU)

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

MARC JASON LEVINE, (honorable mention: WEN CHAO)

The Edward J. Moore Memorial Prize in Pediatrics.

CATHERINE M. GANNON, (honorable mention: ELLEN MICHELE ARCH)

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.

DANIEL BARAM, (honorable mention: NITI GOEL)

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

ROBERT CARLOS O'REILLY, (honorable mention: JAMES JOHN KEARNEY)

The Carroll R. Mullen Memorial Prize in Ophthalmology.

JEFFREY MARC HOFFMAN, (honorable mention: MARY JENNIFER BOLAND FRATTALI)

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.

REBECCA MANNING HOGUE, (honorable mention: JEFFREY MARC HOFFMAN)

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.

ANDREA ROSE BATES, (honorable mention: BRUCE LAWRENCE GILLIAM)

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

DONALD CHUA LIU, (honorable mention: JOHN ANDREW OSBORNE)

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

NITI GOEL, (honorable mention: RODNEY MILAN SEPICH)

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

SCOTT CHRISTOPHER COLE, (honorable mention: MARK DAVID BRENNAN, Jr.)

The Philip J. Hodes Prize in Radiology.

WILLIAM BRIAN MORRISON, (honorable mention: AMITABH SINGH)

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.

CHRISTINE ANN ARENSON, (honorable mention: KATHLEEN THERESE WAGNER)

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.
NITI GOEL, (honorable mention: DONALD CHUA LIU)

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

MIRA MANHAR GOHEL, (honorable mention: ROSEMARY ANN DUFFY)

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

CAROLE ELLEN THOMAS

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.

JEFFREY MARC HOFFMAN, (honorable mention: ALICE REICH)

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.

URSULA RIPEPI SANGIMINO, (honorable mention: SUSAN LUCILLE KENNEDY)

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.

LAWRENCE CRAIG REARDON, (honorable mention: THOMAS PATRICK CURRAN)

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.

PETER DONALD FURNESS III (honorable mention: MAURY ALAN JAYSON)

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 Honor 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.

MARSHALL WILLIAM STAFFORD, (honorable mention: ROSEMARY ANN DUFFY)

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.

GRACE EUNHYE PARK, (honorable mention: STEPHANIE LEE DeMARA)

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.

DANIEL SCOTT PACIFICO, (honorable mention: STEVEN KENNETH HERRINE)

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

NITI GOEL, (honorable mention: GREGORY DAVID SCHAPIRO)

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

ELLEN CATHERINE KEELEY, (honorable mention: STEVEN KENNETH HERRINE)

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.

VIKRAM SHANTARAM KASHYAP and KATHLEEN THERESE WAGNER,
(honorable mention: NEVILLE DAVIS)

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.

LESLIE SETON CARROLL, (honorable mention: DOUGLAS FRANK KUPAS)

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.

JOHN EDWARD ROONEY

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.

MARIA ALAIMO, (honorable mention: NEVILLE DAVIS and PAMELA DOROTHEA PARKER)

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	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 Burt 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-Philadelphiae" 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.

