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1984 Commencement for Jefferson Medical College and College of Graduate Studies

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160TH
COMMENCEMENT



*Jefferson Medical College
College of Graduate Studies
of
Thomas Jefferson University
Philadelphia, Pennsylvania
1824-1984*

*Friday, June Eighth
Nineteen Hundred and Eighty-Four
Half Past Two 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.

PROCESSIONALTrumpet VoluntaryJOHN STANLEY
The Jefferson ProcessionalBURLE MARX

THE NATIONAL ANTHEM

INVOCATIONTHE REVEREND KENNETH BEALE
Jarrettown United Methodist Church

CONVOCATION

Opening RemarksLEWIS W. BLUEMLE, JR., *President*
Thomas Jefferson University

CONFERRING OF DEGREES IN COURSEPRESIDENT BLUEMLE

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

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

The Oath of HippocratesWILLIS C. MADDREY, *The Magee Professor of*
Medicine and Chairman of the Department
Jefferson Medical College

Master of Science
Presented byDEAN SAUKKONEN

CONFERRING OF HONORARY DEGREESPRESIDENT BLUEMLE

SIDNEY WEINHOUSE, *Doctor of Science*
Presented by: GEORGE F. KALF, *Professor of Biochemistry*
Jefferson Medical College

FRANCIS C. WOOD, *Doctor of Humane Letters*
Presented by: PAUL C. BRUCKER, *Alumni Professor of Family Medicine and*
Chairman of the Department
Jefferson Medical College

JOHN A. D. COOPER, *Doctor of Humane Letters*
Presented by: FREDERIC L. BALLARD, *ESQUIRE*
Chairman, Board of Trustees
Thomas Jefferson University

ADDRESSJOHN A. D. COOPER

BENEDICTIONREVEREND BEALE

RECESSIONALPomp and CircumstanceElgar

W. ERNEST WELLS, *Organist*

Grand Marshal
ROBERT J. MANDLE

Faculty Marshals

LORETTA P. FINNEGAN BRUCE E. JARRELL ARTHUR R. OWENS JAMES H. ROBINSON RICHARD R. SCHMIDT

Student Marshals

ROBERT A. BALL
Jefferson Medical College

SANDRA PERKOWSKI
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

- MINDY ELLEN GEORGE (Anatomy) Philadelphia, PA
 Thesis Title: "Phospholipase Activities in Mouse Embryo Palate Mesenchyme Cells."
- PATRICIA ROBISON GOLDMAN (Pharmacology) Washington Crossing, PA
 Thesis Title: "Environmental and Genetic Influences on 7, 12-Dimethylbenz (a) Anthracene-Induced Mammary Adenocarcinoma in Female Rats."
- MARK STEVEN GRAY (Pathology) Rosemont, PA
 Thesis Title: "Characterization of a Submitochondrial System of DNA Replication."
- ANDREW M. HAVILL (Physiology) Wilton, CT
 Thesis Title: "Edema Fluid Compartments in the Lung."
- MARK THOMAS LAROCO (Microbiology) Apalachin, NY
 Thesis Title: "Interactions of *Aspergillus fumigatus* Conidiospores with Host Factors Produced in Subcutaneous Chambers Implanted in Rabbits."
- JONNI SANDRIDGE MOORE (Microbiology) Moorestown, NJ
 Thesis Title: "Loss of Suppression of the Specific Anti-Mouse Erythrocyte Response in Autoimmune NZB Mice Measured by the Antibody Forming Cell Focus Assay."
- STEVEN ROBERT PER (Biochemistry) Maple Shade, NJ
 Thesis Title: "Purification of Antigen-Antibody Complexes from Selected Species by Staphyococcal Protein A."
- DAVID MICHAEL ROTH (Physiology) Kutztown, PA
 Thesis Title: "Coronary Vascular Alterations to Eicosanoids in Experimental Diabetes Mellitus."
- BEELEIN LIN TSAY (Biochemistry) Parsippany, NJ
 Thesis Title: "Regulation of Murine Response to the Known Sequence (Polymer Tyrosine-Glutamic Acid-Alanine-Glycine)."
- THOMAS MICHAEL VOLLBERG (Pathology) Philadelphia, PA
 Thesis Title: "Characterization of a HeLa Endonuclease Preparation which Stimulates DNA Repair in Nuclei from UV-Irradiated Human Cells."

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- JAMES EDGAR ALLEN Franklin, PA
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- VINCENT LOUIS ANGELONI Peckville, PA
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 The Williamsport Hospital, Williamsport, PA
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- SEAN PATRICK BOYLE Lake City, PA
 B.S., St. Bonaventure University
 St. Vincent's Health Center, Erie, PA
- ROBERTO EDWARD BRIGGS Takoma Park, MD
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 Eastern Virginia Graduate Medical School,
 Portsmouth, VA
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RAY R. SAHELIANBroomall, PA
B.S., Drexel University
Montgomery Hospital, Norristown, PA

JONATHAN CRAIG SAXEMount Union, PA
A.B., Dartmouth College
University Health Center of Pittsburgh, Pittsburgh, PA

ROBERT LYNN SCHMOUDERMontoursville, PA
AOA
B.A., Franklin and Marshall College
M.P.H., The University of Michigan
University of Michigan Hospitals, Ann Arbor, MI

MICHAEL IRA SCHOENPhiladelphia, PA
B.S., The Pennsylvania State University
George Washington University Hospital,
Washington, DC

ROBERT JAMES SCHUMANGreat Neck, NY
B.A., Adelphi University
New York Medical College Training Consortium,
Valhalla, NY

KARL GUSTAV SCHWABEVineland, NJ
B.A., University of Pennsylvania
M.S., Hahnemann Medical College
Thomas Jefferson University Hospital, Philadelphia, PA

STEVEN ROBERT SCHWARTZPhiladelphia, PA
cum laude
AOA
B.A., Temple University
The Bryn Mawr Hospital, Bryn Mawr, PA

RONALD JOHN SELLPittsburgh, PA
B.S., The Pennsylvania State University
St. Joseph's Hospital and Medical Center, Phoenix, AZ

MICHAEL SCOTT SELLERWilliamsville, NY
B.A., Trinity College
The Medical College of Pennsylvania, Philadelphia, PA

ALAN MARK SELTZERNewark, DE
B.A., University of Delaware
Sheppard and Enoch Pratt Hospital, Towson, MD

PAMELA SUE SHIREYKnox, PA
B.S., The Pennsylvania State University
Franklin Regional Medical Center, Franklin, PA

AYN DENA SIEGELBala-Cynwyd, PA
B.S., The Pennsylvania State University
Wilmington Medical Center, Wilmington, DE

DAVID DOUGLAS SIEGEREmmaus, PA
B.A., Franklin and Marshall College
Geisinger Medical Center, Danville, PA

JOEL STEVEN SILVERLos Angeles, CA
B.S., University of California—Los Angeles
University of Connecticut Health Center,
Farmington, CT

JAMES WALTER SLACKMillville, NJ
AOA
B.A., Western Maryland College
Wilmington Medical Center, Wilmington, DE

RANDALL EUGENE SLIMAKBrookville, PA
AOA
B.A., University of Pennsylvania
Thomas Jefferson University Hospital, Philadelphia, PA

DAVID ALAN SMITHJenkintown, PA
B.S., The Pennsylvania State University
York Hospital, York, PA

RUTH EDITH SMITHNew York, NY
B.A., Queens College of The City University of
New York
St. Vincent's Hospital, New York, NY

EDWARD R. SNIPESPhiladelphia, PA
B.A., Temple University
Thomas Jefferson University Hospital, Philadelphia, PA

LINCOLN MACKEY SNYDERLaguna Beach, CA
University of California—Berkeley
University of California—Irvine College of Medicine,
Irvine, CA

MICHAEL ANTHONY SOSTOKScranton, PA
B.S., University of Scranton
University of Cincinnati Hospital, Cincinnati, OH

JAMES EARL SPELLMAN, JR.Unionville, PA
B.S., West Chester State College
Stamford Hospital, Stamford, CT

LOUIS ERIC SPIKOLPhiladelphia, PA
B.S., Muhlenberg College
Sacred Heart Hospital, Allentown, PA

JOHN WESLEY SPURLOCKPhiladelphia, PA
summa cum laude
AOA
B.S., Drexel University
Walter Reed Army Medical Center, Washington, DC

CHARLES KEITH STEVENSGulf Breeze, FL
B.S., Emory University
Tulane University Affiliated Hospitals,
New Orleans, LA

MICHAEL JAMES STEWARTPittsburgh, PA
B.A., University of Pennsylvania
McGaw Medical Center of Northwestern University,
Chicago, IL

GUY MARC STOFMANPhiladelphia, PA
B.S., Villanova University
Thomas Jefferson University Hospital, Philadelphia, PA

MARY FLOYD STONERMoorestown, NJ
B.S., Old Dominion University
David Grant USAF Medical Center, Fairfield, CA

RICHARD SWOPE STONERLancaster, PA
AOA
B.S., The Pennsylvania State University
David Grant USAF Medical Center, Fairfield, CA

RANDLE HENRY STORMMedia, PA
B.S., The College of William and Mary in Virginia
North Carolina Baptist Hospital, Winston-Salem, NC

MARGARET MAGDALENE STROZNew Castle, DE
B.S., The Catholic University of America-School Arts
and Sciences
Chestnut Hill Hospital, Philadelphia, PA

JANET HELENE TABASElkins Park, PA
B.A., Temple University
Allegheny General Hospital, Pittsburgh, PA

CANDIDATE FOR THE DEGREE OF MASTER OF SCIENCE

JANELL BROUSSARD SIMPSON (Toxicology)Lansdale, PA
Thesis Title: "Evaluation of Immune Response in Mice Following Exposure to Trifluralin."

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

MARILYN ROMAGNOLE BELLLanghorne, PA
ROSANNE BOREASWaterbury, CT
MARY ELEANOR BRANDTSouthampton, PA

RICHARD WILLIAM TOBIN, JR.Seaford, DE
A.B., Dartmouth College
Naval Regional Medical Center, San Diego, CA

SUSAN JOAN TRUBILLABethlehem, PA
summa cum laude
AOA
B.S., Muhlenberg College
Children's Hospital, Boston, MA

RICHARD LAURENCE UHLWayne, NJ
B.S., Rensselaer Polytechnic Institute
New York University Medical Center, New York, NY

ROBERT DOYLE WALLACEHuntingdon, PA
B.S., Juniata College
Naval Regional Medical Center, San Diego, CA

JAMES PAUL WARGOVICHBoston, PA
A.B., West Virginia University
St. Elizabeth's Hospital, Brighton, MA

DAVID ROBERT WENZELArlington Heights, IL
B.S., The Pennsylvania State University
Rush-Presbyterian-St. Luke's Medical Center,
Chicago, IL

MARY BAXTER WHITEBrunswick, ME
B.S., The Pennsylvania State University
Carney Hospital, Boston, MA

BRIAN DAVID WILSONAmbler, PA
B.A., Lafayette College
The Bryn Mawr Hospital, Bryn Mawr, PA

ROBERT DOUGLAS WINTERBerwyn, PA
B.S., The Pennsylvania State University
Wilmington Medical Center, Wilmington, DE

LISA CAROL WOLFPhilipsburg, NJ
B.S., Bucknell University
Thomas Jefferson University Hospital, Philadelphia, PA

IRWIN HOWARD WOLFERTPlymouth Meeting, PA
B.S., Ursinus College
West Jersey Hospital, Voorhees, NJ

JAMES CHRISTOPHER XENOPHONHewlett, NY
B.S., The Pennsylvania State University
University of Connecticut Health Center,
Farmington, CT

KENNETH STEPHEN YONEMURAGardena, CA
B.S., University of Southern California-Los Angeles
University of California-Irvine College of Medicine,
Irvine, CA

MARIJO ANN ZELINKAAshley, PA
B.S., The Pennsylvania State University
West Virginia University Hospital, Morgantown, WV

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 7, 1984

FACULTY AWARDS

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

BASIC SCIENCES: JOYE FAITH JONES, B.Sc., Ph.D., Assistant Professor of Microbiology

CLINICAL SCIENCES: JOSEPH FRANCIS MAJDAN, B.A., M.D., Instructor in 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.

THOMAS LLOYD CARTER, Jr., (honorable mention: ANTHONY PAUL FURNARY)

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

CHARLES FRANKLIN LEINBERRY, Jr., (honorable mention: LOIS MARIE LEACH)

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

DANIEL JOSEPH COLE, (honorable mention: JAMES EDGAR ALLEN)

The Edward J. Moore Memorial Prize in Pediatrics.

JAMES ALBERT NARD, III, (honorable mention: WILLIAM McCLELLAND HOUSTON, Jr.)

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.

FRANCIS RAYMOND COLANGELO, (honorable mention: NEWTON EMERSON KENDIG, II)

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

ELISABETH ANN FOX, (honorable mention: CLAUDIA GERTRUDE BERMAN)

The Carroll R. Mullen Memorial Prize in Ophthalmology.

RAYMOND JOSEPH PETRILLO, (honorable mention: DANIEL ANTHONY BENESKI)

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

JOHN WESLEY SPURLOCK, (honorable mention: WILLIAM EUGENE COLLIER)

The Baldwin L. Keyes Prize in Psychiatry, given annually by Mr. Joseph H. Levit in memory of his wife, Mae K. Levit, in honor of Baldwin L. Keyes, M.D., Sc.D., Emeritus Professor of Psychiatry.

GERALD IRA HUROWITZ, (honorable mention: HENRY HUDSON LINDNER)

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

NEWTON EMERSON KENDIG, II, (honorable mention: DEIRDRE MURRAY COLLINS)

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

JOHN WESLEY SPURLOCK, (honorable mention: SUSAN JOAN TRUBILLA)

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

CYNTHIA ROGALSKI, (honorable mention: HOWARD SCOTT GOLD)

The Philip J. Hodes Prize in Radiology.

ALEXANDER JOSEPH MACONES, Jr., (honorable mention: CLAUDIA GERTRUDE BERMAN)

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

MICHAEL JOHN RUPP, (honorable mention: PAUL MARK EBERTS, II)

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.

FREDERICK JOSEPH COOK, (honorable mention: FRANCIS RAYMOND COLANGELO)

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

KYLE LANDIS FORSYTH, (honorable mention: VINCENT LOUIS ANGELONI)

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.

SUSAN JOAN TRUBILLA, (honorable mention: LORI ANNE LERNER)

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.

CARRIE ANN HUFNAL-MILLER, (honorable mention: DANIEL ANTHONY BENESKI)

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.

JAMES PATRICK DAUBERT, (honorable mention: EDWARD R. SNIPES)

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.

JAY SELIG DUKER, (honorable mention: BRUCE IAN BLATT,
MICHAEL ARTHUR CHRISTOPHER KANE, and CARL JOHN POSSANZA)

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 advisory of the Society for excellence in Internal Medicine and outstanding contributions to the Society.

DEIRDRE MURRAY COLLINS

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

DOUGLAS ROY KING, (honorable mention: RICHARD LAURENCE UHL)

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.

DANIEL ANTHONY BENESKI, (honorable mention: MICHELE RAE INVERSO-KIRKLAND)

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

RAYMOND JOSEPH PETRILLO, (honorable mention: VINCENT IGNATIUS MacANDREW, Jr.)

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

STEVE TI CHEN, (honorable mention: DEIRDRE MURRAY COLLINS)

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

NEWTON EMERSON KENDIG, II, (honorable mention: RANDALL EUGENE SLIMAK)

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

ANTHONY PAUL FURNARY, (honorable mention: JAY SELIG DUKER)

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

TERRY LYNN EDWARDS MARTHA ANNA HOSFORD-SKAPOF
SUSAN JOAN TRUBILLA

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

RUTH EDITH SMITH

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

HENRY HUDSON LINDNER JAMES MICHAEL MONIHAN
STEVEN ROBERT SCHWARTZ

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

MARY CATHERINE MARTINI

ALL MEMBERS OF THE GRADUATING CLASS WILL RECEIVE THE FOLLOWING AWARD:

The William F. Kellow Award established by the late Emeritus Dean. This award is a copy of *The Art of Medical Care and Caring*, a book of essays on the art of medical practice.

DOCTOR OF SCIENCE—SIDNEY WEINHOUSE

Sidney Weinhouse, an internationally known scholar and cancer researcher, Emeritus Professor of Biochemistry and former Director of the Fels Research Institute of Temple University School of Medicine, was born in Chicago, Illinois. He was educated at the University of Chicago, earning his Bachelor of Science Degree in 1933 and Doctor of Philosophy Degree in 1936. From 1936 to 1941 he was first Loman Fellow and then Eli Lilly Fellow in Chemistry. During World War II, Doctor Weinhouse contributed his expertise to the Office of Scientific Research Development.

Doctor Weinhouse began his association with Temple University in 1947 as Biochemical Research Director of the Temple University Research Institute. In 1950 he joined the Institute for Cancer Research, where he served first as head of the Department of Metabolic Chemistry and later as Chairman of the Division of Biochemistry. In 1961 he returned to Temple University as Professor of Biochemistry and Associate Director of the Fels Research Institute of the School of Medicine; two years later he assumed the directorship, a position held until his retirement in 1976. He was appointed Emeritus Professor in 1977.

Sidney Weinhouse has contributed to our understanding of several basic biochemical phenomena. He is the author of more than two hundred scientific papers, has served on the editorial boards of a number of research journals and was the editor of the prestigious journal *Cancer Research*. He currently is Associate Editor of *Cancer Research* and co-editor of forty volumes of *Advances in Cancer Research*.

He has also served on many advisory councils for the federal government and academic research institutes including the National Institutes of Health, the Damon Runyon Memorial Fund for Cancer Research, and the American Cancer Society. He also serves currently as a member of the Board of Directors of the American Cancer Society and the American Association for Cancer Research.

Doctor Weinhouse has been honored by election to the National Academy of Sciences and the Japanese Association for Cancer Research. He is the recipient of the G. H. A. Clowes Award from the American Association for Cancer Research, the Papanicolaou Award for Cancer Research, the Lucy Wortham James Award from the Society of Surgical Oncology, and the Annual National Award of the American Cancer Society. Doctor Weinhouse has been awarded honorary degrees from Temple University, The Medical College of Pennsylvania, and the University of Chieti, Italy.

DOCTOR OF HUMANE LETTERS—FRANCIS CLARK WOOD

Francis Clark Wood was born in Wellington, Cape Province, South Africa, in 1901. He received his undergraduate education at Princeton University and in 1926, was awarded the degree of Doctor of Medicine from the University of Pennsylvania. He continued his postgraduate training as an intern and cardiology fellow at the Hospital of the University of Pennsylvania.

From 1942 through 1945, Doctor Wood served in the United States Armed Forces and rose to Colonel and Chief of the Medical Service at the Twentieth General Hospital in Assam, India.

In 1947, Doctor Wood was appointed Professor of Medicine and Chairman of the Department of Medicine at the medical school of the University of Pennsylvania. He served in this role until 1964. In 1970, he was appointed as an Emeritus Professor of Medicine.

Doctor Wood has been active in many professional and scientific organizations. He has been Chairman of the Research Committee of the American Heart Association, President of the Association of American Physicians, and President of The College of Physicians of Philadelphia. Doctor Wood is best known as a superb clinician and teacher. Genetically, he has contributed to two outstanding physicians, his two sons. Spiritually, he is responsible for hundreds of other graduates from the University of Pennsylvania School of Medicine, who developed their concept of "medicine" from him. The medical students and residents at the University of Pennsylvania were part of his family, and they learned that humane, as well as scientific, awareness makes medicine an honored profession. In 1976, this particular talent was recognized when Doctor Wood received the Distinguished Teacher Award of the American College of Physicians.

Doctor Wood has received many other awards and honors, including election to Phi Beta Kappa, Alpha Omega Alpha, and Sigma Chi. He has received honorary Doctor of Science Degrees from Trinity College, Dublin, Princeton University, and the University of Pennsylvania. In 1981, the Association of Professors of Medicine presented the Robert A. Williams Award to him for being the Distinguished Chairman of Medicine.

DOCTOR OF HUMANE LETTERS—JOHN A. D. COOPER

John A. D. Cooper is one of the nation's most respected leaders in medical education. As the first full-time President in the one hundred seven year history of the Association of American Medical Colleges, he has charted new goals for the education of medical students and has indicated ways these might be approached. For five consecutive years he has been selected by the editors of *U.S. News and World Report* as one of the five "most influential leaders in the field of health". This honor is justly deserved. Doctor Cooper has devoted a lifetime to science and medical education and continues to add to his laurels in his fifteenth year as President of the Association.

Born in Texas as World War I ended, he showed an early interest in science and earned his Baccalaureate Degree in Chemistry at New Mexico State University in 1939. He then went to Northwestern University where he was awarded a Doctor of Philosophy Degree in Biochemistry in 1943 and joined the faculty as an Instructor in Biochemistry. Without interrupting his teaching and research career, he earned his Doctor of Medicine Degree from Northwestern in 1951 and was promoted to Associate Professor of Biochemistry.

Doctor Cooper continued his academic career as Professor of Biochemistry, Dean of Sciences and Associate Dean of Faculties at Northwestern until 1969 when he moved to Washington, D.C. where he began his second career, that of President of the Association of American Medical Colleges. He continues to evidence his love of teaching and has a faculty appointment at Georgetown University. He is a true scholar with more than two hundred papers published in his areas of interest.

Doctor Cooper also continues to serve on federal advisory boards, university groups, and many national and international committees concerned with medical education, health, and research. He is President of the National Resident Matching Program, a member of the Special Medical Advisory Group of the Veterans Administration, and serves on the boards of the Educational Commission for Foreign Medical Graduates and the National Board of Medical Examiners.

In addition to his role as an educator and medical statesman, he has found time to be a father and a grandfather. One of his four children is a physician, and two of the others are in medically-related fields.

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, Dr. John J. Gartland. The composition was composed by Burle Marx.

THE PRESIDENTIAL BADGE OF THOMAS JEFFERSON UNIVERSITY

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

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

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

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

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

