


Conferring of degrees

AT THE CLOSE OF THE 108th ACADEMIC YEAR

May 25, 1984



THE JOHNS HOPKINS UNIVERSITY



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ORDER OF PROCESSION

MARSHALS

MAURICE J. BESSMAN
ARTHUR BUSHEL
CHARLES F. DORAN
BRUCE R. EICHER
ROBERT E. GREEN
RICHARD L. HIGGINS
WILLIAM H. HUGGINS

JOSEPH L. KATZ
PETER B. PETERSEN
A. J. R. RUSSELL-WOOD
GILBERT B. SCHIFFMAN
HENRY M. SEIDEL
MACK WALKER
CHARLES R. WESTGATE

THE GRADUATES

*

MARSHALS

OWEN M. PHILLIPS
DAVID S. OLTON

THE DEANS

MEMBERS OF THE SOCIETY OF SCHOLARS
OFFICERS OF THE UNIVERSITY
THE TRUSTEES

*

MARSHALS

WILLIAM HARRINGTON
DEAN W. ROBINSON

THE FACULTIES

*

CHIEF MARSHAL

CARL F. CHRIST

THE CHAPLAINS

THE HONORARY DEGREE CANDIDATES
THE PROVOST OF THE UNIVERSITY
THE CHAIRMAN OF THE BOARD OF TRUSTEES
THE PRESIDENT OF THE UNIVERSITY

*

ORDER OF EVENTS

STEVEN MULLER

President of the University, presiding

* * *

PRELUDE

Fanfares and Parade Marches

RICHARD STRAUSS

(1864-1949)

*

PROCESSIONALS

*The audience is requested to stand as the Academic Procession
moves into the area and to remain standing after
the Invocation*

Grand Entrée, from "Alceste"

Where'er You Walk, from "Semele"

Fireworks Music

GEORG FREDRICH HANDEL

(1685-1759)

THE PRESIDENT'S PROCESSION

Fanfare

WALTER PISTON

(1894-1976)

March for "Athalie"

FELIX MENDELSSOHN

(1809-1847)

*

INVOCATION

CHESTER L. WICKWIRE

Chaplain

The Johns Hopkins University

*

THE NATIONAL ANTHEM

*

GREETINGS

GEORGE G. RADCLIFFE

Chairman of the Board of Trustees

*

PRESENTATION OF NEW MEMBERS OF THE SOCIETY OF SCHOLARS

GUILLERMO ARBONA
CHARLES C. J. CARPENTER
DAVID B. CLARK
FRANCIS R. HAMA
JOSEPH E. JOHNSON, III
PETER J. PARISH

STEPHEN JOSEPH RYAN, JR.
ASHER P. SCHICK
DONALD W. SIMBORG
FRANK COLE SPENCER
NEWMAN LLOYD STEPHENS
PAUL D. STOLLEY

HARRY L. SWINNEY

SCHOLARS PRESENTED BY RICHARD LONGAKER

*

THE FESTIVAL BRASS
ELLERY B. WOODWORTH, conductor

Festmusik Der Stadt Wein

RICHARD STRAUSS
(1864-1949)

*

CONFERRING OF HONORARY DEGREES

MALCOLM KERR
S. DILLON RIPLEY
PAUL A. VOLCKER

PRESENTED BY RICHARD LONGAKER

*

ADDRESS

PAUL A. VOLCKER
Chairman of The Federal Reserve Board

*

CONFERRING OF DEGREES ON CANDIDATES

BACHELORS OF ARTS

Presented by

GEORGE W. FISHER

Dean, School of Arts and Sciences

* * *

BACHELORS OF ENGINEERING SCIENCE
BACHELORS OF SCIENCE IN BIOMEDICAL ENGINEERING
BACHELORS OF SCIENCE IN CHEMICAL ENGINEERING
BACHELORS OF SCIENCE IN CIVIL ENGINEERING
BACHELORS OF SCIENCE IN ELECTRICAL ENGINEERING
BACHELORS OF SCIENCE IN MATERIALS SCIENCE AND
ENGINEERING

CONFERRING OF DEGREES ON CANDIDATES
continued

BACHELORS OF SCIENCE IN MATHEMATICAL SCIENCES
BACHELORS OF ARTS
BACHELORS OF SCIENCE IN ENGINEERING

Presented by
V. DAVID VANDELINDE
Dean, G.W.C. Whiting School of Engineering

* * *

PERFORMERS CERTIFICATES
BACHELORS OF MUSIC

Presented by
ROBERT O. PIERCE
Director, Peabody Conservatory of Music

* * *

ASSOCIATES OF ARTS
ASSOCIATES OF SCIENCE
BACHELORS OF SCIENCE
BACHELORS OF SCIENCE IN ENGINEERING

Presented by
STANLEY C. GABOR
Dean, Evening College

* * *

MASTERS OF SCIENCE
MASTERS OF EDUCATION
MASTERS OF LIBERAL ARTS
MASTERS OF ADMINISTRATIVE SCIENCE
CERTIFICATES OF ADVANCED STUDY

Presented by
STANLEY C. GABOR
Dean, Evening College

* * *

MASTERS OF MUSIC
ARTISTS DIPLOMAS

Presented by
ROBERT O. PIERCE
Director, Peabody Conservatory of Music

* * *

CONFERRING OF DEGREES ON CANDIDATES
continued

MASTERS OF SCIENCE
MASTERS OF HEALTH SCIENCE
MASTERS OF PUBLIC HEALTH

Presented by
DONALD A. HENDERSON
Dean, School of Hygiene and Public Health

* * *

MASTERS OF INTERNATIONAL PUBLIC POLICY
MASTERS OF ARTS IN INTERNATIONAL AFFAIRS
MASTERS OF ARTS

Presented by
GEORGE R. PACKARD
Dean, School of Advanced International Studies

* * *

MASTERS OF SCIENCE IN CLINICAL ENGINEERING
MASTERS OF ARTS

Presented by
RICHARD S. ROSS
Dean, School of Medicine

* * *

MASTERS OF CIVIL ENGINEERING
MASTERS OF SCIENCE
MASTERS OF SCIENCE IN ENGINEERING
MASTERS OF ARTS

Presented by
V. DAVID VANDELIN
Dean, G. W. C. Whiting School of Engineering

* * *

MASTERS OF ARTS

Presented by
GEORGE W. FISHER
Dean, School of Arts and Sciences

* * *

CONFERRING OF DEGREES ON CANDIDATES
continued

DOCTORS OF EDUCATION

Presented by
STANLEY C. GABOR
Dean, Evening College

* * *

DOCTORS OF MUSICAL ARTS

Presented by
ROBERT O. PIERCE
Director, Peabody Conservatory of Music

* * *

DOCTORS OF SCIENCE
DOCTORS OF PUBLIC HEALTH
DOCTORS OF PHILOSOPHY

Presented by
DONALD A. HENDERSON
Dean, School of Hygiene and Public Health

* * *

DOCTORS OF PHILOSOPHY

Presented by
GEORGE R. PACKARD
Dean, School of Advanced International Studies

* * *

DOCTORS OF MEDICINE
DOCTORS OF PHILOSOPHY

Presented by
RICHARD S. ROSS
Dean, School of Medicine

* * *

CONFERRING OF DEGREES ON CANDIDATES
continued

DOCTORS OF PHILOSOPHY

Presented by
V. DAVID VANDELINDE
Dean, G. W. C. Whiting School of Engineering

* * *

DOCTORS OF PHILOSOPHY

Presented by
GEORGE W. FISHER
Dean, School of Arts and Sciences

* * *

STATEMENT TO THE GRADUATES

STEVEN MULLER
President of the University

*

BENEDICTION

CLYDE R. SHALLENBERGER
Director, Chaplaincy Service
Johns Hopkins Medical Institutions

*

RECESSIONALS

March
CARL PHILIPP EMANUEL BACH
(1714-1788)
March for "Athalie" (complete)
FELIX MENDELSSOHN
(1809-1847)

*The audience is requested to remain standing after the
Benediction until the members of the faculties and
graduates have left the area.*

JOHNS HOPKINS SOCIETY OF SCHOLARS

The Johns Hopkins Society of Scholars was created on the recommendation of former President Milton S. Eisenhower and approved by the University Board of Trustees on May 1, 1967. The Society—the first of its kind in the nation—inducts former postdoctoral fellows at Johns Hopkins who have gained marked distinction in their fields of physical, biological, medical, social or engineering sciences, or the humanities, and for whom at least five years have elapsed since their postdoctoral work. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects the Scholars from the candidates nominated by the academic divisions having programs for postdoctoral fellows. Each division has the privilege of nominating up to three candidates for each election year. The Scholars are invested during the Commencement ceremony, the Commemoration Day ceremony, or on some similar occasion. They are presented with a diploma and a medallion with a black and gold ribbon. The Scholars wear the medallion around the neck, and they also wear academic costumes.

Today we honor 13 new members who have been elected this year to the Johns Hopkins Society of Scholars.

Dr. Guillermo Arbona is professor emeritus of preventive medicine and public health at the School of Medicine of the University of Puerto Rico. Dr. Arbona earned a medical degree from St. Louis University in 1934, and in 1936 he was a postdoctoral fellow at the Department of International Health at the School of Hygiene and Public Health. Since that time, his dedication has greatly improved health care delivery in Puerto Rico, where low-income people are subject to many tropical diseases. From 1957 to 1966, he served as Secretary of Health for the Commonwealth of Puerto Rico. His service in the federal government, as a member of the National Advisory Heart Council, the National Commission on Aging, and the Job Corps, among other positions, has benefited all Americans. Finally, through his work for the Pan American Health Organization, the World Health Organization, and other international groups, he has brought improved health care to countries around the world.

Dr. Charles C. J. Carpenter is chairman of the Department of Medicine at Case Western Reserve University, and director of the Department of Medicine at the University Hospitals of Cleveland. He was a postdoctoral fellow in the Department of Medicine at the School of Medicine. His early research focused on the role of the renin-angiotensin system in control of aldosterone secretions. Dr. Carpenter has also conducted important research on the causes of diarrhea, a leading cause of infant deaths in developing countries. In his research, he unravelled the complex mechanism of toxigenic *e. coli*, leading to an understanding of this problem. Recently, Dr. Carpenter has also advanced scientific knowledge of cholera, particularly in the area of therapeutic management. These contributions have earned him wide respect as a scholar and medical researcher.

Dr. David B. Clark is professor of neurology at the University of Kentucky College of Medicine and chief of neurology service at the Veterans Administration Medical Center in Lexington, Kentucky. After earning his medical degree at the University of Chicago, he was a postdoctoral fellow in the Department of Medicine at the School of Medicine. Dr. Clark is an internationally recognized authority on child neurology, shaping the field through his original research. This field emphasizes the development of the human nervous system, using the tools of neurology and the neurosciences. One of the country's most gifted teachers in clinical neurology, he has lectured at Oxford University, the Royal College of Physicians in London, and the Royal Alexandra Hospital for Children in Sydney, Australia. For twelve years, from 1967 to 1979, he served as director of the American Board of Psychiatry and Neurology.

Dr. Francis R. Hama, visiting professor at Stuttgart University, Federal Republic of Germany, has made major contributions to aerodynamics with his pioneering experiments on the instability of boundary layer flows under both subsonic and supersonic conditions, and the transition to turbulent flow. His research has also advanced scientific understanding of the behavior of curved vortices. Turbulent flow increases drag, an essential condition for situations that demand slower speeds, like landings. By applying his research to devices that hasten the transition to turbulent flow, Dr. Hama fundamentally changed our approach to airfoil designs. Dr. Hama was a postdoctoral fellow at Johns Hopkins in the Department of Aeronautics in the School of Engineering.

Dr. Joseph E. Johnson, III is professor and chairman of the Department of Medicine at the Bowman Gray School of Medicine of Wake Forest University in Winston-Salem, North Carolina. He was a postdoctoral fellow in the Department of Medicine at the School of Medicine. Currently president of the Association of Professors of Medicine, Dr. Johnson has made major contributions to our understanding of staphylococcal infections and adverse drug reactions. He has also conducted groundbreaking research on the amplified migration inhibition effect and pulmonary host defense mechanisms.

Dr. Peter J. Parish is director of the Institute of United States Studies at the University of London, and was a postdoctoral fellow in the Department of History at the School of Arts and Sciences. He taught history at the University of Glasgow for 18 years, and was head of the Department of Modern History at the University of Dundee before assuming his present position. From 1977 to 1980, he served as chairman of the British Association for American Studies. Internationally praised as a scholar of American history, he has written extensively on slavery in the United States, and won special praise for his book, *The American Civil War*. His distinguished academic career will soon be enhanced by the publication of an introductory text on American history, intended particularly for non-American students.

Dr. Stephen J. Ryan, Jr. is chairman of the Department of Ophthalmology at the University of Southern California School of Medicine, and medical director of the Estelle Doheny Eye Foundation. He was a postdoctoral fellow in the Department of Ophthalmology at the School of Medicine. Dr. Ryan ranks among the country's most outstanding investigators in ophthalmology, and is widely esteemed for his research on macular disease and retinal detachment. He was among the first to reproduce by experiment the changes in the eye that occur in senile macular degeneration. In an experimental model now used throughout the world, he also demonstrated the importance of early surgery in cases of eye trauma to prevent detached retina. Dr. Ryan's extraordinary organizational skills brought the ophthalmology department of the University of Southern California to a position of national rank and excellence.

Dr. Asher P. Schick, professor of physical geography at the Hebrew University in Jerusalem, was a postdoctoral fellow at the Department of Geography and Environmental Engineering at the G.W.C. Whiting School of Engineering. Dr. Schick is a leading authority on the hydrology and geomorphology of true desert basins with annual precipitation of less than 25 millimeters. He acquired his unique knowledge over 18 years in a continuous measurement program in small desert catchments in the mountains of Israel, under difficult field conditions. His analysis of this data involves all aspects of the hydrologic cycle, and provides the basis for comparisons of landforms from arid to tropical regions.

Dr. Donald W. Simborg is associate professor of medicine and director of hospital information systems at the University of California at San Francisco. He was a postdoctoral fellow in the Department of Medicine at the School of Medicine. Dr. Simborg has developed computer-based approaches to the investigation of cardiac arrhythmias, devising computer-based solutions to many important biomedical problems. He was an early advocate of modular systems implemented on minicomputers and integrated by networking. Subsequent demonstrations of these systems have earned him an international reputation in clinical information systems.

Dr. Frank Cole Spencer, chairman of the Department of Surgery at the New York University Medical Center, was a postdoctoral fellow in the Department of Surgery at the School of Medicine. As a young faculty member at Hopkins, Dr. Spencer helped bring the medical school's open-heart surgery program to national prominence. After leaving Hopkins in 1961, he continued to win international acclaim for his contributions to cardiac surgery, particularly for coronary artery bypass procedures. Despite his attentions to cardiology, Dr. Spencer has kept eclectic surgical interests. He has contributed to such diverse medical specialties as the operative prevention of pulmonary emboli, the treatment of complications resulting from acute pancreatitis, the management of liver abscess and liver trauma, and the surgical applications of evoked somatosensory potentials. In addition to his talents as a surgeon, Dr. Cole has won many awards for his distinguished teaching.

Dr. Newman Lloyd Stephens, professor of physiology at the University of Manitoba, Canada, is one of the world's foremost authorities on smooth muscle mechanics. His research on the velocity of muscle shortening and the process of relaxation has won wide acclaim. Among his findings, Dr. Newman discovered that bronchial and tracheal muscles cells in asthma victims function abnormally, contracting too quickly. Likewise, his studies on smooth muscle cells in blood vessels have revealed that when these cells contract abnormally, high blood pressure can result. These studies have led to a better understanding of these conditions, a fundamental prerequisite to effective treatment. Dr. Stephens was a postdoctoral fellow in the Department of Environmental Medicine at the School of Hygiene and Public Health.

Dr. Paul D. Stolley, professor of medicine at the University of Pennsylvania School of Medicine, was a postdoctoral fellow in the Department of Epidemiology at the School of Hygiene and Public Health. A leading epidemiologist, Dr. Stolley was a pioneer in the field of pharmaco-epidemiology—using epidemiological methods to identify adverse reactions to drugs. He has made significant contributions to understanding the conditions under which physicians prescribe drugs; the relation of oral contraceptives to heart disease and cancer; and the epidemiology of alcohol abuse and cigarette smoking. By understanding the social implications of adverse drug reactions, he has helped formulate guidelines for drug use both here and abroad.

Dr. Harry L. Swinney, professor of physics at the University of Texas at Austin, was a postdoctoral fellow in the Department of Physics at the School of Arts and Sciences. Dr. Swinney has greatly advanced scientific understanding of instabilities and the onset of chaotic behavior in chemical systems through pioneering work with laser scattering techniques. In 1975 he demonstrated that the Landau picture of the transition to turbulence was incorrect. Subsequent experiments at the University of Texas confirmed phenomena in chemical reactions and fluid flows that had been predicted by theorists for more than a decade.

Citation Read by

RICHARD P. LONGAKER

in Presenting

PAUL A. VOLCKER

for the Degree of Doctor of Humane Letters

May 25, 1984

Economist and public servant, you have helped guide America's economy through a critical decade. In both government and the private sector, you command great respect for your reaffirmation of the strength of American society.

Your government service began in 1952 when you became an economist with the Federal Reserve Bank of New York. You quickly established a reputation as a brilliant economist and planner. In 1962, President Kennedy appointed you Director of Financial Analysis at the Treasury Department. Every president since has called upon your experience. As Under Secretary of the Treasury for Monetary Affairs in the early 1970s, you became the principal negotiator for the development of the present international monetary system. As Chairman of the Federal Reserve Board since 1979, you have exercised firm control of both the money supply and your economic convictions. Today the dollar has regained its vigor and inflation has been restrained.

You have pursued this difficult path with an imposing blend of skill, shrewdness, and principle. But, especially, you have followed the path of independence so that your judgment as well as your institution might be preserved.

Paul Volcker, we applaud your wisdom and the firmness of your convictions. For your selfless dedication and service to your country, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by

RICHARD P. LONGAKER

in Presenting

S. DILLON RIPLEY

for the Degree of Doctor of Humane Letters

May 25, 1984

Scientist and educator, you and the Smithsonian have guarded our nation's treasures, and created a world of wonder and discovery. Your special monument is an idea: that people and museums belong closer together.

Under your stewardship, the "nation's attic" grew as never before. Beneath its rafters you added the Renwick Gallery, the National Collection of Fine Arts, the National Portrait Gallery, the Hirshhorn Museum, and the emerging Center for African, Near Eastern and Asian Culture. And among your triumphs is the most popular museum in the world, the National Air and Space Museum. You have lifted the Smithsonian from its once-remote pedestal, encouraging an intimacy that enriches the mind.

Nor have you neglected your charge to expand knowledge. Under your guidance, research at the Smithsonian has flourished. In your two decades, the Smithsonian has established the Woodrow Wilson International Center for

Scholars and the Chesapeake Bay Center for Environmental Studies. The Smithsonian Tropical Research Institute has grown from a small support facility into a leading center for tropical research. And the National Zoo, once unexceptional, has long since joined the world's finest. While leading this revolution at the Smithsonian, you have continued to pursue your own original research. The *Handbook of the Birds of India and Pakistan* stands as a definitive contribution to ornithology. And without exception your other books have won critical acclaim.

S. Dillon Ripley, for your remarkable public vision and personal achievement, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by

RICHARD P. LONGAKER

in Presenting

MALCOLM H. KERR

for the Degree of Doctor of Humane Letters

May 25, 1984

Today we celebrate a distinguished scholar and university president, Malcolm Kerr, who lost his life while fulfilling his responsibilities at the American University of Beirut. His wife Ann is here today to receive this degree.

Beirut was Malcolm Kerr's native city. His father taught biochemistry at the American University's medical school; his mother was dean of women there. He attended Princeton and then returned to Beirut and earned a master's degree in Arabic studies. He later received his doctorate from Johns Hopkins.

For 20 years Dr. Kerr was a political scientist at the University of California, Los Angeles before accepting the position of president of the American University. Over the course of his academic career, he became one of the world's foremost authorities on the Middle East. Among his many writings, his penetrating study, *Islamic Reform*, reveals a thorough understanding of the Arab response to the challenge of Western ideas. Another major work, *Arab Cold War*, reveals Arab attitudes during that period. The book is a monumental study of contemporary relations among the Arab nations of the Middle East.

Malcolm Kerr was a man of remarkable compassion and personal integrity. Second only to his dedication to his family was his dedication to scholarship, teaching, and higher education. Under his leadership, the American University was a sanctuary where all viewpoints were tolerated. Although he could have left Beirut, he was steadfast in his commitment to the university. For those who knew him he will always be remembered as a person who blended uniquely intellectual vigor, personal gentleness, and an irrepressible sense of humor. He is sorely missed. And while we extend our sympathy to Malcolm Kerr's family, friends, and colleagues we also celebrate his legacy. For scholarly achievement and dedication to higher learning, The Johns Hopkins University proudly confers upon Dr. Malcolm Kerr the degree of Doctor of Humane Letters, *honoris causa*.

THE UNIVERSITY MACE

The University Mace carried by the Chief Marshal, Dr. Carl F. Christ, was first used at the 1954 Commemoration Day Exercises. Eight symbols are hand wrought in sterling silver on an ebony staff. The symbols represent man's cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

THE PRESIDENTIAL INSIGNIA

University President Steven Muller is wearing the Presidential Insignia signifying the authority vested in the President by the Board of Trustees. It is a chain of sterling silver links worn around the neck. Portraits of each of the ten Johns Hopkins University Presidents are engraved on the faces of ten of the links. On the reverse are engraved the names and dates of office of each President. Ten blank links for future use are included. The University Seal completes the design.

ACADEMIC DRESS

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round, but has changed to the varieties that we see today.

The gown varies for the respective degrees. The Bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The Master's gown is designed to be open with the arms worn through the slits in the elbows of the sleeves. The Doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper arm. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The Bachelor's and Master's hoods are of the same design, pointed at the base. The Bachelor's hood is three feet long; the Master's hood is three and one half feet long. The Doctor's hood is four feet long, of fuller shape and rounded at the base.

The hood is bordered with velvet, the color of which indicates the field of study in which the degree was earned:

Dark blue — Philosophy
Light blue — Education
Orange — Engineering
Gold-yellow — Science

Green — Medicine
Salmon pink — Public Health
Pink — Music
Purple — Laws

White — Arts and Letters

The silk lining of the hood represents the institution which granted the degree. If more than one degree is held, the gown and hood of the higher or highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include:

Black, old gold chevron — Johns Hopkins
Light blue, white chevron — Columbia
Dark blue — Yale
Blue with white chevron — Duke
Dark blue, two orange chevrons — Illinois
Light blue, two white chevrons — North Carolina
Old gold, maroon chevron — Minnesota
Old gold — Iowa
Gold, blue chevron — California
Gold — Virginia
Purple, gold chevron — Northwestern
Carnegie Tartan — Carnegie-Mellon

Purple — New York University
Bright red — Wisconsin
Plum, with scarlet — London
Maroon — Chicago
Crimson — Harvard
Carnelian, two white chevrons — Cornell
Cardinal — Stanford
Red, tri-chevron in center — Heidelberg
Dandelion yellow — Michigan
Maize, azure blue chevron — Sorbonne
Yellow and white — Rochester

THE UNIVERSITY MOTTO

Veritas vos liberabit.

The truth shall make you free

—St. John 8:32

AWARDS

IN THE SCHOOLS OF ARTS AND SCIENCES, ENGINEERING AND MEDICINE

LOUIS SUDLER PRIZE IN THE ARTS
for excellence in the visual or performing arts
Awarded to JESSICA ROSE KUBZANSKY

IN THE SCHOOLS OF ARTS AND SCIENCES AND ENGINEERING

AMERICAN INSTITUTE OF CHEMISTS AWARD
for a demonstrated record of leadership, ability, character, scholastic achievement
and potential for advancement of the chemical professions
Awarded to DAVID WELTON MARKBY

LOUIS AZRAEL FELLOWSHIP IN COMMUNICATIONS
for demonstrated excellence in a field of mass communications
Awarded to STEVEN EISENBERG

ALEXANDER BUTLER PRIZE
for the best research paper by a first year graduate student in History
Awarded to JOYCE ELIZABETH CHAPLIN

EUGENIO AND PATRICIA CASTILLO AWARD
to the best first or second year graduate student in Political Economy
Awarded to SPYRIDON VASSILAKIS

G. STANLEY HALL PRIZE
for outstanding achievement by an undergraduate in Psychology
Awarded to BARBARA KNOWLTON

THE 3 ARTS CLUB OF HOMELAND AWARD
for outstanding achievement in the Writing Seminars
Awarded to JENNIFER ANNE ISAACS

ADOLF KATZENELLENBOGEN MEMORIAL PRIZE
for outstanding work in Art History
Awarded to DIANNE PITMAN

DONALD E. KERR MEMORIAL MEDAL
to the outstanding undergraduate major in Physics
Awarded to NEIL MARK SHAW

ARTHUR KOUQUELL PRIZE
to the outstanding undergraduate major in History
Awarded to RICHARD L. HALL, JR.

SAMUEL H. KRESS FOUNDATION FELLOWSHIP
in the Department of the History of Art
Awarded to DIANNE PITMAN

ERNEST M. MARKS AWARD

in recognition of excellence in instruction in Chemistry

Awarded to MICHAEL D. MAYS
JEFFREY A. ROBL

MATHEMATICAL SCIENCES AWARD

for outstanding achievement by an undergraduate

Awarded to EDWARD WIEST

PAUL A. McCOY PRIZE

for the most distinguished masters essay in Political Science

Awarded to PETER DIGESER
THOMAS D. TILLMAN

ROYAL SOCIETY OF ARTS SILVER MEDAL

for distinguished achievement by an undergraduate in the application
of art or science to the field of commerce or industry,
and for significant participation in student activities

Awarded to DOUGLAS A. FELLMAN

ROSE TRAVELLING SCHOLARSHIP

Awarded to WILLIAM B. KOUWENHOVEN III

SARAH & ADOLPH ROSEMAN ACHIEVEMENT AWARD

in recognition of outstanding accomplishment in Chemistry

Awarded to MARSHA M. LEE
LOAN NGUYEN

JULIUS TURNER PRIZE

for the most distinguished senior thesis in Political Science

Awarded to ELIZABETH ANN OBERLE

JOHN BOSWELL WHITEHEAD AWARD

for outstanding achievements by an undergraduate in Electrical Engineering
and Computer Science

Awarded to LARRY WILLIAM NEMSICK

WILLIAM H. BAIN AWARD

for outstanding achievement by an undergraduate
in the Writing Seminars

Awarded to JESSICA ROSE KUBZANSKY

IN THE EVENING COLLEGE

DELTA SIGMA PI SCHOLARSHIP KEY

in the Division of Administration and Business for the
highest average in the undergraduate programs

Awarded to PAULINE S. BILLINGS

EDWARD J. STEGMAN, C. P. A., MEMORIAL AWARD

in the Division of Administration and Business for
excellence in the study of Administrative Science at the graduate level

Awarded to ADFANA MISHAN BRANDINGER
JOHN LINWARD CHASSE
ERIC ROBERT GUNDLACH
LOWELL ALCOFF LARSSON
ELIZABETH CLARK MOORE
DANA ANN SLATF
STUART MASON STIGALL

WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD
in the Division of Administration and Business for outstanding scholarship in the undergraduate
programs and exceptional promise of future success
Awarded to MONICA LYNN COLEMAN

IN THE SCHOOL OF MEDICINE

HENRY STRONG DENISON SCHOLARSHIP

for excellence in biomedical research

Awarded to

RONALD SCOTT BLACK - 1982

ROBERTA A. GOTTLIEB - 1982

W. BARRY WOOD STUDENT RESEARCH AWARD

Awarded to ROBERTA A. GOTTLIEB - 1982 and 1984

SANDOZ AWARD

for excellence in the field of Pharmacology

Awarded to KUAN-TEH JEANG

LAUREL AND CLARENCE H. KOENNECKE AWARD

for most promise in the surgical field of gynecology

Awarded to JOHN JOSEPH BELLATONI

FRANKLIN PAINE MALL SCHOLARSHIP IN ANATOMY

in recognition of outstanding accomplishment

Awarded to DEBRA ANN DODD

ANN LOUISE KAVANAUGH McHUGH

RANDALL KURT PETERSEN

PAUL EHRLICH AWARD IN CLINICAL INVESTIGATION

in recognition of outstanding research accomplishment

Awarded to RANDALL WADE MOREADITH - 1984

PAUL EHRLICH GRADUATE STUDENT AWARD

Awarded to MICHAEL IRA MILLER - 1983

PAUL EHRLICH AWARD FOR BASIC SCIENCE INVESTIGATION

Awarded to KUAN-TEH JEANG - 1983

HAROLD LAMPORT BIOMEDICAL RESEARCH SCHOLAR

for meritorious research completed during medical training

Awarded to ROBERTA A. GOTTLIEB

CIBA AWARD FOR OUTSTANDING COMMUNITY SERVICE

Awarded to ROBERT JAY STILL - 1982

SCHOOL OF MEDICINE STUDENT RESEARCH AWARD

in recognition of outstanding research accomplishment

Presented by RANDALL WADE MOREADITH - 1981

DAVID ISRAEL MACHT MEMORIAL PRIZE

in recognition of excellence in investigation

Awarded to KENNETH MARTIN MICHAEL MURPHY - 1984

WILLIAM L. STRAUSS, JR. SCHOLARSHIP AWARD
for outstanding research in Cell Biology and Anatomy
Awarded to ROBERTA A. GOTTLIEB

IN THE SCHOOL OF HYGIENE AND PUBLIC HEALTH

ALUMNI ASSOCIATION SCHOLARSHIP AWARD
to a student of outstanding promise
Awarded in 1983 to DIANE M. BECKER
Awarded in 1982 to DAVID GEORGE CAMPBELL

FREDERICK B. BANG AWARD
for an outstanding research idea in the area of pathobiology
Awarded in 1983 to AHMED HUSEIN ESA

RUTH FREEMAN AWARD
to a nurse deemed to have produced the outstanding doctoral thesis
Awarded to ROBIN PACKER HERTZ

JOHN C. HUME AWARD
for significance of doctoral research in
the Department of Health Policy and Management
Awarded to ELIZABETH McLOUGHLIN

JOHN C. HUME AWARD
to a Master of Public Health graduate
for academic excellence and professional promise
Awarded to STELLA A. J. GOINGS

CORNELIUS W. KRUSE AWARD
for the outstanding dissertation in Environmental Health
Awarded to TIMOTHY JOHN JORGENSEN

MARY B. MEYER MEMORIAL AWARD
to a student in the Department of Epidemiology for academic excellence
Awarded in 1983 to ERIC STALIN JOHNSON

LONG AND WIDMONT MEMORIAL FOUNDATION FELLOWSHIP AWARD
to an outstanding student for research support
Awarded in 1979 to KAREN LEORA HULEBAK

IN THE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

WILLIAM C. FOSTER AWARD
to a second year student for sound scholarship and a record of leadership
and distinguished service to SAIS exemplary of the high qualities
of integrity, loyalty and ability admired in Mr. Foster
Awarded to PETER MARC DRITTEL
SCOTT WILLIAM PFLUEGER

CHRISTIAN A. HERTER FELLOWSHIP
to the member of the second year class with the most outstanding
record during the first year
Awarded to ALEC L. STONE

HONOR SOCIETIES

PHI BETA KAPPA

From the Junior Class in the School of Arts and Sciences

JESSIE LYNN CHAI
MOHAMAD REZA DANA
RICHARD DEMOPOULOS

RICHARD COREY HARKAWAY
EDWARD CHU-WEI LEE
GI HYUNG MARTHA LEE

CHRISTOPHER EDWARD MULLADY
KAREL RASKA
MARY MEI-LING YUN

From the Senior Class in the School of Arts and Sciences

Elected in 1980-81

JULIE HELEN FARR

Elected in 1982-83

MAUREEN EMILY FREED
CHARLES JOHNSON II
MICHAEL SETH KAPILOFF

NEAL LUE
JULIA MARIE LUPTON
CHRISTOPHER PAUL MANIK

LESLIE LYNN STERN-RIFKIN
LAWRENCE ROBERT VOLZ
TIEN PEI WONG

Elected in 1983-84

DAVID LAWRENCE ABRAMSON
KEITH ANDREW BOCKUS
ELIZABETH CAPROWSKI
ANTONY CHEN
CORNELIUS JOSEPH CLANCY
JOHN COLEMAN DARNELL
DOUGLAS ANDREW FELLMAN
ROBERT ALLEN FEUERSTEIN
LAURENCE PAUL GREENBERG
DAVID SETH GROSSMAN
GREGORY HEACOCK
JOHN SCOTT HOLMES
GARY DA-DZAN KAO

JOHN CHARLES LEHMANN
LISA KIM MILLER
LAWRENCE ASHIM NAIR
JEAN MARIE NAPPO
LONNIE WAYNE NEUBAUER
DIANA NEWMAN
ELIZABETH ANN OBERLE
MICHAEL FITZGERALD ORMAN
PETER HUI-MUN PAK
THOMAS HYONSU PARK
MINDY LYNN PERKAL
STUART MARK POLLACK
JOSE MIGUEL RIVERA

JOHN DONALD ROBACK
ANNE ELIZABETH ROBERTS
NEIL MARK SHAW
JERRY SHIH
BRUCE MICHAEL SOLITAR
JOEL STUART SOLOMON
JOHN MICHAEL STELLING
DORIS STOFFERS
SURACHAI SUPATTAPONE
CYNTHIA LYNN TITUS
CHERIE VOGELSTEIN

From the School of Medicine

JOHN ARYANPUR
LUCY JANET CAIRNS
WEN CHENG
ANN L. KAVANAUGH-McHUGH
MICHAEL ARTHUR KING

ALEXANDER DAVID MIH
SCOTT NORRIS NADEL
CARL ANTHONY RIDDICK
ROBERT CUMMING SCHENCK, JR.
CHRISTOPHER ELDRIDGE SIMS

KAREN DAWN TODD
MARSCHALL STEVENS RUNGE
ADOLPH JOSEPH YATES

From the School of Advanced International Studies

DEBORAH KWITTEN

JEREMY PREISS

TAU BETA PI

NATIONAL ENGINEERING HONOR SOCIETY

From the Junior Class in the G.W.C. Whiting School of Engineering

KARL STEVEN BRACE
CHRISTOPHER CALINGAERT
ROBERT AUSTIN CARDWELL
ERIC THAI-KUN CHOI
GREGORY ALLAN FABELLA

TIMOTHY TAMIM KHATER
FRANCIS MICHAEL LAVELLE
PATRICK J. MCGUINNESS
CARY BRADFORD PHILLIPS
PATRICK A. SANTAVENERE
RICHARD DAVID SCHULICK

JEFFREY HAROLD SINSKY
ELIZABETH ANN SQUIRES
LAURA BETH STEEFEL
STEVEN JAY STEINSALTZ
MARY MARGARET VOYTKO

From the Senior Class in the G.W.C. Whiting School of Engineering

Elected in 1981-82

JOHN FRANCIS WALKER

Elected in 1982-83

JOHN HENRY BEATTY
DOUGLAS MILLER BLOUGH
ROBERT GARY KELLY

ANNE MARIE KROHN
SUZANNE DOROTHY LAU
LARRY WILLIAM NEMSICK

JOHN KICHU PANG
ROLF ANDREW RAMELMEIER
NEAL WILLIAM SANSTROM

Elected in 1983-84

MICHAEL GENE BIGGS
MICHAEL ALAN BROG
LOUIS ALBERT CHAN-LIZARDO
AMELIA MAE DILLON
CALVIN ROBINSON DYER
FRANK VAZUL GABOR

STEPHEN VERNONE GELHAUS
MARK EVAN HARTMANN
SEAN HUNKLER
JEFFREY SCOTT LEVINE
ARIEL ABACO NAVARRO
CRAIG ALAN NELSON
WENDY KAY NICHOLAS

ABHAYKUMAR JAYA PAREKH
WLADIMIR D. PRIBITKIN
CATHERINE ANNE SCHEVON
JOSEPH HOWARD SCHONFELD
MICHAEL SIEGENFELD
DAVID M. TATE

From the Graduate Students in the G.W.C. Whiting School of Engineering

GILBERT R. CRUZ

From the Part-Time Engineering Program

CHARLES BANDA
JOHN ECKER
WILLIAM GRIESMANN
DONALD J. HOHNE
CHARLES R. HOTT

HUGH M. JONES
DAVID J. MARC
MARK R. MILLER
JOSEPH J. MUELLER

DAVID MUFFLEY
GARY M. RACKSON
EDWARD E. SCHEITLIN
RICHIARD SCHLOSSER

ALPHA OMEGA ALPHA

HONOR MEDICAL SOCIETY

JOHN NATHANIEL AUCOTT
LUCY JANET CAIRNS
WEN CHENG
HALLIE KERSTIN DECHANT
KENNETH J. HOLROYD
JOHN NICHOLAS KABALIN
MARK KOZAK

ANN LOUISE KAVANAUGH McHUGH
MICHAEL RAY MOORE
RANDALL KURT PETERSEN
IAN FREDRIC POLLACK
MICHAEL LEE RIORDAN
ROBERT JAY STILL
THORALF MAURITZ SUNDT III

MARC STEVEN SUSSMAN
KAREN DAWN TODD
DAVID ERIC TUNKEL
ANNE MARGOT YAHANDA
CHARLES MICHAEL ZACHARCHUK
MARCO ATTILIO EUGENIO ZARBIN

DELTA OMEGA

NATIONAL PUBLIC HEALTH HONOR SOCIETY

ABHAY T. BANG
DIANE M. BECKER
RIDGELY C. BENNETT
WILLIAM DOUGLAS BENNETT
NORMAN ARLON DEAN
ELIZABETH ANN ELLIOTT
IRENE HENRIETTE GERVERDINGCK
RICHARD EDMUND HOFFMAN
JOHN MARCELLUS HORAN
YUH-CHIN HUANG

ERIC STALIN JOHNSON
KATHLEEN KELLY
SHIRIKI K. KUMANYIKA
LESTER MARTINEZ-LOPEZ
JAMES WILLIAM McALLISTER
ELIZABETH McLOUGHILIN
HARRY JOSEPH QUEBBEMAN
M. PATRICIA QUINLISK
EUGENE THOMAS REIMER
NANCY KAIULANI RICE

MARK H. SCHIFFMAN
STEPHEN DONALD SEARS
GER JAN STEENBERGER
HEATHER GAIL STOCKWELL
S. SUNDARARAJAN
YUI-LING TANG
RICHARD JOSEPH THOMAS
LINDA K. TOLFFSON
HENRI A. VAN ASTEN
KATHERINE PARKER YATES

PI KAPPA LAMBDA

NATIONAL MUSIC HONOR SOCIETY

EUGENE CHARLES MCGREGOR BOYLE, JR.
HOWARD RALPH CARR
CAROL CAVY-DOWLING

MARK KENNERLY CLINTON
ROBERT HASKINS
NOEL KIRBY LESTER

AMY HSUAN-CHIA LIN
MARK JONATHAN PARIS
FREDERICK EUGENE URREY

HONORS

Baccalaureate Candidates in the School of Arts and Sciences

Graduating with General Honors

MICHAEL JOSEPH ABELE	NED HOFFMAN	WILLIAM DAVID PANTEL
LAURIE A. ABRAMS	JOHN SCOTT HOLMES	WILLIAM SEBASTIAN PANZA
DAVID LAWRENCE ABRAMSON	DANIEL PHILIPP HOLSCHNEIDER	MINDY LYNN PERKAL
GREGORY THOMAS ALMONY	MARK HOM	SETH DAVID POTASH
JEFFREY LEE ALMONY	CAROLINE HOLMES HOPKINS	CAROL ARLENE PRESCOTT
JOANNE RACHEL APPLEBAUM	KEVIN FRANCIS HORAN	JOSEPH DANIEL PUGLISI
JANINE MARIE AUSTIN	ATSUKO HORIGUCHI	KATHRYN EMERY RHETT
ROBERT DREW BASOW	MARIA FRANCESCA HOWELL	LAURENCE SCOTT RICKLES
STEVEN BIALEK	MARK LEYBURN HUGHES	LI-HSIEN RIN
VERONIQUE ANNE BISHOP	SUGURA IMAEDA	JOSE MIGUEL RIVERA
STACY M. BLUMBERG	JENNIFER ANNE ISAACS	ANNE ELIZABETH ROBERTS-ALVARADO
KEITH ANDREW BOCKUS	CHARLES JOHNSON II	ROBERT LOUIS RODRIGUES
MARY CAROLE BROWN	GARY DA-DZAN KAO	KENNETH IRWIN ROSENFELD
CHRISTOPHER ANTHONY CALDARONE	MICHAEL SETH KAPILOFF	LLEWELLYN ALEXANDER ROWE
ELIZABETH E. CAPOWSKI	MORGAN PATTON KELLY	JUDITH RENEE RUDNICK
JONATHAN SETH CARGAN	BARBARA JEAN KNOWLTON	JESUS AQUILES SANCHEZ
WILLIAM WATKINS CAVERS	DAVID S. KOLODNY	DUANE WARREN SCHMIDT
ANTONY S. C. CHEN	DONNA MARIE KONLIAN	MARION ADELE SCHREIBER
JOHN FREDERICK CORBIN	WENDY ANN KRONMILLER	PAUL KENNETH SCHULTZ
JOHN COLEMAN DARNELL	MICHAEL STUART KUN	CAROLYN SCHURR
JOEL DAVID EICHLER	CHARLES DAVID KUPFER	SUSAN TOBI SCHWARTZ
JULIE HELEN FARR	ETHAN DAVID LEDER	NEIL MARK SHAW
JOSHUA N. FEINMAN	CAROL DEBRA LEFKOWITZ	JERRY JEH SHIH
LINDA JEAN FELCH	JEFFREY ALAN LEHMAN	TIMOTHY PETER SLOAND
DOUGLAS ANDREW FELLMAN	JOHN CHARLES LEHMANN	BRICE MICHAEL SOLITAR
ROBERT ALLEN FEUERSTEIN	LARRY B. LEVINE	JOEL STUART SOLOMON
ANTHONY EDWARDS FIORE	STUART LLOYD LICHTEN	WILLIAM McDUFF SPEARS
BARRY MARC FORMAN	BORIS KIN LIN	FREDERIC MURRAY STEINBERG
DAVID ANTHONY FRANGHINA	DONALD CHUA LIU	JOHN MICHAEL STELLING
MAUREEN EMILY FRIED	SPENCER SPIN LIU	BRIAN KIRK STEWART
JOEL GARY FREITAG	HENRY BERNARD LOWMAN	DORIS ADELHEI STOFFERS
RICHARD LAWRENCE FRIED	ANDREW M. LOWY	SURACHAI SUPATTAPON
JANE BETH GOLBERG	JULIA MARIE LUPTON	PETER C. SZE
HOWARD SETH GOLDBERG	PAULA FRANKLIN LYTLE	CYNTHIA LYNN TITUS
JUDITH ILANA GOLDBERG	CHRISTOPHER PAUL MANIK	ALANE BETH TORF
MERYL GAIL GOLDHABER	RICHARD PAUL MARVEL	ANGELA MARIE TOWNSEND
MARTHA ELIZABETH GOTTLING	THOMAS MICHAEL McLOUGHLIN, JR.	DOROTHY PHUONG-M TRINH
PETER CHRISTOPHER HENRY GOTTSCHALK	LISA KIM MILLER	JYE PING TU
LAURENCE PAUL GREENBERG	ERIC IRA MITCHNICK	ANNE FRANCES VINOKUR
DAVID SETH GROSSMAN	ROBERT GLENN MORRISON	CHERIE F. VOGELSTEIN
MEHMET GURGAN	LAWRENCE ASHIM NAIR	RICHARD MARVIN WASHINGTON
RICHARD LEWIS HALL, JR.	ALISA SHERYL NAUS	SUSAN FRANCES WEISSFELD
JONATHAN GOLDEN HARRIS	LONNIE WAYNE NEUBAUER	ROGER CHRISTOPHER WILDE
THOMAS STEWART HARTZHEIM	DIANA NEWMAN	KAREN LEIGH WILLMES
GREGORY LAURENCE HEACOCK	JOHN PAUL TRACY NG	ELLEN YA-TING YANG
JAMES MICHAEL HEDREEN	ELIZABETH ANN OBERLE	TERRENCE MICHAEL YAU
ERIC BOWER HERBERT	STUART OKIN	
ERIC HAMILTON HERTTING	MICHAEL FITZGERALD ORMAN	

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering
Graduating with General Honors

JOHN HENRY BEATTY
MICHAEL GENE BIGGS
DOUGLAS MILLER BLOUGH
MICHAEL ALAN BROG
LOUIS ALBERT CHAN-LIZARDO
CALVIN ROBINSON DYER
STEPHEN VERNON GELHAUS
RICHARD THOMAS GIOVANNONI
LOUIS JACOB HOLLANDER

SEAN HUNKLER
ROBERT GARY KELLY
ANN MARIE KROHN
SUZANNE DOROTHY LAU
IVOR JOHN JOSEPH LONGO
DEAN MICHAEL MURPHY
ARIEL ABACO NAVARRO
LARRY WILLIAM NEMSICK
WENDY KAY NICHOLAS

ABHAYKUMAR JAYA PAREKH
BRUCE ALAN PELTZER
ROLF ANDREW RAMELMEIER
NEAL WILLIAM SANSTROM
CATHERINE ANNE SCHEVON
JOSEPH HOWARD SCHONFELD
MICHAEL SIEGENFELD
DAVID MARSHALL TATE
JOHN FRANCIS WALKER

Baccalaureate Candidates in the School of Arts and Sciences
Graduating with Departmental Honors

ROBERT WAYNE BALFANZ
ROBERT DREW BASOW
STEVEN BIALEK
STACY M. BLUMBERG
KEITH ANDREW BOCKUS
JACQUELINE BARBARA CHEN
JENNIFER ELIZ BETH CORWIN
SHARON ELIZABETH CRANE
KYLE WAYNE CUNNINGHAM
JOHN COLEMAN DARNELL
HARRY SIMEON DAVIS
JULIE HELEN FARR
JOSHUA N. FEINMAN
LINDA JEAN FELCH
DOUGLAS ANDREW FELLMAN
ROBERT ALLEN FEUERSTEIN
ANTHONY EDWARD FIORE
MAUREEN EMILY FREED
RICHARD LAWRENCE FRIED
PAUL ARTHUR GARLINGHOUSE
JOSEPH VINCENT GATTI
JANE BETH GOLBERG
MARTHA ELIZABETH GOTTLING
LAURENCE PAUL GREENBERG
RICHARD LEWIS HALL, JR.

JONATHAN GOLDEN HARRIS
JOHN SCOTT HOLMES
LINDA HOR
MARIA FRANCESCA HOWELL
MARK LEYBURN HUGHES
MATTHEW RICHARD HUMPHREY
JENNIFER ANNE ISAACS
GARY DA-DZAN KAO
STEVEN W. KASTEN
ROBERT JAY KIRSHENBERG
BARBARA JEAN KNOWLTON
MICHAEL STUART KUN
CHARLES DAVID KUPFER
DEBORAH HILARIE KWITTKEN
THOMAS JOHN LANG
ETHAN DAVID LEDER
CAROL DEBRA LEFKOWITZ
STUART LLOYD LICHTEN
BERNARD HENRY LOWMAN
PAULA FRANKLIN LYTLE
CHRISTOPHER PAUL MANIK
LINDA LEE MCINTYRE
KEITH LEONARD MILLER
LISA KIM MILLER
ROBERT GLENN MORRISON

LONNIE WAYNE NEUBAUER
DIANA NEWMAN
ELIZABETH ANN OBERLE
MICHAEL FITZGERALD ORMAN
JEREMY OSCAR PREISS
CAROL ARLENE PRESCOTT
JEAN ELLEN PRESTON
LAURENCE SCOTT RICKLES
JOHN DONALD ROBACK
WILLIAM FRANCIS ROBINSON
TIMOTHY FRANCIS ROHALY
DUANE WARREN SCHMIDT
MARION ADELE SCHREIBER
CAROLYN SCHURR
NEIL MARK SHAW
KAREN LYNNE SINCLAIR
JOEL S. SOLOMON
WILLIAM McDUFF SPEARS
CHRISTOPHER BURGHARD STEINER
BRIAN KIRK STEWART
CYNTHIA LYNN TITUS
CHERIE F. VOGELSTEIN
SUSAN FRANCES WEISSFELD
KAREN LEIGH WILLMES
ANDREW ADAM ZIPPER

Graduates from the Biology Honors Program

SANDEEP KATHJU
JOHN MICHAEL STELLING

Graduates from the Humanistic Studies Honors Program

FRANCIS RICHARD GREENE

JULIA MARIE LUPTON

CHRISTOPHER BURGHARD STEINER

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering
Graduating with Departmental Honors

MICHAEL GENE BIGGS
DOUGLAS MILLER BLOUGH
LOUIS ALBERT CHAN-LIZARDO
CALVIN ROBINSON DYER
STEPHEN VERNON GELHAUS
RICHARD THOMAS GIOVANNONI
ROBERT GARY KELLY
DAVAR KHOSHNEVISAN

ANN MARIE KROHN
SUZANNE DOROTHY LAU
IVOR JOHN JOSEPH LONGO
DEAN MICHAEL MURPHY
ARIEL ABACO NAVARRO
LARRY WILLIAM NEMSICK
WENDY KAY NICHOLAS
BRUCE ALAN PELTZER

CHRISTOPHER JOHN PINTO
ROLF ANDREW RAMELMEIER
NEAL WILLIAM SANSTROM
CATHERINE ANNE SCHEVON
JOSEPH HOWARD SCHONFELD
MICHAEL SIEGENFELD
JOHN FRANCIS WALKER
EDWARD JOSEPH WIEST

Baccalaureate Candidates in the Evening College
Graduating with Honors

HILLEL ABRAMSON
ROBERT GEORGE ALEXANDER
JEANNE CERTEZA ARNOLD
PAULINE S. BILLINGS

KATHLEEN MARIE COARD
MONICA LYNN COLEMAN
SUSAN LYNN CULP

PHILIP EFREM MILCH
SANDRA LEACH MOLYNEAUX
MARGARET KINGSLEY BLACK MOORE

CANDIDATES FOR DEGREES

as of May 9, 1984

A number of the students included in the lists which follow completed their degree requirements earlier in the academic year and could not be present today to receive their degrees in person.

BACHELORS OF ARTS

in The School of Arts and Sciences

Michael Joseph Abele, of Andover, Mass.
Laurie A. Abrams, of Huntingdon Valley, Pa.
David Lawrence Abramson, of Tenafly, N. J.
Dina Lynn Alfin, of Cockeysville, Md.
Gregory Thomas Almony, of Old Zionsville, Pa.
Jeffrey Lee Almony, of Old Zionsville, Pa.
Joanne Rachel Applebaum, of Tenafly, N. J.
Jeffrey Bruce Aronoff, of Baltimore, Md.
Petar Arsenovic, of New York, N. Y.
Sharon Irene Ashley, of Hartsdale, N. Y.
Monica Wendy Lee Atkinson, of Houston, Texas
Joseph Darrel Augustyniak, of Baltimore, Md.
Janine Marie Austin, of Washington, D. C.
Leah Azoulay, of Roslyn, N. Y.
Lucas Baez, of Rio Piedras, Puerto Rico
Richard Jeffrey Bailly, of Boxford, Mass.
David Neil Baker, of Baltimore, Md.
Seth Hunter Baker, of North Hills, N. Y.
Todd A. Baker, of Brick, N. J.
Robert Wayne Balfanz, of Westport, Conn.
Bradley Keith Barazani, of Great Neck, N. Y.
Douglas Warren Baruch, of Potomac, Md.
Neil William Bason, of Washington, D. C.
Robert Drew Basow, of Union, N. J.
Lisa Danielette Benton, of Roselle, N. J.
Andrea Ildiko Berger, of Silver Spring, Md.
David Eric Bernstein, of Merrick, N. Y.
Susan Berstler, of Bridgewater, N. J.
John Paul Bevilacqua, of Ozone Park, N. Y.
Gregory Allan Bezilla, of Princeton, N. J.
Mohit Krisman Bhatnagar, of Gaithersburg, Md.
Steven Bialek, of Bethesda, Md.
Maria-Renee Bianchi, of Larchmont, N. Y.
Veronique Anne Bishop, of Oxon Hill, Md.
Miriam Debra Bloom, of Baltimore, Md.
Stacy M. Blumberg, of Great Neck, N. Y.

Keith Andrew Bockus, of Salt Lake City, Utah.
David Michael Boden, of Nashville, Ark.
Mary Jane Borda, of Brewster, N. Y.
Meri-Jo Borzilleri, of Lake Placid, N. Y.
Howard Robert Bourdages, of Staten Island, N. Y.
Carlton Le Roy Bowers, of Red Lion, Pa.
Ira Jonathan Braunschweig, of Jericho, N. Y.
David Adam Breznick, of Elkins Park, Pa.
Robert Gregg Britanisky, of Atlanta, Ga.
Patrice Lynn Brod, of Manhasset Hills, N. Y.
Gregory George Broikos, of Rochester, N. Y.
Mary Carole Brown, of Bowie, Md.
Allan Frederick Bukowski, of Stevens Point, Wis.
Dolores Geraldine Bulleri, of Staten Island, N. Y.
James Leswing Bumbalo, of Jamestown, N. Y.
Mary Rachel Butler, of Baltimore, Md.
Christopher Anthony Caldarone, of Rumson, N. J.
Earl James Campazzi II, of Edinboro, Pa.
Elizabeth E. Capowski, of Manchester, N. H.
Jonathan Seth Cargan, of Yardley, Pa.
William Watkins Cavers, of Wellesley, Mass.
Dawn Elizabeth Cermak, of Gaithersburg, Md.
Timothy St.G. Chapin, of Stonington, Conn.
Robin Elise Checkla, of Deer Park, N. Y.
Antony S. C. Chen, of Taipei, Taiwan.
Jacqueline Barbara Chen, of Fort Washington, Md.
Danny K. Chun, of New York, N. Y.
Brent Gordon Ciccarone, of Towson, Md.
Vincent Joseph Ciletti, of Baltimore, Md.
Cornelius Joseph Clancy, of Somerset, N. J.
John-Paul Clark, of Titusville, Pa.
Anna Pope Clarke, of King George, Va.
Robert Burness Clayton, of Lincoln, Nebr.
Jeffrey Gerard Comen, of Bel Air, Md.
Kristin Brand Comstock, of Palo Alto, Calif.
Suzanne Elizabeth Conklin, of Butler, N. J.

Thomas Kevin Conrad, of Baltimore, Md.
 Brendan Eamon Conroy, of Allegany, N. Y.
 Richard L. Converse, Jr., of Atlanta, Ga.
 John Frederick Corbin, of Rockville, Md.
 Peter Franklin Corless, of Plymouth, N. H.
 Jennifer Beth Corwin, of Livingston, N. J.
 Patrick Arthur Cosgrove, of Charlotte, N. C.
 Sharon Elizabeth Crane, of Beltington, W. Va.
 Brian George Crotty, of Jackson Heights, N. Y.
 Marc Randall Crowe, of Carlisle, Mass.
 Kyle Wayne Cunningham, of York, Pa.
 Brian Francis Curley, of Harrisburg, Pa.
 Osbert Lewinston Cush, of Barbados, W. I.
 Beryl Catherine Dade, of Orange, N. J.
 John Coleman Darnell, of Prattville, Ala.
 Harry Simeon Davis, of Avenel, N. J.
 Stephen Joseph Davis, of Revere, Mass.
 Thomas Andrew Davis, of Wilmington, Del.
 Gary Charles Davison, of Baltimore, Md.
 Celeste Elizabeth DeBaptiste, of West Chester, Pa.
 Hillary Anne DeChant, of Beachwood, Ohio.
 Jose Rafael Diaz, of Morovis, P. R.
 Heather Lynn Dick, of Lutherville, Md.
 John Joseph Dickerson, of Baltimore, Md.
 Todd W. Dillard, Jr., of Columbia, Md.
 SherrieLynn Catherine Dixon, of Washington, D. C.
 George Alfred Dodds III, of Brunswick, Ohio.
 William Edward Donohue, of Scarsdale, N. Y.
 Erik Mark Dressel, of Parkville, Md.
 Mark Robert Drews, of St. James, N. Y.
 Stephen Martin Dubin, of Baltimore, Md.
 Roderick Emerson Duhaney, of Washington, D. C.
 David Michael Dumas, of East Dennis, Mass.
 Jeffrey Harding Dunn, of Silver Spring, Md.
 Joel David Eichler, of Short Hills, N. J.
 Steven Bruce Eisenberg, of Valley Stream, N. Y.
 Aladraine Iilene Ellis, of East Lansing, Mich.
 John Harold Ellman II, of Laurel, Md.
 Douglas Jay Ende, of Princeton, N. J.
 David Yan Eng, of New York, N. Y.
 Elizabeth Wharton Evans, of Portland, Maine.
 Nnamdi Kalu Ezera, of East Lansing, Mich.
 Thomas Francis Fagan, of Philadelphia, Pa.
 Julie Helen Farr, of Miami Beach, Fla.
 Joshua N. Feinman, of New York, N. Y.
 Linda Jean Felch, of Morristown, N. J.
 Douglas Andrew Fellman, of Rockville, Md.
 Kathleen Nelle Fenton, of Silver Spring, Md.
 Eve Sophia Ferdman, of New York, N. Y.
 Robert Allen Feuerstein, of Fort Lee, N. J.
 Eric Mitchell Fink, of South Salem, N. Y.
 Lawrence Raymond Fink, of Clifton, N. J.
 Anthony Edwards Fiore, of Bethany Beach, Del.
 Edmund Barak Fisher, of Bowie, Md.
 Fitz-John Carr Fitzpatrick, of Thurmont, Md.
 Renee Beth Flax, of Lynbrook, N. Y.
 Valerie Margaret Floyd, of Randallstown, Md.
 Colin Patrick Flynn, of New York, N. Y.
 Annette Guadalupe Folgueras, of Ellicott City, Md.
 Barry Marc Forman, of Rockaway Beach, N. Y.
 Leighton Hugh Forrester, of Silver Spring, Md.
 Arthur H. Fox, of New York, N. Y.
 David Anthony Franchina, of Plainview, N. Y.
 Maureen Emily Freed, of Salt Lake City, Utah.
 Hilary Mac Ritchie Freer, of Arlington, Va.
 Joel Gary Freitag, of Brooklyn, N. Y.
 Richard Lawrence Fried, of Rockville, Md.
 Mindy Ellen Fuchs, of West Lafayette, Ind.
 Mark Anthony Fusco, of Ridgewood, N. J.
 Donna Lynn Gaffney, of Bethpage, N. Y.
 Paul Arthur Garlinghouse, of Dickinson, Texas.
 Joseph Vincent Gatti, of Saddle River, N. J.
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 Gary Martin Rackson, of Baltimore, Md.
 Donald S. Ruhl, of Baltimore, Md.; B.S.M.E. University of Maryland, 1974.
 Edward Eugene Scheitlin, of Linthicum, Md.; A.A. Catonsville Community College, 1982.
 Lawrence Russell Senes, of Jarrettsville, Md.
 Dudley Frederick Shelor, of Woodstock, Md.; A.A. Catonsville Community College, 1973.
 Ronald James Smith, of Catonsville, Md.; A.A. Community College of Beaver, Colorado, 1973; B.S. University of Pittsburgh, 1975.
 Pierre Stoermer, of Baldwin, Md.
 Edward N. Thuku, of Pikesville, Md.
 Arunas Antanas Vaskys, of Crownsville, Md.
 Justino Macuto Vega, of Columbia, Md.; B.S. Feati University, 1964; A.S.C.E. Guam University, 1972.
 Clifton O. Wallace, Jr., of Baltimore, Md.
 Lawrence John Walsh, of Baltimore, Md.; B.A. St. Mary's University, 1963.
 Frank Wright Williams, of Baltimore, Md.
 Anthony Louis Young, of Baltimore, Md.; A.A. Catonsville Community College, 1978.

PERFORMERS CERTIFICATE

in The Peabody Conservatory of Music

Mark David Reis, of Cincinnati, Ohio. Viola.
 Vernele Marie Steingass, of Baltimore, Md. French Horn.
 Barry C. Trent, of Jarrettsville, Md. Bassoon.
 Ephriam Wolfolk, Jr., of Pittsburgh, Pa. Double Bass.

BACHELORS OF MUSIC

in The Peabody Conservatory of Music

Tia Ann Antonsen, of Ketchikan, Alaska. French Horn and Music Education.
 Amy Louise Begg, of West Hartford, Conn. Violoncello.
 Jennifer Beil, of Grosse Pointe Farms, Mich. Harp.
 Walter Jeffrey Bernard, of Charlotte, N.C. Violoncello.
 Kirk Evan Billet, of Marietta, Pa. Composition.
 Michael Thomas Britt, of Baltimore, Md. Organ.
 Carol Cavey-Dowling, of Baltimore, Md.; B.A. University of Maryland, 1974. Voice.
 E-Lian Chen, of Beijing, People's Republic of China. Piano.
 Mark Kennerly Clinton, of Bowie, Md. Piano.
 Nathan Kind Currier, of Providence, R.I. Piano.
 Anna Maria Patricia de Freitas, of North Baldwin, N.Y. Flute.
 Christopher Dobbins, of Staten Island, N.Y. Violoncello.
 Darryl Samuel Durham, of Greensboro, N.C. Clarinet.
 Mira Rose Folus, of Randallstown, Md. Violoncello.
 Melanie Leigh Ford, of Tampa, Fla. Violin.
 Katharine E. Gossman, of Fort Walton Beach, Fla. Piano.
 Joseph Gottesman, of Lindenhurst, N.Y. Viola.
 Richard Peter Gustamachio, of East Hartford, Conn. Music Education.
 Allison Marie Guest, of La Jolla, Calif. Violin.
 Mary Alice Harrison, of Lexington, Ky. Viola.
 Susan Nanette Hayes, of Springington, Md. Flute.
 Jillienne Hazlehurst, of Huntington Beach, Calif. Violin.
 Ann Patrice Homann, of Waverly, Ill. Oboe.
 Caroline J. Hong, of Orange, Calif. Piano.
 Jung-Eun Kang, of Seoul, Korea. Violoncello.

Laurel Emiline Marie Karlik, of Toronto, Ontario, Canada. Piano.
 Thomas Kaurich, of Columbus, Ohio. Piano.
 Curtis George Kueker, of West Chicago, Ill. Viola.
 Lisa Gail Leaverton, of Davis, Calif. Violin.
 Ann Ying-Yuan Lee, of Voorhees, N.J. Music Education.
 Jin Kyung Lee, of Buenos Aires, Argentina; Diploma, Conservatorio Nacional de Musica, Bs. As., Argentina, 1981. Violin.
 Soojin Lim, of Iselin, N.J. Piano.
 Mark Markham, of Pensacola, Fla. Piano.
 Michael Louis Mermagen, of Havre de Grace, Md. Violoncello.
 Karen A. Moratz, of Ithaca, N.Y. Flute.
 Leslie Elizabeth Neighbor, of Oakland, Calif. Flute.
 Mark Jonathan Paris, of Brookhaven, Pa.; B.A. Muhlenberg College, 1980. Voice.
 Donna Jane Pierce, of Wilkes-Barre, Pa.; B.S. King's College, 1980. Voice.
 Nairi Kredian Poochikian, of Silver Spring, Md. Violin.

Stephen Naeson Prutsman, of Yucaipa, Calif. Piano.
 Shari K. Raynor, of Tampa, Fla. Piano.
 Pamela M. Reit, of Williston, Vt. Violin.
 Kimberlee Joy Rohloff, of Moorestown, N.J. Guitar.
 David Lowell Solem, of Lanham, Md. Piano.
 Vernelle Marie Steingass, of Baltimore, Md. Music Education.
 Sharon Lynn Sutherland, of Highland, N.Y. Clarinet.
 Linda Carol Sutton, of Greensboro, N.C. Music Education.
 Gregory Alan Taboloff, of Oakland, Calif. Piano.
 Giocille Marie Terenzio, of Stamford, Conn. Piano.
 Barry C. Trent, of Jarrettsville, Md. Music Education.
 John Paul Turk, of Mobile, Ala. Trumpet.
 Richard Andrew Vikstrom, of Chicago, Ill. Violin.
 Howard R. Wallace, of Beachwood, Ohio. Lute.
 James Wile, of Baltimore, Md. Music Education.
 Sonya Wooten, of Baltimore, Md. Music Education.
 Kimberly Sue Wynia, of Great Falls, Mont. Piano.
 Andrea Michelle Yannone, of Middletown, Pa. Viola.
 Ester Yu, of Sumatera Utara, Indonesia. Piano.

ASSOCIATES OF ARTS in The Evening College

Theresa Ayd Knott, of Towson, Md.

ASSOCIATES OF SCIENCE in The Evening College

Julie Marie Allen, of Baltimore, Md.
 Samuel Edward Arbuthnot III, of Baltimore, Md.
 Dennis Henry Coster, of Baltimore, Md.
 Lance Martin David, of Glen Rock, Pa.; A.S.T. Electronic Institute, 1976.
 Jean D. Gaylord-Person, of Baltimore, Md.
 Brian George Keggins, of Glen Burnie, Md.
 Michael Anthony Lamont, of Relay, Md.

Ricky Craig Matlak, of Baltimore, Md.
 Louis Albert Mattes, of Glen Burnie, Md.
 William W. McKeithan, of Baltimore, Md.
 Frank Edward Morel, of Baltimore, Md.; A.A. Catonsville Community College, 1981.
 Louis Ruppert Robinson, Jr., of Baltimore, Md.
 Richard W. Rochfort, of Baltimore, Md.

BACHELORS OF SCIENCE in The Evening College

Hillel Abramson, of Baltimore, Md. Psychology.
 Robert George Alexander, of Baltimore, Md. Social Sciences.
 Susan Pamela Andrews, of Sykesville, Md. Nursing.
 Jeanne Certeza Arnold, of Baltimore, Md. Management/Leadership.
 Sally Sweet Bashaar, of Towson, Md. Management/Leadership.

Pat Clark Battle, of Columbia, Md. Social Sciences.
 Pauline Stevens Billings, of Lutherville, Md. Management/Leadership.
 Daniel Joseph Bolgiano, of Baltimore, Md. Management.
 John Purviance Bousal, Jr., of Oxford, Md. Psychology.
 Mary Simpson Bonsal, of Baltimore, Md. Social Sciences.
 Theresa Davison Briley, of Baltimore, Md. Management/Leadership.

- Melanie Marie Buchanan, of Perryville, Md.; A.D.N. Harford Community College, 1982. Nursing.
- Kathleen Tracy Coard, of Lutherville, Md. Social Sciences.
- Monica Lynn Coleman, of Baltimore, Md. General Business.
- Lynda Suzan Collins, of Baltimore, Md. Nursing.
- Elizabeth Suzanne Leone Connors, of Lutherville, Md. Nursing.
- Judith Donaldson Covern, of Riva, Md.; A.A. Anne Arundel Community College, 1979. Liberal Studies.
- Susan Lynn Culp, of Baltimore, Md. Nursing.
- Barbara Kay Davis, of Baltimore, Md. Nursing.
- Patricia Mary Dreisbach, of Baltimore, Md. History.
- Holly Shaw Dugan, of Baltimore, Md. Psychology.
- Paul Louis Dukehart, of Westminster, Md. Management.
- Joan E. Dwyer, of Baltimore, Md. Nursing.
- Judith Rachel Egerton, of Reisterstown, Md. Mathematics.
- Carol Dagenhardt Eurice, of Cockeysville, Md. English & World Literature.
- Gilbert William Evans, of Baltimore, Md. Accounting.
- Nadine Louise Fontan, of Baltimore, Md. Life Sciences.
- Irene Julie Gladfelter, of Ellicott City, Md. General Business.
- Benjamin B. Goldstein, of New Freedom, Pa. Social Sciences.
- David Gross, of Brooklyn, N.Y. Life Science.
- Linda J. Grossi, of Reisterstown, Md. Management.
- Roslyn Miller Hyman, of Baltimore, Md. English & World Literature.
- Kazimier Joseph Ignatavicius, of Baltimore, Md. Management/Leadership.
- Angela Maria Johnson, of Glen Burnie, Md.; A.A. Villa Julie College, 1977. Management.
- Fawn Roach Jones, of Columbia, Md. Management/Leadership.
- Thomas Arthur Kelly, Jr., of Stevensville, Md. Accounting.
- Arthur Roland Kohne, of Baltimore, Md. Management.
- Robert L. Larkin, of Baltimore, Md. Social Sciences.
- Lorraine Layfield, of Baltimore, Md. Life Sciences.
- Michael G. Loverde, of Baltimore, Md. Psychology.
- William Edward Matthews, Jr., of Baltimore, Md. Mathematics.
- Semyon Mikhailovich, of Baltimore, Md. Political Science.
- Philip Efreem Milch, of Baltimore, Md. Political Science.
- Sharon Kane Molander, of Baltimore, Md.; A.A. Community College of Baltimore, 1971. General Business.
- Sandra Leach Molyneaux, of Baltimore, Md.; A.A. Georgetown Visitation Junior College, 1956. English & Literature.
- Margaret Kingsley Black Moore, of Lutherville, Md. Liberal Studies.
- Beatrice Li Morris, of Baltimore, Md. Nursing.
- Jessie Belle Nelson, of Columbia, Md.; A.A. Community College of Baltimore, 1975. Management/Leadership.
- Rosalie Elizabeth Parker, of Baltimore, Md. Political Science.
- Lynn Case Plack, of Baltimore, Md. Nursing.
- Susanne L. Maennik Ridenour, of Baltimore, Md. Liberal Studies.
- Daria Marie Rovinski, of Ellicott City, Md. Nursing.
- John Baker Schneeman, Jr., of Baltimore, Md. Accounting.
- John Charles Simon, Jr., of Baltimore, Md.; M.L.A. The Johns Hopkins University, 1972; C.A.S.L.A., 1973; M.Ed., 1974; C.A.S.E., 1975; M.S., 1978. Mathematics.
- Robert Thomas Swank, of Baltimore, Md.; Social Science.
- Carol Rebecca Swersky, of Owings Mills, Md.; A.A. Catonsville Community College, 1982. Psychology.
- R. Roxanna Thompson, of Baltimore, Md.; A.A. Anne Arundel Community College, 1974. Psychology.
- William Edward Wade, of Columbia, Md. Management/Leadership.
- Judy Lynn Walter, of Baltimore, Md. Management/Leadership.
- Francis Kenneth Wible, Jr., of Baltimore, Md.; A.S. The Johns Hopkins University, 1981. Management.
- Jennifer Clark Wilson, of Baltimore, Md. General Business.

BACHELORS OF SCIENCE IN ENGINEERING

in The Evening College

- Rickey Layne Anderson, of Falling Waters, W.Va. Mechanical.
- Michael Paul Brailsford, of Fallston, Md. Mechanical.
- Edward Lee Dudley, of Baltimore, Md.; A.A. Community College of Baltimore, 1979. Industrial.
- Kenneth Ray Kinsey, of Baltimore, Md.; B.S.L.A. Rutgers University, 1973. Civil.
- Christopher Stephen Petroski, of Baltimore, Md. Electrical.
- Patrick John Reilly, of Pasadena, Md. Mechanical.
- Richard Steven Wagman, of York, Pa. Electrical.

MASTERS OF SCIENCE

in The Evening College

- Deborah Ann Abdow, of Kensington, Md.; B.S. University of Wisconsin, 1978. Education.
- Daniel Alan Acton, of State College, Pa.; B.S.S.E. United States Naval Academy, 1977. Computer Science.
- Permelia Mae Addison, of Temple Hills, Md.; B.S. Norfolk State College, 1975. Urban Planning and Policy Management.
- Gordon Bruce Andrews, of Columbia, Md.; M.S. Carnegie-Mellon University, 1978; M.S. The Johns Hopkins University, 1981. Electrical Engineering.
- Bonny Rene Andreychuk, of Baltimore, Md.; B.S. Towson State University, 1978. Education.
- Syed Abdul Aziz, of Gaithersburg, Md.; M.S. University of Karachi, 1978. Electrical Engineering.
- Robert Andrew Bechhofer, of Baltimore, Md.; B.T.L. Yeshivat Sha'abrim Rabbinical College, 1981. Education.
- Anne Patricia Beck, of Towson, Md.; M.S. Loyola College, 1976. Education.
- Jerri Lea Benner, of Bethesda, Md.; B.A. State College, Lock Haven, Pa., 1972. Applied Behavioral Science.
- Richard Henry Berich, of Reisterstown, Md.; B.S. Lehigh University, 1973. Urban Planning and Policy Management.
- Bernhard David Birnbaum, of Baltimore, Md.; B.A. Loyola College, 1980; B.T.L. Ner Israel Rabbinical College, 1980. Education.
- June Mary Blair, of Reisterstown, Md.; B.A. University of Maryland at Baltimore County, 1978. Education.
- Lindsey Leigh Bock, of Cockeysville, Md.; B.S. Boston University, 1978. Education.
- James Peter Brandt, of Baltimore, Md.; B.S.E.E. University of Maryland, 1979. Electrical Engineering.
- Bonnie Wohl Bricker, of Columbia, Md.; B.S. University of Maryland, 1976. Education.
- Susan Elizabeth Brown, of Columbia, Md.; B.S.N. State University of New York, 1972. Education.
- Barbara Jo Bruce, of Baltimore, Md.; B.S. Pennsylvania State University, 1978. Education.
- Robert Cabel Bruce, Jr., of Ellicott City, Md.; B.A. University of Maryland, 1978. Education.
- Carol Jean Brzezinski, of Columbia, Md.; B.A. University of Maryland, 1978. Education.
- Alice Reynolds Byer, of Brookeville, Md.; B.A. Marshall University, 1964. Education.
- Elizabeth Jane Cadwalader, of Baltimore, Md.; M.A.T. Fairleigh Dickinson, 1975. Education.
- Catherine A. Carew, of Baltimore, Md.; B.S.N. University of Maryland, 1975. Education.
- Mary Elizabeth Chenoweth, of Baltimore, Md.; B.S. Towson State University, 1968; M.Ed., 1976. Education.
- Elaine Manieri Chiariello, of Baltimore, Md.; B.S. Towson State University, 1976. Education.
- Te-Lin Chow, of Gaithersburg, Md.; M.S. Tsing Hua University, 1970. Computer Science.
- Linda Ann Clarke, of Bel Air, Md.; B.S. The Johns Hopkins University, 1980. Education.
- Sandra Jo Coker, of Columbia, Md.; B.S. University of Maryland, 1974. Education.
- Karol Sandra Costa, of Baltimore, Md.; B.A. Clark University, 1965. Education.
- Jeanne Miriam Donnenberg Culiner, of Baltimore, Md.; B.S. State University of New York, 1976. Education.
- Karen Jean Curlett, of Ruxton, Md.; B.S. California State College, 1973. Education.
- Pamela Easter Dean, of Cumberland, Md.; B.S. Frostburg State College, 1977. Education.
- Ronald Allen Denissen, of Elkridge, Md.; B.S.E. Old Dominion University, 1981. Electrical Engineering.
- Beverly Ball DeVuono, of Laurel, Md.; M.S. Auburn University, 1975. Computer Science.
- William E. DeVuono, of Laurel, Md.; B.S. Pennsylvania State University, 1975. Computer Science.
- Susan Lee Diefenbach, of Bozman, Md.; B.S. Frostburg State College, 1976. Education.
- Bill Zack Dillon, of Annandale, Va.; B.S.E.E. Louisiana State University, 1979. Electrical Engineering.
- William Stribling Dingleline, Jr., of Baltimore, Md.; B.A. University of Virginia, 1973. Education.
- Jennifer Lynne Diven, of California, Md.; B.S. William Jewell College, 1969. Education.

- Dorothy Ann Dobbyn, of Baltimore, Md.; B.S. Towson State University, 1972. Urban Planning.
- Rita Marie Dombroski, of Glen Burnie, Md.; B.A. University of Maryland, 1972. Education.
- Bernice Michelle Donaldson, of Columbia, Md.; B.S. University of Maryland, 1982. Education.
- John Wesley Dorsey, of Baltimore, Md.; B.A. University of Maryland at Baltimore County, 1978. Education.
- Ann Rena du Bois, of Ellicott City, Md.; B.A. Gettysburg College, 1958. Education.
- Alan Dennis Dudderar, of Columbia, Md.; B.A. Western Maryland College, 1980. Computer Science.
- Patricia Anne Dudrow, of Baltimore, Md.; B.F.A. Wittenberg University, 1972. Education.
- Stephanie Kim Ebert, of Baltimore, Md.; B.S. Coppin State College, 1978. Education.
- Patricia Ann Eikenberg, of Baltimore, Md.; B.S. Towson State University, 1975; M.S. The Johns Hopkins University, 1978. Education.
- Elizabeth Ruth Elder, of Baldwin, Md.; A.A. Essex Community College, 1977; B.A. College of Notre Dame of Maryland, 1982. Applied Behavioral Science.
- Irene G. Ellin, of Baltimore, Md.; M.Ed. Loyola College, 1963. Education.
- Penny Fanzone, of Sparks, Md.; B.A. University of Maryland, 1967. Education.
- Carlesa Ramere Finney, of Glen Burnie, Md.; B.S. Towson State University, 1976. Education.
- Maureen Margaret Flanigan, of Baltimore, Md.; Towson State University, 1974. Education.
- William Richard Fleming III, of Arnold, Md.; B.A. Towson State University, 1971. Education.
- Dorothy Elizabeth Fletcher, of Silver Spring, Md.; B.S. University of Maryland, 1983. Education.
- Marcella Ethel Hoff Franczkowski, of Eldersburg, Md.; B.S. University of Maryland, 1978. Education.
- Diane Mallalieu Friedel, of Whiteford, Md.; B.S. The Johns Hopkins University, 1972. Education.
- LeRoy Roger Fundingsland, of Laurel, Md.; B.S. San Diego State University, 1977. Computer Science.
- Michael Galiazzo, of Baltimore, Md.; B.A. Antioch College, 1978. Applied Behavioral Science.
- Robert Howard Gannon, of Pasadena, Md.; B.S.E.E. University of Maryland, 1980. Electrical Engineering.
- Jessica Anne Gardner, of Baltimore, Md.; B.A. Millersville State College, 1974. Education.
- Alicia L. Gill, of Baltimore, Md.; B.S. Towson State University, 1980. Education.
- Shirley Dove Gillespie, of Baltimore, Md.; M.A. University of Iowa, 1956. Education.
- Jan Oberfelder Ginsburg, of Baltimore, Md.; B.A. Dickinson College, 1977. Education.
- Linda Leigh Gitter, of Baltimore, Md.; B.A. Tulane University, 1981. Education.
- Karen Mantua Gladden, of Baltimore, Md.; B.A. Towson State University, 1979. Education.
- Robert Lewis Goan, of Madison, Ala.; B.S.E. University of Tennessee, 1981. Computer Science.
- Harry Randall Goldberg, of Baltimore, Md.; B.A. Franklin and Marshall College, 1978. Education.
- Joy Sue Goldberger, of Baltimore, Md.; B.A. Vassar College, 1975. Education.
- Andrew David Goldfinger, of Baltimore, Md.; B.S. Rensselaer Polytechnic Institute, 1965; Ph.D. Brandeis University, 1972. Education.
- Bonnie Low Goldschmidt, of Baltimore, Md.; B.A. Goucher College, 1971. Applied Behavioral Science.
- Lynn Kahanovitz Goracoff, of Baltimore, Md.; B.S. Towson State University, 1976. Education.
- Sally Chase Gorman, of Baltimore, Md.; B.A. Skidmore College, 1978. Urban Planning and Policy Management.
- Cristy Irvin Graves, of Annapolis, Md.; B.S. Miami University, 1976. Education.
- Dana Wesley Grimes, of Pikesville, Md.; B.A. University of Maryland at Baltimore County, 1981. Computer Science.
- Randall Scott Hammel, of Laurel, Md.; B.S. University of Wisconsin, 1974. Computer Science.
- Mary Loula Hanley-Roffman, of Baltimore, Md.; B.A. Tufts University, 1969; M.S. Morgan State University, 1976. Education.
- Csaba Balint Hanyi, of Towson, Md.; B.S.M.E. The Johns Hopkins University, 1978. Computer Science.
- Mary Pat Harbison, of Rockville, Md.; B.A. Merrimack College, 1971. Education.
- Deborah Susan Hardy-Ribakow, of Catonsville, Md.; B.A. University of Baltimore, 1980. Education.
- Susan Fowble Harr, of Cockeysville, Md.; B.S. University of Maryland, 1975. Education.
- Carolyn Ann Harriger, of Bel Air, Md.; B.A. College of Notre Dame of Maryland, 1967. Education.
- Joy Michele Harvey, of Aberdeen, Md.; B.S. Towson State University, 1976. Education.

- Charles Melvin Hastings, of Annapolis, Md.; B.E.E. Georgia Institute of Technology, 1974. Electrical Engineering.
- Daniel David Hibbert, of Baltimore, Md.; B.S. Towson State University, 1981. Urban Planning and Policy Management.
- Joanna Arlene Hicks, of Lutherville, Md.; B.S. Ohio State University, 1970. Education.
- Peggy Turner Holden, of Lutherville, Md.; B.S. The Johns Hopkins University, 1983. Education.
- Linda Arleen Houk, of Forest Hill, Md.; B.S.N. Russell Sage College, 1973. Education.
- Janice T. Hubbard, of Annapolis, Md.; B.S. Trenton State College, 1977. Education.
- Stephen Joseph Hunter, of Bel Air, Md.; B.S. Frostburg State College, 1977. Computer Science.
- Beth Ireland, of Baltimore, Md.; B.A. University of Pittsburgh, 1971. Applied Behavioral Science.
- Deborah Marie Johnson, of Baltimore, Md.; B.S. Bowie State College, 1980. Education.
- Marian Virginia Johnson, of Owings Mills, Md.; B.A. College of Notre Dame of Maryland, 1979. Applied Behavioral Science.
- Alexander Miles Joncas, of Elkridge, Md.; B.A. Northern Michigan University, 1970. Education.
- Helen A. Jump, of Dinwiddie, Va.; B.S. Salisbury State College, 1946. Education.
- Patricia Myles-Hunkin Kaiser, of Baltimore, Md.; B.S. Case Western Reserve, 1975. Education.
- Joyce Shemer Keating, of Baltimore, Md.; B.A. Boston University, 1965. Applied Behavioral Science.
- Marian Sanford Keith, of Baltimore, Md.; B.S. University of Virginia, 1976. Education.
- Gwendolyn Q. Kellam, of Baltimore, Md.; B.A. Antioch University, 1979. Education.
- Patricia Jo Kelly, of Baltimore, Md.; A.A. Anne Arundel Community College, 1974; B.S. The Johns Hopkins University, 1979. Education.
- Mark Allan Kely, of Baltimore, Md.; B.S.E. University of Cincinnati, 1975. Computer Science.
- Janice Anne King, of Silver Spring, Md.; B.S. University of Maryland, 1978. Education.
- Debra Lynn Kitzman, of Baltimore, Md.; B.S. Towson State University, 1979. Education.
- Anastasia Stephanu Kosmides, of Baltimore, Md.; B.S. Towson State University, 1980. Education.
- Amelia Jane Davis Krebs, of Baltimore, Md.; B.S. University of Maryland, 1977. Education.
- Sharon Butala Kurkis, of Ferndale, Md.; B.S. Medical College of Virginia, 1980. Education.
- Bridget Patrick Lacey, of Baltimore, Md.; B.S. Towson State University, 1979. Education.
- Margaret Miller Lashbrook, of Newark, Del.; B.A. Marywood College, 1978. Education.
- Sandra Block Leavey, of Owings Mills, Md.; B.S. Towson State University, 1976. Education.
- Randy Thomas Lee, of Manassas, Va.; A.S. Lincoln Technical Institute, 1976; B.S. Capitol Institute of Technology, 1978. Computer Science.
- Lawrence Levinson, of Columbia, Md.; M.S. George Washington University, 1969. Applied Behavioral Science.
- Marcia Shenker Levy, of Dunwoody, Ga.; B.S. Ohio University, 1968. Education.
- Adrienne Jenkins Lichting, of Columbia, Md.; B.S. Towson State University, 1975. Education.
- Betty Ann Linthicum, of Glen Burnie, Md.; B.S. Frostburg State College, 1980. Education.
- Thomas Jude Loftus, of Rockville, Md.; B.S.E. University of Maryland, 1980. Electrical Engineering.
- Sally Ann Gall Longinotti, of Burke, Va.; B.S.E. University of Pittsburgh, 1977. Electrical Engineering.
- Katherine Masterson Loughlin, of Columbia, Md.; B.A. Albertus Magnus College, 1965. Education.
- Lisa Rachele Lowe, of Columbia, Md.; B.S. University of Maryland, 1979. Education.
- Heidi Ann Manlich, of Timonium, Md.; B.S. James Madison University, 1979. Education.
- Mary Margaret Stover Marker, of Columbia, Md.; B.A. University of Maryland, 1978. Education.
- Eugene Robert Marshall, of Baltimore, Md.; B.A. Loyola College, 1978. Applied Behavioral Science.
- Laura J. McCarthy, of Sykesville, Md.; B.S.N. College Misericordia, 1974. Applied Behavioral Science.
- Robin Susan McCoy, of Grand Rapids, Mich.; B.S. Towson State University, 1977. Education.
- Gladys C. McCullough, of Columbia, Md.; B.A. Kean College, 1962. Applied Behavioral Science.
- Patrick Joseph McGrath, Jr., of Baltimore, Md.; B.S. The Johns Hopkins University, 1981. Education.
- Shirley McNamara, of Baltimore, Md.; B.S. Morgan State University, 1962; M.S. Ohio University, 1963. Computer Science.
- Michael Bernard McNamee, of Columbia, Md.; B.S.E. Drexel University, 1981. Electrical Engineering.
- Adrien Bien Meskin, of Columbia, Md.; B.A. State University of New York, 1963. Applied Behavioral Science.

- Sally Ann Miller, of Pasadena, Md.; B.S. University of Maryland, 1979. Education.
- Thomas Allen Miller, of Towson, Md.; B.A. La Salle College, 1970. Education.
- Patricia Ann Mittelstadt, of Baltimore, Md.; B.A. Eastern Michigan University, 1980. Education.
- Kim Leigh Molloch, of Crownsville, Md.; B.S. University of Maryland, 1974. Education.
- Gloria Kay Morey, of Brookeville, Md.; B.S. University of Nebraska, 1962. Education.
- Barbara Moore Moseley, of Adelphi, Md.; B.S. Morgan State University, 1960. Computer Science.
- Francis Murray, of Arnold, Md.; B.S. State University of New York, at Oswego, 1976. Education.
- Barbara Jean Nail, of Piney Point, Md.; B.A. St. Mary's College of Maryland, 1981. Education.
- Virginia Hassler Noble, of Columbia, Md.; B.S. Moravia College, 1964. Applied Behavioral Science.
- Robert Charles Novak, of Baltimore, Md.; B.S. University of Maryland, 1974. Applied Behavioral Science.
- Robin Portman Nussbaum, of Baltimore, Md.; B.S. University of Massachusetts, 1973. Education.
- Monica Petrik O'Grady, of Baltimore, Md.; B.S. Towson State University, 1979. Education.
- Mary Joyce Kapsha Panarella, of Olney, Md.; B.S. California State Technical College, 1974. Education.
- Joan Wizearek Peacock, of Millersville, Md.; B.S. University of Maryland, 1973. Education.
- Marshall James Peterson, of Columbia, Md.; B.S.E. Millersville State College, 1970. Education.
- Patricia Foster Porter, of Towson, Md.; B.S. University of Maryland, 1978. Education.
- Aaron Stuart Potler, of Baltimore, Md.; B.S. University of Maryland, 1981. Computer Science.
- Inez Batson Powell, of Baltimore, Md.; B.S. Morgan State University, 1971; M.S., 1980. Education.
- Mary Kathleen Prenger, of Annapolis, Md.; B.A. Bethany College, 1979. Education.
- Ann Vagianos Price, of Abingdon, Md.; B.A. Johnson State College, 1975. Education.
- Barbara Ann Pulket, of Cockeysville, Md.; B.S. Towson State University, 1979. Education.
- Jan Lauren Radtke, of Columbia, Md.; B.S.N. University of Maryland, 1969. Applied Behavioral Science.
- Douglas James Rahikka, of Columbia, Md.; B.S. Rutgers University, 1976. Electrical Engineering.
- Mona A. Razzak, of Timonium, Md.; B.A. Towson State University, 1981. Education.
- Ruth Elaine Rice, of Baltimore, Md.; B.S. Lebanon Valley College, 1968. Education.
- Dianna Rogers, of Baltimore, Md.; M.Ed. Coppin State College, 1972. Education.
- Kathleen Marie Rogers, of Towson, Md.; B.S. Towson State University, 1978. Education.
- James Post Rosenkrans, Jr., of Adamstown, Md.; B.C.E. Rensselaer Polytechnic Institute, 1958; Ph.D., 1963; M.S. The Johns Hopkins University, 1981. Computer Science.
- Joan Marie Rothgeb, of Prince George's County, Md.; B.S. University of Maryland, 1979. Education.
- Mary Alice Counselman Rowley, of Margate, Fla.; B.A. University of Maryland, 1976. Education.
- Marcia Griffin Russell, of Columbia, Md.; A.A. Bradford College, 1967; B.S. Wheelock College, 1969. Education.
- Richard Philip Russell, of Baltimore, Md.; B.S. Towson State University, 1977. Education.
- Beth Binn Sachs, of Silver Spring, Md.; B.S. Towson State University, 1977. Education.
- Isabel Palanear Sainz, of Baltimore, Md.; D.D.S. Universidad De La Havana, 1960. Education.
- Arthur Craven Sanders, of Severn, Md.; B.E.E. University of Delaware, 1978. Electrical Engineering.
- Neil Leslie Sass, of Columbia, Md.; B.S. Wake Forest College, 1966; M.S. West Virginia University, 1969; Ph.D., 1971. Applied Behavioral Science.
- Janie Leola Saulsbury, of Baltimore, Md.; B.S. Coppin State College, 1963. Applied Behavioral Science.
- Robert William Schaefer, of Baltimore, Md.; B.F.A. Maryland Institute, 1973. Education.
- Ellen Small Schapiro, of Baltimore, Md.; B.A. University of Maryland, 1976. Applied Behavioral Science.
- Gail Diane Schlosser, of Owings Mills, Md.; B.M. East Carolina University, 1976. Education.
- Howard Calvert Schoeberlein, of Severna Park, Md.; B.S. Towson State University, 1975. Electrical Engineering.
- Deena Lyn Schrauder, of Baltimore, Md.; A.A. Community College of Baltimore, 1970; B.A. University of Baltimore, 1979. Education.
- Vickie Davis Schwager, of Randallstown, Md.; B.A. Brooklyn College, 1978. Education.
- Donna Jean Sewell, of Baltimore, Md.; B.A. University of Maryland at Baltimore County, 1974; A.A. Essex Community College, 1977. Education.
- Steven Lee Shadel, of Laurel, Md.; B.A. Shippensburg State College, 1979. Computer Science.
- Jini Lisa Shapiro, of Englewood, N.J.; B.S. Syracuse University, 1980. Education.

- Therese Mary Bernadette Silvent, of Laurel, Md.; B.S. University of Scranton, 1980. Computer Science.
- Deborah Ann Silverman, of Baltimore, Md.; B.A. Trinity College, 1979. Urban Planning and Policy Management.
- Sylvia Abrahams Sklar, of Baltimore, Md.; B.A. Antioch College, 1978. Education.
- Anna DiFabio Smith, of Columbia, Md.; B.A. Antioch College, 1978. Education.
- Ellen Sachs Spak, of Baltimore, Md.; B.S. Towson State University, 1961. Education.
- Ann-Marie Paulishen Spakowski, of Perry Hall, Md.; B.S. Southern Connecticut State College, 1973. Education.
- Jeanne Alison Stadel, of Ellicott City, Md.; B.Ed. University of Michigan, 1975. Education.
- Eileen Frances Startt, of Baltimore, Md.; B.S. Coppin State College, 1976. Education.
- Deborah L. Strauss, of Annapolis, Md. Education.
- Bernadette Christel Stephenson, of Hollywood, Md.; B.S. Virginia Commonwealth University, 1981. Education.
- Melody Ann Stevens, of Havre De Grace, Md.; M.Ed. Towson State University, 1972. Education.
- Patricia Ann Kathleen Stull, of Severna Park, Md.; B.S. Saint Joseph's College, 1977. Education.
- Sharon Ann Cook Sweder, of Millers, Md.; B.S. The Johns Hopkins University, 1983. Applied Behavioral Science.
- Elizabeth Talbot-Sanders, of Columbia, Md.; M.S. City University of New York, 1974. Applied Behavioral Science.
- Ann Elizabeth Tanis, of College Park, Md.; B.S. University of Maryland, 1975. Education.
- Nancy Carol Tennant, of Columbia, Md.; B.S. University of Maryland, 1976. Education.
- Deborah Eaton Thackston, of Frederick, Md.; B.A. Hood College, 1979. Education.
- Linda Mae Thomas, of Baltimore, Md.; B.S. Towson State University, 1978. Education.
- Darlene Boyd Tucker, of Baltimore, Md.; B.S. Virginia State College, 1974. Education.
- Brenda Denise Uzzle, of Baltimore, Md.; B.S. Coppin State College, 1975. Education.
- Susan Jaue Vaeth, of Baltimore, Md.; B.S. Towson State University, 1980. Education.
- Joseph Vincent Valvano, of Columbia, Md.; B.E. Stevens Institute of Technology, 1980. Electrical Engineering.
- Nancy Waite Vogel, of Reisterstown, Md.; B.S. Radford College, 1970. Education.
- Jerina V. Wainwright, of Baltimore, Md.; B.S. Coppin State College, 1978. Education.
- Shirley Ross Walden, of Brookeville, Md.; B.S. University of Minnesota, 1962. Education.
- Virginia Mary Walsh, of Washington, D.C.; B.S. Pennsylvania State University, 1976. Education.
- Patricia Dillion Watson, of Washington, D.C.; M.A. Catholic University of America, 1958. Education.
- Barbara Marie Watson-Barnett, of Baltimore, Md.; B.S. Augustana College, 1974. Education.
- Virginia Lee West, of Potomac, Md.; B.S. University of Maryland, 1977. Education.
- Jacqueline Bell Westmoreland, of Glen Burnie, Md.; A.A. Community College of Baltimore, 1977; B.A. University of Maryland at Baltimore County, 1980. Applied Behavioral Science.
- Carol Jean Wheatley, of Baltimore, Md.; B.S. Virginia Commonwealth University, 1976. Education.
- Donald Kemater White, Jr., of Ellicott City, Md.; M.S.E. University of Michigan, 1978. Electrical Engineering.
- Steven John Willats, of Baltimore, Md.; B.S. United States Naval Academy, 1972. Computer Science.
- Margherite Wilson Williams, of Baltimore, Md.; B.S. The Johns Hopkins University, 1980. Applied Behavioral Science.
- Michael Anthony Willis, of Baltimore, Md.; B.S. Bradley University, 1974. Education.
- Deborah Clare Wills, of Braddock Heights, Md.; B.A. Hood College, 1978. Education.
- Robert Edgar Wilson, of Baltimore, Md.; A.A. Essex Community College, 1972; B.S. University of Baltimore, 1982. Education.
- Enid Ludovici Wood, of Silver Spring, Md.; B.A. Elmira College, 1980. Education.
- Michelle Gail Yale, of Ellicott City, Md.; B.S. University of Delaware, 1979. Education.
- Larue Yaskowitz, of Ellicott City, Md.; M.Ed. Indiana University of Pennsylvania, 1970. Education.
- Paul Ermin-Anthony Zancanaro, of Baltimore, Md.; B.A. University of Detroit, 1979; M.A. University of Windsor, Canada, 1981. Education.

MASTERS OF EDUCATION

in The Evening College

Marsha Ann Buterbaugh, of Baldwin, Md.; B.S. University of Maryland, 1971; M.S. The Johns Hopkins University, 1978.

Carolyn Newman Cobb, of Baltimore, Md.; B.S. Coppin State College, 1974.

John Anthony Purgiel, of Columbia, Md.; B.A. Western Michigan University, 1975.

MASTERS OF LIBERAL ARTS

in The Evening College

- Newton Franklin Adkinson, Jr., of Baltimore, Md.; M.D. The Johns Hopkins University, 1969.
- Brian David Aldrich, of Glen Burnie, Md.; B.A. University of Maryland, 1981.
- Edward Elmer Ambrose III, of Baltimore, Md.; B.S. University of Baltimore, 1972.
- Kathleen Breiter Becker, of Baltimore, Md.; B.A. Frostburg State College, 1971.
- Margaret Elaine Berry, of Baltimore, Md.; B.S. East Carolina University, 1976.
- Lester Steven Bevil, of Glen Burnie, Md.; B.S. University of Maryland, 1977.
- Patricia Gail Blackburn, of Baltimore, Md.; B.S. Towson State University, 1973.
- Lillian Hinde Burgunder, of Baltimore, Md.; B.S. The Johns Hopkins University, 1980.
- Richard Cole Burke, of Baltimore, Md.; Bach. Univ. Studies University of New Mexico, 1973.
- Ann Hayden Cavanaugh, of Jamaica Plains, Mass.; B.A. University of Maryland, 1976; B.S.N. Creighton University, 1978.
- Linda Michaels Chandlee, of Baltimore, Md.; B.A. Lake Erie College, 1974.
- Sandra Wallace Coleman, of Baltimore, Md.; B.S. Towson State University, 1974.
- Daphne Penelope Vaciliou Di Brandi, of Baltimore, Md.; B.A. The American College of Greece, 1980.
- Theresa Maureen Fahey, of Baltimore, Md.; B.A. Towson State University, 1973.
- Katherine Alma Deckert Fuller, of Jarrettsville, Md.; B.A. Hood College, 1968.
- Mary Frances Gamewell, of Baltimore, Md.; B.A. Towson State University, 1970; M.S., 1975.
- Mary Kathryn Glunz, of Towson, Md.; B.A. College of Notre Dame of Maryland, 1973.
- Karen Kelberman Goertler, of Columbia, Md.; B.A. University of Maryland, 1976.
- Deborah Ann Gulas, of Columbia, Md.; B.S. University of Maryland, 1979.
- John Henry Harrison, of Pasadena, Md.; B.S. Towson State University, 1974.
- Allen Eugene Johnson, of Towson, Md.; B.A. LaSalle College, 1971.
- Lynne Lewis Jones-Bateman, of Baltimore, Md.; B.S. Towson State University, 1981.
- Kathleen Mary Lazo, of Towson, Md.; B.A. Lebanon Valley College, 1978.
- Julia Kirsten Lehnert, of Baltimore, Md.; B.A. Goucher College, 1978.
- A. Zoland Leishear, of Lutherville, Md.; B.A. College of Notre Dame of Maryland, 1971.
- Ellen Arlene Luchinsky, of Baltimore, Md.; B.A. University of Maryland at Baltimore County, 1975.
- Gregory William Mank, of Delta, Pa.; B.A. Mount St. Mary's College, 1972.

- Ursula Eland McCracken, of Baltimore, Md.; B.A. Wellesley College, 1963.
- Kwesi Mfume, of Baltimore, Md.; B.S. Morgan State University, 1976.
- Elaine Fischer Miller, of Baltimore, Md.; B.A. University of Baltimore, 1981.
- Elaine Myers Miller, of Baltimore, Md.; B.S. The Johns Hopkins University, 1979.
- Robert Janney Morton, of Chicago, Ill.; M.A.T. George Washington University, 1977.
- Pamela Elizabeth Nevel, of Baldwin, Md.; B.S. Towson State University, 1974.
- Kenneth Parker, of Laurel, Md.; B.A. University of Maryland, 1972.
- Debra Jackson Perrone, of Baltimore, Md.; B.A. University of Manchester, 1975.
- Constance Root Platt, of Baltimore, Md.; B.S. The Johns Hopkins University, 1981.
- Allen B. Rosskopf, of Stewartstown, Pa.; B.S. Towson State University, 1973.
- Thomas Robert Russo, of Towson, Md.; B.S. University of Maine, 1963.
- Jane McCleary Saral, of Baltimore, Md.; B.A. Duke University, 1965.
- Theresa Marie Ségreti, of Baltimore, Md.; B.H. Pennsylvania State University, 1976.
- Gerard Joseph Shorb, of Baltimore, Md.; B.A. University of Baltimore, 1977.
- Ruth Elaine Sundermeyer, of Baltimore, Md.; B.A. St. Olaf College, 1956; M.L.S. University of Wisconsin, 1961.
- Sharon Elaine Van Aller, of Baltimore, Md.; B.S. Bucknell University, 1981.
- Linda Sue Watermeier, of Bel Air, Md.; B.A. Western Maryland College, 1978.
- Melvin John Widomski, of Baltimore, Md.; A.A. Essex Community College, 1978; B.S. The Johns Hopkins University, 1981.
- Janice Duncan Woodburn, of Ellicott City, Md.; B.A. West Virginia University, 1969.
- Daniel Zirpoli, of Towson, Md.; B.S. Villanova University, 1968.

MASTERS OF ADMINISTRATIVE SCIENCE in The Evening College

- Gerd Hans Ahrens, Jr., of Silver Spring, Md.; B.A. St. Mary's College of Maryland, 1982.
- Mary A. Alberts, of Baltimore, Md.; B.A. University of Iowa, 1977.
- Karen Lux Ankerbrandt, of Manassas, Va.; B.A. Emmanuel College, 1974.
- Rebecca Applebaum, of Columbia, Md.; B.S. University of Maryland, 1969.
- Margaret Anne Ardolino, of Timonium, Md.; B.S.N. Towson State University, 1975.
- Kevin Lewis Armstrong, of Lima Peru; M.S. The Johns Hopkins University, 1980.
- Larry Gene Bailey, of Baltimore, Md.; B.B.A. National University, 1980.
- John Robert Baker, Sr.; of Clarksville, Md.; B.S. Loyola College, 1975.
- Joe Baros, Jr., of Catonsville, Md.; B.S.E.T. Capitol Institute of Technology, 1980.
- William Ellis Beavers, Jr., of Silver Spring, Md.; B.S.E. The Johns Hopkins University, 1973.
- Frank Melville Behegan, of Linthicum, Md.; B.A. St. Mary's College of Maryland, 1982.
- John Michael Bevilacqua, of Baltimore, Md.; B.S. University of Baltimore, 1972.
- Anne C. Blakeslee, of Towson, Md.; B.S. The Johns Hopkins University, 1981.
- Irene G. Blum, of Baltimore, Md.; B.S. Towson State University, 1963.
- Ellen Bolenge-Bongeli, of Adelphia, Md.; B.A. Indiana University, 1971.
- M. Ayub Jamalbhai Bora, of Laurel, Md.; B.Com. Bombay University, India, 1975; L.L.B., 1978.
- George David Bournazian, of Baltimore, Md.; B.S. Clarkson College of Technology, 1978.
- Mostefa Djamel Boussouf, of Mila, Algeria; B.S. University of Constantine, 1975; M.C.E. Catholic University of America, 1981.

- Adeana Mishan Brandinger, of Columbia, Md.; B.S. State University of New York, 1975.
- Emma Gertrude Burdeaux, of Baltimore, Md.; B.A. Loyola College, 1980.
- Dennis Dale Burns, of Millersville, Md.; B.A. Grand Rapids Baptist College, 1976.
- Jane Elizabeth Callaghan, of Baltimore, Md.; B.S.N. Georgetown University, 1972; M.S. The Johns Hopkins University, 1978.
- Lacena Rustin Carson, of Baltimore, Md.; B.A. Yale University, 1975.
- James Reginald Chapman, of Silver Spring, Md.; B.S. University of Virginia, 1975.
- John Linward Chasse, of Columbia, Md.; M.S.E.E. University of Maryland, 1971.
- Chung Po Cheng, of Cockeysville, Md.; M.S. University of Minnesota, 1973.
- James Harry Coleman, of Hampstead, Md.; B.S. Baltimore College of Commerce, 1971.
- Gene John Corini, of Pasadena, Md.; B.S. Villanova University, 1976.
- Sabina Gorzoch Corini, of Pasadena, Md.; B.S. Villanova University, 1977.
- Paula Jean Fedorka Cray, of Baltimore, Md.; B.S. Pennsylvania State University, 1979; M.S. North Dakota State University, 1981.
- Diane Yvonne Delozier, of York, Pa.; A.I.E. Pennsylvania State University, 1969; B.S.E., 1974.
- Joanne Mattson DeVoe, of Baltimore, Md.; B.S.N. Cornell University, 1960; M.L.A. The Johns Hopkins University, 1972.
- Lawrence James Dorsch, of Evans City, Pa.; B.A. American University, 1979.
- Barbara Marie Dreyfus, of Baltimore, Md.; B.M. Peabody Institute of The Johns Hopkins University, 1981.
- Jeffrey D. Dunaway, of Severna Park, Md.; B.S. Towson State University, 1982.
- James Thomas Dwyer III, of Baltimore, Md.; B.A. The Johns Hopkins University, 1979.
- Kenneth Allen Eisenhart, of York, Pa.; B.S. York College, Pennsylvania, 1980.
- Jerry Salvatore Estacci, of Baltimore, Md.; B.A. University of Colorado, 1978.
- Adam Richard Fein, of Timonium, Md.; B.S. Syracuse University, 1979.
- Norman F. Finnance, of Baltimore, Md.; B.H.S. Duke University, 1977; B.S. Delaware Valley College, 1974.
- Frederick Thomas Fisher, of Shrewsbury, Pa.; B.A. University of Maryland, 1978.
- James William Folk, of Baltimore, Md.; B.A. University of Maryland, 1973.
- Rodney I. Friedland, of Randallstown, Md.; B.S. University of Maryland, 1981.
- Robert Paul Gaudette, of Stevensville, Md.; B.A. University of Maryland at Baltimore County, 1978.
- Michael Vincent Gentile, of Glen Burnie, Md.; B.S. Adelphi University, 1971.
- Marianne Rogers Gerardi, of Baltimore, Md.; B.S.N. University of Maryland, 1975; M.P.H. The Johns Hopkins University, 1981.
- Maria Christine Wiberley Goglia, of Reisterstown, Md.; B.S. St. Joseph College, 1973.
- Priscilla Adams Goode, of Ellicott City, Md.; B.A. Texas A. & M. University, 1976.
- Michelle Suzanne Goodman, of Catonsville, Md.; B.A. University of Maryland at Baltimore County, 1980.
- Louis William Goodmuth III, of Ellicott City, Md.; B.S. Carnegie-Mellon University, 1979.
- Darlene Green, of Baltimore, Md.; B.A. Loyola College, 1982.
- Howard S. Greenberg, of Baltimore, Md.; B.A. Temple University, 1972; M.A. Columbia University, 1975.
- Ellen Sewell Grossman, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1978.
- Eric Robert Gundlach, of Baltimore, Md.; B.A. Hampshire College, 1977.
- David Brian Haug, of New Windsor, Md.; B.S. Frostburg State College, 1977.
- Patricia Ann Heady, of Jessup, Md.; B.A. University of Colorado, 1978.
- Joseph Hefter, of Baltimore, Md.; B.T.L. Ner Israel Rabbinical College, 1981.
- Rachel McCollum Hendrickson, of Baltimore, Md.; B.A. Barnard College, 1974; M.A. Columbia University, 1976.
- Richard Hergenroeder, of Baltimore, Md.; B.S.C.E. Drexel University, 1978; M.S.C.E., 1982.
- Jeffrey Charles Hild, of Ellicott City, Md.; B.S. Towson State University, 1980.
- Leo Leroy Himmel, of Littlestown, Pa.; B.S. The Johns Hopkins University, 1979.
- Martha Ruth Hommack, of Baltimore, Md.; B.A. Hood College, 1977; M.S. The Johns Hopkins University, 1980.
- Dale E. Hope, of Catonsville, Md.; B.A. University of Maryland, 1968.

- Gay Bowen Hull, of Raleigh, N.C.; B.A. Ohio State University, 1974.
- Michelle McKenna Hundt, of Cockeysville, Md.; B.A. Rutgers University, 1977.
- Robert Bruce Imre, of Columbia, Md.; B.B.A. James Madison University, 1981.
- Joseph Paul Jacobs, of Baltimore, Md.; M.A. University of Maryland, 1981.
- Deloris Bell Johnson, of Baltimore, Md.; B.S. State University of New York, 1966.
- Theodore Albert Johnson, Jr., of Owings Mills, Md.; B.A. Pennsylvania State University, 1977.
- Ralph Andrew Jordan, of Columbia, Md.; B.S. Millersville State College, 1974.
- Jack J. Kaminski, of Towson, Md.; B.S. Indiana University 1972.
- Sister Mary Dominic Karwacki, R.S.M., of Towson, Md.; M.S. University of Maryland, 1965.
- Joseph Peter Katrick, of Joppa, Md.; B.S. Lehigh University, 1973.
- Katherine Kylus Kay, of Randallstown, Md.; B.S. Mount Saint Mary's College, 1981.
- Holly Leigh Bennett Kent, of Baltimore, Md.; B.S. Towson State University, 1979.
- James Lyon Kingman, of New Freedom, Pa.; B.S. University of Akron, 1972.
- Shelley Simons Korch, of Baltimore, Md.; B.A. Tufts University, 1973.
- Georgiana Marie Koska, of Baltimore, Md.; B.S.N. College of St. Benedict, 1978.
- Joanne King Kraft, of Baltimore, Md.; B.S. The Johns Hopkins University, 1979.
- John Joseph Lacsny, of Baltimore, Md.; B.S. University of Dallas, 1975.
- Susan Marple Lang, of Newark, Del.; B.A. Glassboro State College, 1969; M.A. Central Michigan University, 1979.
- Lowell Alcott Larsson, of Baltimore, Md.; B.S. Virginia Polytechnic Institute, 1973.
- Rosemary Patricia Leonard, of Baltimore, Md.; B.A. University of Maryland, 1976.
- Carl George Lietzau, of Baltimore, Md.; B.S. The Johns Hopkins University, 1977.
- Philip Warren Lintner, of Columbia, Md.; B.S. University of Kentucky, 1974.
- Michaelene Patricia Llewellyn, of Baltimore, Md.; B.S.N. D'Youville College, 1971.
- Deborah Anne Mackey, of Baltimore, Md.; B.A. Morgan State University, 1972; M.S. The Johns Hopkins University, 1976.
- Stephen Patrick Mackin, Jr., of Columbia, Md.; B.A. University of Pittsburgh, 1975.
- Henry James MacLaughlin, of Ellicott City, Md.; B.S. United States Naval Academy, 1970.
- Raj Kamal Malhotra, of Columbia, Md.; B.S.E. Southern Illinois University, 1974.
- Steven Paul Manger, of Baltimore, Md.; B.S. University of Maryland, 1976.
- Sharon Murphy Markiewicz, of Arnold, Md.; B.S. University of Tennessee, 1979.
- Anna Maria Marzullo, of Baltimore, Md.; B.M. Peabody Institute of The Johns Hopkins University, 1981.
- Margaret B. May, of Miami, Fla.; B.B. Western Illinois University, 1980.
- Lesley Scott McDonald, of Madison, Wis.; B.A. University of Winnipeg, Canada, 1974.
- Sarah Martha McKinnon, of Columbia, Md.; B.A. Western Maryland College, 1947.
- Terry L. McNair, of Columbia, Md.; B.A. Baylor University, 1973.
- Joseph Eugene Mentzell, of Mount Airy, Md.; A.A. Catonsville Community College, 1976; B.S. University of Baltimore, 1978.
- Mark Andrew Mentzer, of Pasadena, Md.; M.S.E.E. University of Delaware, 1981.
- Sarah Lancaster Millbrook, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1972; M.L.A. The Johns Hopkins University, 1977.
- Mark Thomas Miller, of Baltimore, Md.; B.S. University of Baltimore, 1980.
- Philip J. Miller, of Columbia, Md.; B.S. The Johns Hopkins University, 1967; Ph.D. University of Maryland, 1971.
- Phyllis R. Miller, of Baltimore, Md.; Ph.D. University of Maryland, 1973.
- Eleanor Kirby McManus Moffat, of Timonium, Md.; B.A. Princeton University, 1978.
- Elizabeth Clark Moore, of Laurel, Md.; B.S. University of Georgia, 1976.
- Mary Wheatley Moss, of Columbia, Md.; B.S. University of Maryland, 1974.
- Cheryl Lynn Mott, of Ferndale, Md.; B.S. Towson State University, 1980.
- Louis Alan Naviasky, of Baltimore, Md.; B.A. University of Maryland, 1982.

- Michael Francis Nevins, of Arnold, Md.; B.S. United States Naval Academy, 1970.
- Gloria Mae Newton, of Baltimore, Md.; B.S. Coppin State College, 1976.
- Peter James Nicotri, of Reisterstown, Md.; B.A. Dartmouth College, 1972.
- Glenn Lawrence Northup, of Bethesda, Md.; B.S. Virginia Polytechnic Institute, 1979.
- Richard Alan Oliver, of Bel Air, Md.; B.S. Loyola College, 1969; M.S., 1972.
- Christine Aleta Olson, of Arnold, Md.; M.L.S. University of Maryland, 1976.
- Leslie Arthur Orledge, of Freeland, Md.; B.S. Pennsylvania State University, 1977; B.A., 1977.
- Thomas Sterling Osmanski, of St. Charles, Ill.; B.S. Washington College, 1963.
- Arthur Neal Owens, Jr., of Baltimore, Md.; B.A. Wesleyan University, 1969.
- Joan Mae Pankey, of Timonium, Md.; B.A. Michigan State University, 1975.
- Ruth Elaine Parry, of Baltimore, Md.; B.A. Washington College, 1974; M.A. Connecticut College, 1981.
- Laura Lee Paschall, of Cockeysville, Md.; B.A. Goucher College, 1981.
- Cecelia Coltrane Petro, of Arnold, Md.; B.A. University of Maryland, 1971.
- Joanne T. Pipkin, of Baltimore, Md.; B.A. Goucher College, 1980.
- George Oliver Provencher, of Suffield, Conn.; A.A. Diablo Valley College, 1969; B.A. California State University, 1974.
- Shelly Patricia Pumphrey, of Timonium, Md.; B.A. University of Maryland at Baltimore County, 1979.
- Cynthia Evelyn Rallo, of Baltimore, Md.; B.S. Towson State University, 1979.
- Richard Lynn Reese, of Linthicum, Md.; B.A. Sacramento State College, 1960.
- Linda M. Resh, of Columbia, Md.; B.S. Towson State University, 1976.
- Sonja D. Rockman, of Baltimore, Md.; M.A. Brown University, 1972.
- David Anthony Rowse, of Baltimore, Md.; B.S. Georgia Institute of Technology, 1980.
- Deborah Ellen Rybczyk, of Columbia, Md.; B.S. University of Maryland, 1979.
- Tara Melanie Sachs, of Baltimore, Md.; B.S. University of Maryland, 1980.
- Jonathan Edward Sage, of Baltimore, Md.; B.S. Frostburg State College, 1972.
- Robin K. Sandmark, of Baltimore, Md.; B.F.A. Maryland Institute, 1975.
- Dorothy Elaine Sauer, of Timonium, Md.; B.A. Towson State University, 1975.
- Donald R. Schmincke, of Elkridge, Md.; B.S. Massachusetts Institute of Technology, 1980.
- Barbara Siegfried Scissors, of Ellicott City, Md.; B.A. University of Missouri, 1975.
- Lawrence Seiler, of Laurel, Md.; B.S. New Jersey Institute of Technology, 1978.
- Sheila Marie Sferrella, of Baltimore, Md.; B.S. University of Maryland, 1979.
- Robert Warren Sheesley, of Towson, Md.; M.H.S. The Johns Hopkins University, 1979.
- Howard Raymond Simkin, of Spring Lake, N.C.; B.S. Towson State University, 1976.
- Dana Ann Slater, of Baltimore, Md.; B.A. University of New Hampshire, 1979.
- Duane Michael Smith, of Baltimore, Md.; B.S. Merchant Marine Academy, 1974.
- Kenneth Alan Smith, of Severna Park, Md.; B.A. Grove City College, 1980.
- Lynn Eden Smith, of Baltimore, Md.; M.A.T. University of Chicago, 1973.
- Robert Bentley Smith, of Columbia, Md.; B.S. Morgan State University, 1965.
- Marguerite Weinkam Sonneborn, of Baltimore, Md.; B.A. Mt. St. Agnes College, 1969.
- Alan Michael Sonnenleiter, of Reisterstown, Md.; B.A. Bridgewater College, 1972.
- Russell Lee Speck, of Milltimber, Scotland.
- Milford H. Sprecher, of Saint Michaels, Md.; B.A. Western Maryland College, 1973.
- Arlayne S. Stark, of Towson, Md.; M.A. Goddard College, 1978.
- Charles K. Stark, Jr., of Baltimore, Md.; B.S. University of Maryland, 1973.
- Donna Cecilia Startzel, of Cockeysville, Md.; B.A. College of Notre Dame of Maryland, 1970.
- Arlene Hahn Stephenson, of Columbia, Md.; B.A. Glassboro State College, 1978.
- Dean E. Sterling, of Columbia, Md.; B.S. University of Pittsburgh, 1979.
- Elizabeth Ann Stickel, of Cockeysville, Md.; B.S. University of Maryland, 1981.

- Stuart Mason Stigall, of Catonsville, Md.; B.S. Virginia Commonwealth University, 1969.
- Charlotte Mabel Stubbs, of Baltimore, Md.; B.S. Towson State University, 1978.
- Carmen Nigaglioni Suarez, of Ellicott City, Md.; B.A. College of Notre Dame of Maryland, 1981.
- John Craven Taylor, of Columbia, Md.; B.S. The Johns Hopkins University, 1982.
- Dennis Hugh Thompson, of Gambrills, Md.; B.A. University of Maryland, 1967.
- Sudhir M. Trivedi, of Baltimore, Md.; M.A. University of Scranton, 1971.
- William Ludwig Trzeczak, of Columbia, Md.; B.S. University of Pittsburgh, 1975.
- Lecia Ann Turcotte, of Baltimore, Md.; B.A. University of Maine, 1977.
- Warren Anthony Turner, of Baltimore, Md.; B.S. Morgan State University, 1970.
- Elaine Kolarik Urbanski, of Baltimore, Md.; B.A. Loyola College, 1980.
- Patricia Thompson Utterback, of Columbia, Md.; B.S.N. University of Wisconsin, 1977.
- Larry Lambro Vakoutis, of Lutherville, Md.; B.S. University of Baltimore, 1981.
- Albert David Valente, of Catonsville, Md.; B.A. University of Maryland at Baltimore County, 1976.
- Santa Theodora Vinci, of Baltimore, Md.; B.A. Chatham College, 1980.
- Jody Ann Vinzant, of Skaneateles, N.Y.; B.A. Moravian College, 1980.
- Susan Marie Walko, of Baltimore, Md.; B.S. Towson State University, 1976.
- James John Waller, of Baltimore, Md.; B.S. Towson State University, 1979.
- Ronald Eugene Wilhelm, of Parkton, Md.; B.S. University of Baltimore, 1973; J.D., 1977.
- Leila Galvao Williamson, of Baltimore, Md.; M.S. Virginia Polytechnic Institute, 1975.
- Colleen Roe Wilson, of Ontario, Canada.
- Denise Marie Wilson, of Baltimore, Md.; B.A. Goucher College, 1976.
- Joan Ellen Worrall, of Phoenix, Md.; A.A. Essex Community College, 1970; B.S. Towson State University, 1979.
- Brian William Wright, of Reisterstown, Md.; B.A. Gettysburg College, 1971.
- Suzanne Karen Young, of Cockeysville, Md.; B.A. University of Denver, 1975.
- Tacye Ann Young, of Baltimore, Md.; B.M.E. Peabody Conservatory of Music, 1975.
- Karen Ellen Zanetti, of Timonium, Md.; B.A. Towson State University, 1972.
- Wilma Jeanne Zimmerman, of Baltimore, Md.; B.A. Goucher College, 1964.

CERTIFICATES OF ADVANCED STUDY

in The Evening College

- Priscilla Ann Baden, of Baltimore, Md.; B.A. Maryland College, 1970; M.A. St. John's University, 1972.
- Irene Elizabeth Black, of Baltimore, Md.; B.A. University of Washington, 1977; M.S. The Johns Hopkins University, 1980.
- Joan M. Bowen, of Memphis, Tenn.; M.Ed. Cleveland State University, 1971.
- Catherine Mary Cannou, of Yeaden, Pa.; M.A. West Chester State College, 1978.
- Charlotte Marie Centenze, of Cherry Hill, N.J.; M.A. Central Michigan University, 1976.
- Nikki Possident Cole, of Baltimore, Md.; M.Ed. Loyola College, 1977.
- Margaret Artigiani Englar, of Gaithersburg, Md.; B.A. Western Maryland College, 1956; M.L.A. The Johns Hopkins University, 1965.
- Cheryl Lea Flater, of Timonium, Md.; B.A. Northeastern University, 1971; M.L.A. The Johns Hopkins University, 1975.
- Dale Michael Johnson, of Baltimore, Md.; B.S. Frostburg State College, 1972; M.S. Morgan State University, 1979. Education.
- Sharon Anne Harris, of Baltimore, Md.; B.S. City University of New York, 1976; M.Ed. University of Pittsburgh, 1977.
- Elizabeth Rosenfeld Kahn, of Baltimore, Md.; B.S. The Johns Hopkins University, 1974; M.S., 1979.

Paul Charles Kriewald, Jr., of Millersville, Md.; B.A. University of Maryland, 1972; M.Ed. The Johns Hopkins University, 1975.

John Peter Linton, of Columbia, Md.; B.A. Kalamazoo College, 1969; M.A.T. Harvard University, 1970.

Dolores Rose Marchesano, of Bryn Mawr, Pa.; M.A. Villanova University, 1975.

Alice Marie O'Melia, of Baltimore, Md.; M.A. Columbia University, 1965.

Fred Charles Smith, of Baltimore, Md.; B.S. University of Baltimore, 1971; M.Ed. Coppin State College, 1975.

Lorie Lynn Smith, of Laurel, Md.; M.Ed. University of Maryland, 1979.

MASTERS OF MUSIC

in The Peabody Conservatory of Music

Phyllis R. Amendola, of West Haven, Conn.; B.M. Western Connecticut State College, 1981. Piano.

Gina Barbini, of Scranton, Pa.; B.A. Towson State University, 1978. Piano.

Christine Mary Bezat, of Santa Rosa, Calif.; B.A. Winona State College, 1971; B.M. Peabody Conservatory of Music, 1980. Music History and Literature.

Mussorgsky's Nationalism and Stravinsky's Russian Style.

Raj Bhupendrakumar Bhimani, of Canoga Park, Calif.; B.A. Pomona College, 1982. Piano.

William C. Billingham, of Syracuse, N.Y.; B.M. Oberlin College Conservatory of Music, 1982. Piano.

Howard Ralph Carr, of Springfield, Va.; B.M. Peabody Conservatory of Music, 1982. Voice.

Hyun Suk Choi, of Toledo, Ohio; B.M. Peabody Conservatory of Music, 1983. Piano.

Choi Jin Yeo, of Seoul, Korea; B.M. Hanyang University, 1980. Piano.

Peter Frank Collins, of New Orleans, La.; B.M. Peabody Conservatory of Music, 1982. Piano.

Francois Creux, of Genthod, Switzerland; Diploma Conservatory of Neuchatel, 1978; Virtuosity, 1979. Piano.

Mark A. Cromer, of Columbia, S.C.; B.M. Peabody Conservatory of Music, 1980. Guitar.

Carolyn Marie Dill, of Fairfax, Va.; B.M. George Mason University, 1982. Voice.

Daniel Alexander Doescher, of Saratoga Springs, N.Y.; B.M. Ithaca College, 1979. Oboe.

Darry L. Dolezal, of Lawrence, Kan.; B.M. University of Kansas, 1982. Violoncello.

Michael W. Dowdle, of St. Louis, Mo.; B.M. University of Kansas, 1982. Composition.

James Robert Edward, of Norfolk, Va.; B.S. Old Dominion University, 1976. Organ.

Christina Ann Eide, of Westerville, Ohio; B.M. Capital University, 1982. Piano.

Bradley Alan Foil, of Liverpool, N.Y.; B.M., B.M.Ed. Ithaca College, 1979. French Horn.

Susan Elisabeth Avery Gray, of Baltimore, Md.; B.A. Mary Washington College, 1980. Harp.

Kazuo Haga, of Sapporo, Hokkaido, Japan; Diploma Nagoya University of Arts, 1981. Piano.

Robert Haskins, of Roanoke, Va.; B.M. Peabody Conservatory of Music, 1982. Piano.

Thomas Aquinas Hecht, of Baltimore, Md.; B.M. Oberlin College Conservatory of Music, 1981. Piano.

David S. Iskowitz, of Metuchen, N.J.; B.M. Peabody Conservatory of Music, 1981. Piano.

James David Jackson, of Rye, N.Y.; B.A. Amherst College, 1980. Instrumental Conducting.

Mary Davis Karol, of North Canton, Ohio; B.M. St. Mary's College, 1981. Piano.

Raffi Jacques Kasparian, of Chatsworth, Calif.; B.M. California State University at Northridge, 1982. Piano.

John David Kennedy, of Columbus, Ohio; B.M. Capital University, 1979; B.A., 1981. Piano.

Robert Paul Mathews, of Oklahoma City, Okla.; B.M.Ed. St. Mary's University, 1975; M.M. University of Texas at San Antonio, 1979. Composition.

Kathryn Evoline McConnell, of Napanee, Ontario, Canada; B.M. Queen's University, 1980. Voice.

Susan Panagini McKeithen, of Baltimore, Md.; B.M. Peabody Conservatory of Music, 1982. Guitar.

Paul Alan Mori, of Santa Barbara, Calif.; B.A. Westmont College, 1977. Bassoon.

Robert Lloyd Nance, Jr., of Williamsburg, Va.; B.M. DePauw University, 1982. Instrumental Conducting.

Patricia A. Noonan-Krawczyk, of Cleveland, Ohio; B.M. University of Akron, 1982. Viola.

- Marcia Beth Plait, of Springfield, Va.; B.M. University of North Carolina, 1982. Voice.
- Pamela Jo Prater, of Pueblo, Colo.; B.M. University of Colorado, 1982. Piano.
- Ruth Rose, of Lima, Peru; B.M. Peabody Conservatory of Music, 1983. Piano.
- Amy Rosser, of Federalsburg, Md.; B.M. Peabody Conservatory of Music, 1980. Harpsichord.
- Marianne L. Rousseau, of Lowell, Mass.; B.M. University of Lowell, 1981. Guitar.
- Talia Erna Schiff, of New York, N.Y.; B.M. Boston University, 1980. Violoncello.
- Kevin Donald Smith, of Middletown, N.J.; B.A. Dickinson College, 1982. Instrumental Conducting.
- Richard Louis Spittel, of Baltimore, Md.; B.S. Towson State University, 1976. Bassoon.
- Susan Dean Taylor, of Annapolis, Md.; B.M. Peabody Conservatory of Music, 1975. Music Education.
- David Ray Thacker, of Roanoke, Va.; B.M. James Madison University, 1981. Violin.
- Li-Chuan Wang, of Tainan, Taiwan; Diploma Shih-Shian College, Taiwan, 1980. Piano.
- Harry Leonard Williams, of Millersville, Md.; B.M. Peabody Conservatory of Music, 1983. Composition.
- Walter Michael Yatta, of Central City, Pa.; B.A. Edinboro State College, 1982. Organ.

ARTIST DIPLOMA

in The Peabody Conservatory of Music

- D. Thomas Arnold, of Columbia, Mo.; B.M.E. Central Methodist College, 1979; M.M. University of Missouri-Columbia, 1982. Voice.

MASTERS OF SCIENCE

in The School of Hygiene and Public Health

- Jerrold Andrew Adkins, of Tacoma Park, Md.; B.S. University of Florida, 1980. Environmental Health Sciences.
Linear Programmed Thermal Degradation Mass Spectrometry:
- I. *Bacillus subtilis* Peptidoglycan and Related Compounds
 - II. *Salmonella* Lipopolysaccharide, Lipid Extract, and Related Compounds
 - III. Bacterial Cell Walls: *Salmonella* and *Bacillus*
- Robert D. Bronstein, of Edison, N.J.; A.B. Colgate University, 1981. Population Dynamics.
Estradiol-Induced Changes in Progesterone Production by Rabbit Luteal Cells are Associated with Quantitative Ultrastructural Changes InVivo.
- Vicki Lynn Burt, of Baltimore, Md.; M.L.A. The Johns Hopkins University, 1979; B.S. University of Maryland, 1973. Biostatistics.
Variance Estimation for a Stratified Multistage Example in the Analysis of the Health Care Experience of Primary Individuals.
- Donna Marie Bush, of Baltimore, Md.; B.S. Loyola College, 1976; M.S. University of Maryland, 1980. Environmental Health Sciences.
Structure Activity Relationships and Tissue Specificities of Plasticizers.
- Oona M. R. Campbell, of Baltimore, Md.; B.Sc. American University of Beirut, 1981. Epidemiology.
A Study of Risk Factors for Ectopic Pregnancy.
- Royston Emanuel Clifford, of Kingston, Jamaica; B.Sc. Morgan State University, 1965; M.D. University of Brussels, 1973. Health Policy and Management.
Medical Legal Investigation in Jamaica and Future Trends.
- Linda Ann Cocchiarella, of Sunnyside, N.Y.; B.Sc. University of Michigan, 1978. Epidemiology.
A Descriptive Study of Semen Quality and Lifestyle Factors.
- Elizabeth Lyon Cox, of Pulaski, Va.; B.S. University of Richmond, 1981. Biostatistics.
The Bilateral Poisson Distribution with an Application to Visual Acuity.

- Diane McFadden Flynn, of Glassboro, N.J.; B.S. Richard Stockton State College, 1981. Epidemiology.
Prognostic Factors for Survival in Chronic Lymphocytic Leukemia.
- Lisa Aronson Friedman, of Silver Spring, Md.; B.A. Oberlin College, 1981. Biostatistics.
Alcohol Consumption and CHD Mortality in the Framingham Study.
- Joanne Marie Gravell, of Chelmsford, Mass.; B.S. University of Massachusetts, 1977. Health Policy and Management.
The Ripple Effect in a Breast Self-Examination Education Program.
- Anne Cathy Gross, of Lawrence, N.Y.; B.S. University of Vermont, 1977. Epidemiology.
Evidence of Genetic Component in Familial Aggregation Sarcoidosis.
- Laurie S. Liskin, of Baltimore, Md.; M.A. University of Virginia, 1974; B.A. University of Rochester, 1971. Health Policy and Management.
Lifting Injuries among Nursing Employees.
- Lisa M. Mele, of Springfield, Pa.; B.S. Drexel University, 1978. Epidemiology.
Examination of the Randomization Strategies Used in Two Clinical Trials.
- Nancy Pregar, of Baltimore, Md.; B.S. Pennsylvania State University, 1977. Health Policy and Management.
The Use of Educational Strategies in the Management of Hypertension: A Needs Assessment of Physicians in Montgomery County, Maryland.
- Ellen S. Radish, of Douglaston, N.Y.; B.A. Vassar College, 1980. Population Dynamics.
Household and Family Characteristics of Young Mothers.
- Eric Andrew Ross, of Hatboro, Pa.; B.A. University of Delaware, 1980. Biostatistics.
Changes in Obstetrical Practices and Infant Mortality. New York State.
- Edward Lawrence Salvo, of Charleston, S.C.; B.S. The College of Charleston, 1980. Biostatistics.
A Statistical Description of Nutrient Flux Rates of the Patuxent River of Maryland.
- Sharon Ann Spitz, of Pittsburgh, Pa.; B.S. Pennsylvania State University, 1979. Biochemistry.
Solid-Phase Synthesis of Oligonucleoside Methylphosphorates and Their Effects on In Vitro Tran.
- Katherine Parker Yates, of Clarksville, Md.; B.A. Western Maryland College, 1974. Biostatistics.
The Design of Occupational Studies to Assess the Effects of Low Level Exposure to Ionizing Radiation.

MASTERS OF HEALTH SCIENCE

in The School of Hygiene and Public Health

- Benedictus G. Ajayi, of Ibadan, Nigeria; M.B., B.S. University of Ibadan, 1973. International Health.
- Joan Carol Arizini, of Havertown, Pa.; B.S. Ursinus College, 1976. Biostatistics.
- Somsangun Ausayakhun, of Rajburi, Thailand; M.D. Chiang Mai University, 1977. International Health.
- Sherrie Leann Borden, of York, Pa.; B.S. Alderson-Broadus College, 1977. Health Policy and Management, Health Planning and Administration.
- Robin Jean Brocato, of Baltimore, Md.; B.A. University of Maryland at Baltimore County, 1982. Health Policy and Management, Health Planning and Administration.
- Wayne Gregory Butscher, of Baltimore, Md.; B.S. University of Connecticut, 1979. Immunology and Infectious Diseases, Tropical Public Health.
- Daniel Joseph Caldwell, of Joppa, Md.; B.S.E.H. East Tennessee State University, 1976; M.S.B.A. Boston University, 1981. Environmental Health Sciences, Occupational Safety and Health.
- Karen Inez Cavanaugh, of Erie, Pa.; B.S.F.S. Georgetown University, 1980. International Health.
- Wun-Ling Chang, of Riyadh, Saudi Arabia; B.A. The Johns Hopkins University, 1982. International Health.
- Richard Meredith Cochnar, of Silver Spring, Md.; B.S. University of Maryland, 1981. Environmental Health Sciences, Radiation Health Sciences.
- Pamela G. Edison, of Chicago, Ill.; B.A. Wesleyan University, 1979. Health Policy and Management, Health Planning and Administration.
- Tovah Jane Eisen, of Ridgewood, N.J.; B.A. Simmons College, 1982. Health Policy and Management, Health Planning and Administration.
- Elizabeth Ann Elliott, of Pottsville, Pa.; B.A. Goucher College, 1965; M.Ed. Pennsylvania State University, 1969. Epidemiology.
- Amy L. Erhardt, of New Brunswick, N.J.; B.S. Rutgers University, 1980. Epidemiology.

- Paul A. Esposito, of Glen Burnie, Md.; B.S. State University of New York, 1978. Environmental Health Sciences, Occupational Safety and Health.
- K. Frieda Fisher, of Makakilo, Hawaii; B.S. Colorado State University, 1981. Environmental Health Sciences, Occupational Safety and Health.
- Victoria Lynn Fontenot, of Norfolk, Va.; B.S. Old Dominion University, 1979. Health Policy and Management, Health Planning and Administration.
- Mark D. Grauer, of Park Ridge, Ill.; B.S. Denison University, 1978. Environmental Health Sciences, Radiation Health Sciences.
- James Phillip Hadley, of Glyndon, Md.; B.S. Denison University, 1973; M.A. Bradley University, 1978. Health Policy and Management, Health Planning and Administration.
- Thomas A. Hall, of Port Hueneme, Calif.; B.A. University of California, 1976. Environmental Health Sciences, Occupational Safety and Health.
- Vivian Guy Hawley, of Apia, Western Samoa, D.S.M. Fiji School of Medicine, 1973. International Health.
- Alfred K. Hinderer, of Sindelfingen, Germany; Ph.D. University of Stuttgart, 1972. Environmental Health Sciences, Occupational Safety and Health.
- Yuh-Chin Huang, of Tainan, Taiwan, Republic of China; B.M. National Taiwan University, 1983. Environmental Health Sciences, Environmental Health.
- Ellen Leigh Iscoe, of Austin, Texas; B.A. Brown University, 1980. Mental Hygiene.
- Nancy Anne Kelly, of Alexandria, Va.; B.A. University of Virginia, 1977. Maternal and Child Health.
- Vikram Khanna, of Schenectady, N.Y.; B.S. State University of New York, 1979; B.S. Hahnemann University, 1982. Health Policy and Management, Health Planning and Administration.
- Linnæa Kristine Sandberg Knisel, of Mullica Hill, N.J.; B.A. The Johns Hopkins University, 1982. Health Policy and Management, Health Planning and Administration.
- Debra Jean Kuchka, of Berwick, Pa.; B.A. Lehigh University, 1982. Health Policy and Management, Health Planning and Administration.
- Anthony Kwan, of Brookline, Mass.; A.B. Cornell University, 1981. Environmental Health Sciences, Occupational Safety and Health.
- Chuan-Li Luo, of Peking, China; M.D. Peking Medical College, 1960. International Health.
- Susan Ann Maloney, of New City, N.Y.; B.S. Bucknell University, 1982. Health Policy and Management, Health Planning and Administration.
- Norma Jean Medina, of Sao Paulo, Brazil; M.D. Universidade Federal De Mato Grosso Do Sul, 1980. International Health.
- Eric Warren Nickens, of Washington, D.C.; B.S. Howard University, 1976. Health Policy and Management, Health Planning and Administration.
- Vincent C. N. Okoye, of Ibadan, Nigeria. Immunology and Infectious Diseases, Tropical Public Health.
- Chet Raj Pant, of Uchchakot, Doti, Nepal; M.B.B.S. Mysore University, 1972; M.D. All India Institute of Medical Sciences, 1981. International Health.
- Christie Lynne Parker, of Tallahassee, Fla.; B.S. University of Florida, 1982. Health Policy and Management, Operations Research.
- Donna Jeanne Petersen, of Williamsville, N.Y.; B.A. Drew University, 1981. Maternal and Child Health.
- Mphu Keneiloe Ramatlapeng, of Maseru, Lesotho; M.D. Kharkou Medical School, 1979. International Health.
- Rossina Lydia A. Ramirez of Bulacan, Phillipines; B.S. University of Phillipines, 1964; M.D. 1969. International Health.
- Robert Michael Rams, of Bowie, Md.; B.S. George Washington University, 1981. Environmental Health Sciences, Occupational Safety and Health.
- William Francis Reed, of West Kingston, RI.; B.A. The Johns Hopkins University, 1981. Environmental Health Sciences, Radiation Health Sciences.
- Eugene Thomas Reimer, Jr., of Baltimore, Md.; B.A. University of Maryland at Baltimore County, 1982. Environmental Health Sciences, Radiation Health Sciences.
- Melinda J. Rhodes, of Washingtonville, N.Y.; B.S. State University of New York, 1981. Epidemiology, Human Genetics.
- Nancy Kaiulani Rice, of Dallas, Texas; A.B. Stanford University, 1981. International Health.
- Francis Patrick Rooney, of Troy, N.Y.; B.S. Clarkson College of Technology, 1982. Environmental Health Sciences, Occupational Safety and Health.
- Jessica Thoreau Sandler, of Philadelphia, Pa.; B.A. Harvard University, 1979. Environmental Health Sciences, Occupational Safety and Health.
- Robin Win Steitz, of Columbus, Texas; B.A. Fort Lewis College, 1982. Health Policy and Management, Health Planning and Administration.
- Carolyn Lillian Stine, of Baltimore, Md.; B.A. American University, 1982. Health Policy and Management, Health Planning and Administration.

Scott Michael Sylvester, of Alexandria, Va.; B.A. Tulane University, 1982. Health Policy and Management, Health Planning and Administration.

Yui-Lin Tang, of Tounghsiau, Miaulec, Taiwan, Republic of China; M.B. National Taiwan University, 1983. Environmental Health Sciences, Environmental Health.

James Jay Traverso of Chambersburg P.A.; B.S. Shippensburg State College, 1979. Environmental Health Sciences, Radiation Health Sciences.

Johan Pieter Velema, of Wageningen, The Netherlands; Ing. Agr. Agricultural University of Wageningen, 1978. Epidemiology.

Nancy Yvette Victor, of Deer Park, N.Y.; B.S. Howard University, 1980. Health Policy and Management, Health Planning and Administration.

Anne Elizabeth Walker, of St. Louis, Miss.; B.A. Washington University, 1975; M.A. University of Michigan, 1978. Health Policy and Management, Public Health Administration.

Thurman Bader Wenzl, of Baltimore, Md.; M.A. University of Virginia, 1967; B.S. Renesselaer Polytechnic Institute, 1963. Environmental Health Sciences, Occupational Safety and Health.

Sheldon David Weisgrau, of Suffern, N.Y.; B.S. Cornell University, 1982. Health Policy and Management, Health Planning and Administration.

Gregory Paul Young, of Towson, Md.; B.S. Towson State University, 1981. Health Services Administration, Health Planning and Administration.

MASTERS OF PUBLIC HEALTH

in The School of Hygiene and Public Health

Ashok Kumar Agarwal, of Calcutta, India; M.B., B.S. Calcutta University, 1980.

David Milton Allen, of Boston, Mass.; B.A. Tufts University, 1976; M.D. New York University, 1980.

Ruth Hamilton Allen, of Reston, Va.; A.B. Douglass College, 1966; M.F.S. Yale University, 1972; M.S., 1973; M.Phil., 1974; Ph.D., 1977.

Deborah A. Armbruster, of Athens, Ohio; B.A. Ohio University, 1976; B.S.N. Case Western Reserve University, 1978.

Jennifer A. Astaphan, of Roseau, Commonwealth of Dominica.

Khin Hla Aung, of Rangoon, Burma; M.B., B.S. Institute of Medicine, 1979.

Abhay T. Bang, of Wardha, India; M.B., B.S. Nagpur University, 1973; M.D., 1977.

Rani Abhay Bang, of Wardha, India; M.B., B.S. Nagpur University, 1973; M.D., 1976.

Claudia Rose Baquet, of Los Angeles, Calif.; M.D. Meharry Medical College, 1977.

Robert Joseph Barnard, of Washington, D.C.; B.S. American University, 1965; M.S. 1967; M.Phil. George Washington University, 1976; Ph.D., 1980.

Rebecca Bascom, of Baltimore, Md.; A.B. Harvard University, 1975; M.D. University of Oregon, 1979.

Francisco Cesar Becerra, of Mexico City, Mexico; M.D. La Universidad Nacional Autonoma de Mexico, 1981.

Ridgely C. Bennett, of Washington, D.C.; B.S. St. Louis University, 1950; M.D. Howard University, 1955; Health Policy and Management.

Mary Jane Benson, of Atlanta, Ga.; B.A. Trinity University, 1973.

Sonia Freundel Berg, of Silver Spring, Md.; B.S. The City University of New York, 1969; M.S., 1976.

Robert O. Bertollini, of Rome, Italy; M.D. Catholic University of Rome, 1978.

Adenike Coker Bitto, of Lagos, Nigeria; M.B., B.S. University of Ibadan, 1977.

Elizabeth Ann Bolyard, of Charleston, W.Va.; B.S. Florida International University, 1975.

Mack Bonner, Jr., of Philadelphia, Pa.; B.A. University of Pennsylvania, 1959; M.D. Temple University, 1965.

Jean Marie Box, of Los Angeles, Calif.; B.S. California State University, 1979.

Mathew James Brakora, of Tell City, Ind.; B.S. University of Notre Dame, 1976; M.D. St. Louis University, 1980.

Donald Enfield Brand, of Baltimore, Md.; B.S., C.E. University of Maryland, 1968; M.S., 1973; J.D. University of Baltimore, 1975.

Lovetta Ann Brown, of Milwaukee, Wis.; B.A. University of Wisconsin, 1975; M.D. Medical College of Wisconsin, 1981.

Georgeda Buchbinder of New York, N.Y.; A.B. Sarah Lawrence College, 1960; M.S. Columbia University, 1966; Ph.D., 1973; M.D. Chicago Medical School, 1981.

- Livingstone David Byarugaba, of Kabale, Uganda; M.B., C.H.B. Makerere University, 1977.
- David Truesdale Carney, of Providence, R.I.; B.A. Franklin and Marshall College, 1978.
- Lynne R. Cassanto, of Baltimore, Md.; B.S., ED. St. Bonaventure University, 1966; B.S.N. Columbia University, 1974.
- Chin-Sen Chang, of Chungli, Taiwan, Republic of China; M.D. Chung Shan Medical and Dental College, 1980.
- Yi-Hong Chen, of Taipei, Taiwan, Republic of China; M.B. National Taiwan University, 1976.
- Leslie Carol Christopher, of Tulsa, Okla.; D.D.S. University of Oklahoma, 1981.
- Xavier E. Coll, of Granollers, Barcelona, Spain; M.D. Universidad de Barcelona, 1981; Health Policy Management.
- Sarah Phyllis Combs, of San Francisco, Calif.; B.A. University of Puget Sound, 1972; B.S. University of California, 1976.
- Cabin Yvonne Cooper, of Silver Spring, Md.; B.S.N. University of Maryland, 1977.
- Pedro J. Colo, of Baltimore, Md.; M.D. University of Costa Rica, 1967.
- Paul Douglas Courtright, of Boise, Idaho; B.A. Boise State University, 1978.
- Vanessa Elaine Cullins, of Jacksonville, Fla.; B.S. Spelman College, 1979; M.D. The Johns Hopkins University, 1983.
- Conrad Ivan Dalton, of Belton, Texas; B.A. Baylor University, 1966; M.D. University of Texas, 1970.
- Kathleen M. Danchik, of Washington, D.C.; B.A. University of Colorado, 1966.
- Michael Davidson, of Tweras, N.M.; A.B. Franklin and Marshall College, 1965; M.D. University of Pittsburgh, 1969.
- Norman Arlon Dean, of Fairfax, Va.; B.S. United States Naval Academy, 1965; D.O. Philadelphia College of Osteopathic Medicine, 1974.
- Susan Ellen DeFrancesco, of Baltimore, Md.; B.A. Adelphi University, 1979.
- Suzanne Marie de la Monte, of Baltimore, Md.; A.B. Cornell University, 1972; M.D. Cornell University, 1977.
- James Joseph Dougherty III, of Huntsville, Texas; B.A. Rice University, 1970; M.D. Baylor College of Medicine, 1975.
- Jeffrey Eugene Drifmeyer, of Alexandria, Va.; B.S. George Mason University, 1970; M.S. University of Virginia, 1974; Ph.D., 1980.
- Jama Yusuf Elmi, of Mosadisho, Somalia; M.D. Somalia National University, 1978.
- Douglas John Evans, of Ruxton, Md.; B.A. Bowdoin College, 1981.
- James Edgar Éverhart, of Virginia Beach, Va.; B.A. Duke University, 1976; M.D. University of Virginia, 1980.
- Bunchen Raymond Fan, of Taipei, Taiwan, Republic of China; M.D. Taipei Medical College, 1980.
- Allen Robert Feldman, of Valley Stream, N.Y.; B.A. University of Pennsylvania, 1977; M.D. State University of New York, 1981.
- Rose Fitchett, of Philadelphia, Pa.; B.S. Delaware State College, 1967; M.D. Hahnemann Medical College, 1976.
- James L. Fleming, of Youngstown, Ohio; B.S. Youngstown State University, 1974; D.O. College of Osteopathic Medicine and Surgery, 1977.
- Steven Carter Fullerton, of Seattle, Wash.; A.B. University of California, 1976.
- Laura Susan Funkhouser, of Richmond, Va.; B.A. University of Virginia, 1974; M.D. Eastern Virginia Medical School, 1978.
- Howard Neal Futerman, of Bexley, Ohio; B.A. The Johns Hopkins University, 1980.
- Frances Ann Galven-Inder, of New Glasgow, Nova Scotia, Canada; B.M.S. University of Alberta, 1970; M.D., 1972.
- Marthe Gabrielle Genevier, of Poitiers, France; M.D. Université de Tours, 1982.
- Irene Henriette Gerverdinck, of The Netherlands; M.D. University of Nymegen, 1975.
- Adel Halim Gergis, of Cairo, Egypt; M.B., B.Ch. Ain-Shams University, 1976.
- Stella A. J. Goings, of Washington, D.C.; A.B. Rutgers University, 1972; M.D. University of Pennsylvania, 1975.
- Elisabeth Ann Grauek, of Baltimore, Md.; B.A. University of Baltimore, 1976.
- Isaías Daniel Gutierrez-Trucios, of Lima Peru; M.D. National Major University of San Marcos, 1977.
- Marian Virginia Hamwey, of Onconta, N.Y.; A.B. St. Joseph College, 1959; M.A. St. John's University, 1967.
- Clement John Hanson, of Kansas City, Kans.; B.A. University of Kansas, 1972; D.O. Kansas City College of Osteopathy and Surgery, 1976.
- Stephen William Hargarten, of Milwaukee, Wis.; B.A. University of Wisconsin, 1971; M.D. The Medical College of Wisconsin, 1975.
- Martin William Harrison, of Chicago, Ill.; B.S. University of Illinois, 1975; M.D. St. George's University, 1982.

- Benson Andrew Hausman, of Amsterdam, The Netherlands; B.A. Tulane University, 1969; M.D. University of Amsterdam, 1978.
- Mary Ann Theresa Hayunga, of Kensington, Md.; B.S. Empire State College, 1977.
- Wai-Yin Maurice Ho, of Fort Worth, Texas; B.S. State University of New York, 1979.
- R. Hasan Moehammad Hoesni, of Jakarta, Indonesia; M.D. Universitas Airlangga, 1967.
- Richard Edmund Hoffman, of Baltimore, Md.; B.A. Stanford University, 1971; M.D. University of Texas, 1975.
- Katherine Alela Hopkins, of Baltimore, Md.; B.S. The Johns Hopkins University, 1981.
- John Marcellus Horan, of Rockville Centre, N.Y.; B.A. Holy Cross College, 1970; M.D. State University of New York, 1974.
- Teresa Clements Horan, of Boulder City, Nev.; B.S. California Polytechnic State University, 1979.
- Donald Gregory Horton, of Lafayette, Colo.; B.A. University of Colorado, 1975; B.S.N., 1976.
- Peter Jäggi, of Basel, Switzerland; D.D.S. Basel University, 1980.
- Pauline Evadne Jolly, of Spanish Town, Jamaica; B.Sc. University of the West Indies, 1971; M.S. Tuskegee Institute, 1977; Ph.D. Louisiana State University, 1980.
- LeeRoy George Jones, of Silver Spring, Md.; A.B. Michigan State University, 1952; M.D. Wayne University College of Medicine, 1956.
- Ahmad Judin, of Medan, Indonesia; M.D. University of North Sumatra, 1973; M.Sc. London School of Hygiene & Tropical Medicine, 1982.
- Mitra Kamali, of Tehran, Iran; M.D. Jondishapoor University, 1970.
- Douglas Biron Kamerow, of Alexandria, Va.; A.B. Harvard College, 1972; M.D. University of Rochester, 1978.
- Roberta Rice Kaplan, of Bayside, N.Y.; B.S. Cornell University, 1973; B.S. The George Washington University, 1980.
- Kathleen Kelly, of Baltimore, Md.; B.S. Towson State University, 1983.
- Mary Catherine Kelly, of Baltimore, Md.; B.S.N. St. Louis University, 1965.
- Abdellah Kherchi, of Marrakech, Morocco; M.D. University of Aix-Marseille, 1975; D.T.M.H. University of Aix-Marseille, 1974.
- Nancy Lynne Kish, of New Canaan, Conn.; B.A. Bucknell University, 1979.
- Rudolf Emanuel Klimes, of Burtonsville, Md.; Ph.D. Indiana University, 1964; D.Mn. McCormick Theological Seminary, 1981; M.A. Andrews University, 1977.
- Patricia Fern Krasner, of Atlanta, Ga.; B.S. Tulane University, 1972; M.H.E. University of Florida, 1975.
- Shiriki K. Kumanyika, of Baltimore, Md.; B.A. Syracuse University, 1965; M.S. Columbia University, 1969; Ph.D. Cornell University, 1978.
- Hsiang-Ching Kung, of Taipei, Taiwan, Republic of China; B.S.N. California State University, 1983.
- Davidson John Kwendakwema of Ndola, Zambia; M.D. Kharkov Medical Institute, 1979.
- Barbara Birch Lamphere, of Bethesda, Md.; B.A. Colgate University, 1979. International Health.
- Pablo A. Lavin, of Santiago, Chile; M.D. Universidad de Chile, 1973.
- Taiwo Olubanke Lawoyin, of Lagos, Nigeria; M.B., B.Ch., B.A.O. University of Dublin, 1979.
- Chien-Ting Lee of Taipei, Taiwan, Republic of China; M.D. Kovohsiung Medical College, 1974.
- Ronald Jay Lentz, of Millersville, Pa.; B.S. Pennsylvania State University, 1956; M.D. Jefferson Medical College, 1961.
- Marvin Robert Levy, of Lambertville, N.J.; B.S. Trenton State College, 1953; M.A. Columbia University, 1956; Ed.D. Columbia University, 1968.
- Mary Ann MacRae, of Seattle, Wash.; M.B., B.Ch., B.A.O. University College, Dublin, 1974.
- Ahmed Mohamed Magan, of Mogadishu, Somalia; M.D. Somali National University, 1979.
- Ruthanne Marcus, of Hartford, Conn.; B.S. Syracuse University, 1981.
- Lester Martinez-Lopez, of Maricao, Puerto Rico; B.S. University of Puerto Rico, 1976; M.D., 1978.
- James William McAllister III, of Ellicott City, Md.; B.E.S. The Johns Hopkins University, 1960; M.S.E. The George Washington University, 1971.
- Alain Michel Moren, of Blainville, France; M.D. Université de Caen, 1981.
- Philip Ndoyo Mwalali, of Nairobi, Kenya; M.B. Ch.B. University of Nairobi, 1976; M.Med., 1982.
- André Ndikuyez, of Kigembe Butarc, Rwanda; B.S. Université Nationale Du Rwanda, 1975; M.D. 1978.
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- Pamela Anne Samek, of Pacific Palisades, Calif.; B.A. Principia College, 1981.
- Christopher Jonathan Sandrolini, of Aurora, Ill.; B.A. University of Chicago, 1982.
- Eric Neil Scheinkopf, of Washington, D.C.; B.A. Hamilton College, 1979.
- Tracy Lynn Schneider, of Utica, N.Y.; B.A. Hamilton College, 1978.
- Charles Schwartz, of Philadelphia, Pa.; B.A. Tufts University, 1981.
- Annamaria Scely, of Silver Spring, Md.; B.A. Smith College, 1977.
- Peter MacDonald Sherwood, of Pittsburgh, Pa.; B.A. Bowdoin College, 1979.
- Margaret Ann Siliciano, of Elmira, N.Y.; B.S. Georgetown University, 1982.
- Marialuia Silvestrini, of Rome, Italy; Laurea University of Rome, 1982.
- Roblyn Simeon, of New York, N.Y.; B.A. State University of New York at Albany, 1976; M.A. University of California, Berkeley, 1979.
- Neeta G. Sirur, of Bombay, India; B.A. Grinnell College, 1980.
- Alesia Elizabeth Slocum, of Auburn, Calif.; B.A. University of California, Berkeley, 1982.
- Robert Fleming Slutz, of Rockville, Md.; B.A. Colby College, 1980.
- Laura Nell Smith, of Dayton, Ohio; B.A. Bennington College, 1982.
- Robert Max Soeldner, of Port Richey, Fla.; B.S. United States Military Academy, 1976.
- Babette Hecht Sonnenfeldt, of Washington, D.C.; B.A. University of South Carolina, 1978.
- Loretta Anne Sprissler, of Philadelphia, Pa.; B.A. The Johns Hopkins University, 1984.
- Marguerite Hovey Squire, of Chevy Chase, Md.; B.A. Dartmouth College, 1979.
- Guy Owain Stallworthy, of Taunton, U.K.; B.A. Sussex University, 1981.
- David George Staples, of Pittsburgh, Pa.; B.A. University of Cincinnati, 1982.
- David Edmund Stenson, of Reston, Va.; B.A. Xavier University, 1978; M.B.A., 1979.
- Anita Stephen, of The Hague, Netherlands; B.A. Bennington College, 1980.
- Arthur Neil Stern, of Pinole, Calif.; B.A. University of California, Los Angeles, 1981.
- Charles Richard Steuart, of Washington, D.C.; B.Sc. London School of Economics, 1978.
- Thomas William Stoeber, of LaCanada, Calif.; B.A. The Johns Hopkins University, 1983.
- Ellen Frances Stofa, of Cary, Ill.; B.A. McGill University, 1979.
- Alec L. Stone, of Bellingham, Wash.; B.A. Western Washington University, 1981.
- Gary M. Talarico, of East Moline, Ill.; B.S. Illinois State University, 1975; M.S., 1978.
- Heather Raye Taylor, of Washington, D.C.; B.A. Kenyon College, 1976.

- John Wolfe Thomason, of Fullerton, Calif.; B.A. University of California, Riverside, 1982.
- Scott David Tollefson, of Anaheim, Calif.; B.A. Westmount College, 1979; M.A. University of California, Santa Barbara, 1981.
- Leslie A. Touma, of Pleasant Ridge, Mich.; B.A. Kalamazoo College, 1980.
- Virginia Maria Tulley, of Sacramento, Calif.; B.A. University of the Pacific, 1979.
- Paul Anthony Turco, of Farmington, Conn.; B.A. Middlebury College, 1981.
- Richard James Ufford, of Pitcher, N.Y.; B.A. The Johns Hopkins University, 1983.
- Diego Ungaro, of Rome, Italy; Laurea University of Rome, 1981.
- Floris Hendrik Van Straaten, of Haren, The Netherlands; Kandidaats Groningen State University, 1979; Doctoraat Leiden State University, 1982.
- Marta Rita Velazquez, of Washington, D.C.; B.A. Princeton University, 1979; J.D. Georgetown University, 1982.
- Brenda Sue Watson, of Los Angeles, Calif.; B.A. Stanford University, 1981.
- Samuel Robert Watson III, of Raleigh, N.C.; B.A. Duke University, 1976.
- Karen Lynne Weber, of Claremont, Calif.; B.A. California State Polytechnic Institute, 1978.
- Makarim Wibisono, of Falls Church, Va.; M.A. Gajah Mada University, 1970.
- Jody Williams, of Washington, D.C.; B.A. University of Vermont, 1972; M.A. School for International Training, 1976.
- Karen Leigh Wilson, of Washington, D.C.; B.A. Colgate University, 1978.
- Shing-Fan Josephine Woo, of Springfield, Va.; B.A. Hong Kong University, 1967; M.A. Indiana University, 1973.
- David Wurmser, of Towson, Md.; B.A. The Johns Hopkins University, 1983.
- Brian Paul Wynne, of Vetsal, N.Y.; B.A. University of Scranton, 1980.
- Anisia Maria Yonekura, of Washington, D.C.; B.A. Barnard College, 1981.
- Lanxin Xiang, of Nanjing, Peoples Republic of China; B.A. Fudan University, 1982.
- Richard Harlan Zechter, of Santa Ana, Calif.; B.A. University of California, Santa Cruz, 1978.

MASTER OF SCIENCE IN CLINICAL ENGINEERING

in The School of Medicine

Robert Wyckoff Newman, of Hilton Head, S.C.; B.S. United States Air Force Academy, 1974. Biomedical Engineering.

The Evaluation of Imaging Performance in Digital Fluorographic Systems.

MASTERS OF ARTS

in The School of Medicine

Charlotte Ann Bauer, of Baltimore, Md.; B.S. Towson State University, 1981. Medical and Biological Illustration.

Cross-sectional Anatomy of the Carpus, as Pertains to Computer Tomography.

Andrew James Grivas, of Glendale Heights, Ill.; B.S. University of Wisconsin (Milwaukee), 1981. Medical and Biological Illustration.

Post-traumatic Orbit Evaluation by Computed Tomographic Volume Computation and Three Dimensional Surface Reconstruction.

Lydia V. Kibiuk, of Holland Patent, N.Y.; B.F.A. State University of New York at Buffalo, 1980. Medical and Biological Illustration.

Laboratory Manual for Basic Animal Pathology.

Jamie Hall Magovern, of Baltimore, Md.; B.F.A. Carnegie-Mellon University, 1976. Medical and Biological Illustration.

The Development of the Atrioventricular Valve in the Human Embryo.

Joy Schindler Marlowe, of Baltimore, Md.; B.A. Towson State University, 1980. Medical and Biological Illustration.

An Animated Study of the Development of the External Form of the Human Heart.

Terese McSweeney, of Newton Centre, Mass.; A.B. Mount Holyoke College, 1980. Medical and Biological Illustration.

The Topographical Anatomy of Pelecanus occidentalis, the Brown Pelican.

James Joseph Millerick, Jr., of Wakefield, Mass.; B.A. Boston College, 1981. Medical and Biological Illustration.

The Role of the Retinal Pigment Epithelial Cell's Extracellular Matrix in Proliferative Vitreoretinopathy.

Kathryn Sandberg, of Baltimore, Md.; B.A. University of Rochester, 1979. Biochemistry, Cellular and Molecular Biology Program—Neuroscience.

Studies on the Mechanism of Action of the Cholinergic Neurotoxin, AF64A.

Brian Jenkel Smith-White, of Columbia, Md.; B.S. Johns Hopkins University, 1980. Biochemistry, Cellular and Molecular Biology Program—Physiological Chemistry.

The Role of the Divalent Cation in Catalysis by Exonuclease III from Escherichia Coli.

Diane Dale Thomas, of Cedar Rapids, Iowa; B.A. Rice University, 1981. Pharmacology and Experimental Therapeutics.

Studies on Aspects of DNA Transfection, Cell Permissiveness and Superinfection Exclusion with Herpes Simplex Virus.

MASTER OF CIVIL ENGINEERING

in The G.W.C. Whiting School of Engineering

Laila Yehia El-Zomor Rashed, of Baltimore, Md.; B.S.C. Cairo University, Egypt, 1976.

MASTERS OF SCIENCE

in The G.W.C. Whiting School of Engineering

George Russell Allison, of Ellicott City, Md.; B.S. Old Dominion University, 1980. Applied Physics.

Parag Narayan Ambardekar, of Bowie, Md.; M.S. The Maharaja Sayajira University, India, 1975. Computer Science.

John Robert Anderson, of Bel Air, Md.; B.S. Wilkes College, 1972. Computer Science.

William John Anderson, of Arnold, Md.; B.E.S. State University of New York, 1967. Computer Science.

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Mark Christopher Bastian, of Glen Burnie, Md.; B.S.E.E. University of Illinois, 1981. Electrical Engineering.

Susan Leone Benac, of Severna Park, Md.; B.A. Goucher, 1976. Computer Science.

- Joseph Berg, of Baltimore, Md.; B.T.L. Ner Israel Rabbinical College, 1981. Computer Science.
- Aaron Berger, of Baltimore, Md.; B.T.L. Ner Israel Rabbinical College, 1981. Computer Science.
- James H. Bieda, of Millersville, Md.; B.A. University of Maryland, 1979. Computer Science.
- Carl Allan Bisio, of Bowie, Md.; B.S.E. University of Michigan, 1963; M.B.A. Texas Technical University, 1971. Computer Science.
- John Thomas Blake, of Columbia, Md.; A.S. Lansing Community College, 1978; B.S.E.E. Michigan State University, 1980. Electrical Engineering.
- Joseph David Blodgett, of Annapolis, Md.; B.S. Capitol Institute of Technology, 1980. Computer Science.
- Edward Deeds Boggess, of Clarksville, Md.; B.A. University of Colorado, 1979. Computer Science.
- David Glen Bohning, of Ellicott City, Md.; B.S. Valparaiso University, 1976. Computer Science.
- Richard Kinsley Bolin, of Baltimore, Md.; B.F.A. Maryland Institute, 1975. Computer Science.
- Alan Joseph Bollinger, of Greenbelt, Md.; B.S. University of Maryland, 1979. Computer Science.
- Douglas James Bonn, of Columbia, Md.; B.S.E.E. University of Pittsburgh, 1979. Computer Science.
- David Lee Bort, of Bowie, Md.; B.S.E.E. University of Maryland, 1979. Electrical Engineering.
- Michael Vance Bremerman, of Riverdale, Md.; A.A. Prince Georges Community College, 1976; B.S.E.E. University of Maryland, 1978. Numerical Science.
- Richard Shawn Brogan, of College Park, Md.; A.S.T. Lincoln Technical Institute, 1977; B.S.E.E.T. Capitol Technical Institute, 1979. Computer Science.
- Judith Louise Brown, of Silver Spring, Md.; B.S. University of Maryland, 1973. Computer Science.
- Frederick Stuart Brundick, of Abingdon, Md.; B.S. Clemson University, 1977. Computer Science.
- Sherrill Jean Brusco, of Ellicott City, Md.; B.S.C.S. Drexel University, 1981. Computer Science.
- Stephen Peter Bruzgulis, of Baltimore, Md.; B.A. Towson State University, 1975. Computer Science.
- Ralph Gilbert Buckman, of Mt. Airy, Md.; B.S.M.E. Virginia Polytechnic Institute, 1962. Technical Management.
- Jose Emilio Calavia, of Ellicott City, Md.; A.A. Miami-Dade Junior College, 1970. B.S. Florida International University, 1974. Applied Physics.
- John Matthew Capan, of Freeland, Md.; B.S. Geneva College, 1968. Computer Science.
- Abbie Susan Carliner, of Columbia, Md.; B.S. University of Maryland, 1976. Computer Science.
- David Alan Carpenter, of Parkton, Md.; B.S.M.E. Virginia Polytechnic Institute, 1962; C.C.E.S. The Johns Hopkins University, 1980. Applied Physics.
- Marilyn Ann Carter, of Millersville, Md.; B.A. Samford University, 1978. Computer Science.
- James Madin Cathcart, of Laurel, Md.; B.S.E.E. Georgia Institute of Technology, 1981. Electrical Engineering.
- Donald Gordon Chandler, of Severn, Md.; B.S.E. Princeton University, 1981. Electrical Engineering.
- Hungkai K. Chao, of Silver Spring, Md.; M.S. University of Cincinnati, 1979. Computer Science.
- Jagdish Chander Chawla, of Randallstown, Md. Environmental Engineering.
- Kang Liu Cheng, of Gaithersburg, Md.; B.S. National Taiwan University, 1970; M.S. University of North Carolina, 1973. Computer Science.
- Bin Chern, of Columbia, Md.; M.S. State University of New York, 1981. Computer Science.
- David Ray Cheslock, of Randallstown, Md.; B.A. University of Maryland, 1972; M.Ed., 1974. Computer Science.
- I-Ming Annie Chien, of Silver Spring, Md.; M.S. University of Maryland, 1970. Computer Science.
- Timothy Robert Childers, of Ft. Meade, Md.; B.S.E.E. United States Air Force Academy, 1980. Electrical Engineering.
- Nancy Hwa Chiu, of McLean, Va.; B.S. State University of New York, 1969; Ph.D. University of Pennsylvania, 1974. Computer Science.
- Eleanor Boyle Chlan, of Columbia, Md.; B.S. Rochester Institute of Technology, 1979. Computer Science.
- Arthur Donald Chrapkowski, of Columbia, Md.; B.S. DePaul University, 1972; M.S., 1975. Computer Science.
- Gerald Cheukman Chu, of New York, N.Y.; B.S.E.E. Queens University, 1972; M.B.A. Pace University, 1975. Electrical Engineering.
- Paoming Richard Chu, of Greenbelt, Md.; M.S. Auburn University, 1974. Computer Science.
- Larry Wayne Clafin, of Towson, Md.; B.S. Wisconsin State University, 1966; Ph.D. University of Wisconsin, 1975. Computer Science.
- Robert Alfred Coelho, of Columbia, Md.; B.S. University of Maryland, 1980. Computer Science.
- Clifford Bruce Cohen, of Glen Burnie, Md.; B.S.E. Union College, 1980. Computer Science.
- Richard Ilvin Cohen, of Washington, D.C.; B.S. Massachusetts Institute of Technology, 1974; M.P.A. Princeton University, 1976. Computer Science.

- Frank Ernon Cooke, of Silver Spring, Md.; B.S. University of Houston, 1967; M.S. George Washington University, 1971. Computer Science.
- Jean-Pierre Côté, of Columbia, Md.; B.S. Laval University, 1974. Computer Science.
- Robert Stuart Cramer, of Point of Rocks, Md.; B.A. Hood College, 1981. Computer Science.
- Duncan Pierce Crawford, of Highland, Md.; B.S. University of Massachusetts, 1968. Technical Management.
- Bryant George Cruse, of Annapolis, Md.; B.A. St. John's College, 1973. Space Technology.
- Arnold Bennett Cushing, of Baltimore, Md.; B.S. University of Massachusetts, 1976. Computer Science.
- Christopher Edward Dabrowski, of Columbia, Md.; B.A. University of Michigan, 1975. Computer Science.
- Regina C. Danchik, of Elkridge, Md.; B.S. Shepherd College, 1978. Computer Science.
- Diane Ruth DeMers, of Greenbelt, Md.; B.S. University of Maryland, 1976. Computer Science.
- Richard Bruce Diehl, of Ellicott City, Md.; B.S. Towson State University, 1979. Computer Science.
- Otis William Doss III, of Silver Spring, Md.; B.A. University of Virginia, 1980. Numerical Science.
- John Carsten Droge, of Columbia, Md.; B.S.E.E. Clemson University, 1979. Computer Science.
- Eva Marie Duff, of Columbia, Md.; B.S. California State College, 1973. Computer Science.
- Randall Lea Elliott, of Pasadena, Md.; B.S.E. Virginia Polytechnic Institute, 1979. Electrical Engineering.
- Carol Ann Ellis, of Bel Air, Md.; B.A. Western Maryland College, 1976; M.A. Central Michigan University, 1980. Computer Science.
- Bridget Ann Engles, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1980. Technical Management.
- David Philip Erb, of Columbia, Md.; B.S.E.E. Drexel University, 1973. Computer Science.
- Peter Joel Estes, of Ellicott City, Md.; B.S. Michigan State University, 1981. Numerical Science.
- Robert Francis Eyler, of Glen Burnie, Md.; B.S.E.E. Manhattan University, 1979. Computer Science.
- Lynn Douglas Ferguson, of Ellicott City, Md.; B.S. United States Military Academy, 1973; M.S. University of Michigan, 1981. Computer Science.
- Fred Oliver Ferris III, of Falls Church, Va.; B.S. Capitol Institute of Technology, 1978. Computer Science.
- Bruce Anthony Flanick, of Laurel, Md.; B.S.E.E. University of Maryland, 1980. Electrical Engineering.
- Chih-Chia Vanessa Fong, of Rockville, Md.; B.S. National Tsing Hua University, 1971; M.S. University of Wisconsin, 1974. Computer Science.
- Paul David Fosko, of Rockville, Md.; B.S.E.E. Naval Postgraduate School, 1967; M.S.A. George Washington University, 1980. Computer Science.
- Kenneth Maurice Fox, of Linthicum, Md.; B.S. Kent State University, 1972. Computer Science.
- Elliott Paul Friend, of Baltimore, Md.; B.E. City College of New York, 1964. Computer Science.
- Maurice Frederick Funke, of Columbia, Md.; B.S.E. Catholic University of America, 1967; M.S.E., 1974. Electrical Engineering.
- Gerald Andrew Garland, of Fallston, Md.; B.S.E.E. Drexel University, 1981. Computer Science.
- Richard Carlisle Getz, of Baltimore, Md.; M.S. University of Virginia, 1975. Computer Science.
- Victor Tom Giddings, of Laurel, Md.; B.A. Cornell University, 1977. Numerical Science.
- Allen Scott Gilbert, of Ellicott City, Md.; B.S. Michigan State University, 1981. Electrical Engineering.
- Russell Edward Gingras, of Columbia, Md.; B.S. University of Illinois, 1969; M.S. The Johns Hopkins University, 1972. Technical Management.
- Patricia Ann Giovachino, of Columbia, Md.; B.A. Boston University, 1965. Computer Science.
- David Jeffrey Goldman, of Baltimore, Md.; B.T.L. Israel Rabbinical College, 1980. Computer Science.
- Conrad Joseph Grant, of Mt. Airy, Md.; B.S. University of Maryland, 1978; M.S. The Johns Hopkins University, 1982. Computer Science.
- Regina Grdina, of Glen Burnie, Md.; B.A. Case Western Reserve University, 1980. Computer Science.
- Robert Martin Gregor, of Arlington, Va.; B.S. Loyola University, 1970; M.S. Monterey Institute for Studies, 1977. Computer Science.
- Carol Davis Hall, of Severna Park, Md.; B.A. Goucher College, 1980. Numerical Science.
- Jerry Raymond Hampton, of Laurel, Md.; B.S. University of Maryland, 1974. Electrical Engineering.
- James Daniel Hapenney II, of Columbia, Md.; B.S. Texas A&M University, 1966; M.S. University of Southern California, 1972. Computer Science.
- Terrance Jeffrey Harrigan, of Sykesville, Md.; B.S. Loyola College, 1979. Computer Science.
- Patrick Ryan Harrison, of Annapolis, Md.; B.S. Ohio State University, 1965; Ph.D. University of Tennessee, 1972. Computer Science.

- Philip Thomas Hartman, of Annapolis, Md.; B.S.E.E. Memphis State University, 1981. Electrical Engineering.
- Mohammad Rasheed Hasan, of Washington, D.C.; B.S. University of Bihar, 1966; B.S.E. University of Karachi, 1971. Computer Science.
- Allen Milton Hawk, of Sterling, Va.; B.S.E.E. Southern Illinois University, 1972. Computer Science.
- Heide E. Heidepriem, of Ellicott City, Md.; B.S.E.E. Valparaiso University, 1968; M.S. American University, 1976. Technical Management.
- William Joseph Hersey III, of Germantown, Md.; B.S.E.E. University of Maryland, 1981. Electrical Engineering.
- Martin Douglas Herzog, of Annapolis, Md.; B.S. Towson State University, 1967; M.Ed. University of North Florida, 1980. Computer Science.
- Robert Lee Hickerson, of Ellicott City, Md.; B.S. Virginia Military Institute, 1958; M.S. The Johns Hopkins University, 1966; M.A., 1977. Technical Management.
- Judith Kaye Hildenbrand, of Columbia, Md.; B.S. Central Florida University, 1975; B.A. State College of New York at Brockport, 1967. Computer Science.
- Brian Lee Hillmar, of Annapolis, Md.; B.S. University of Richmond, 1981. Computer Science.
- Marilyn Trimble Hinman, of Columbia, Md.; B.S. State College of Pennsylvania, 1962. Computer Science.
- Richard Jenchieh Ho, of Columbia, Md.; B.S.E. University of Maryland, 1978. Computer Science.
- Katherine Anne Hofmann, of Fairfax, Va.; B.S. University of Virginia, 1978. Computer Science.
- Robert Scott Holcomb, of Columbia, Md.; B.A. Arizona State University, 1978. Computer Science.
- Rhonda Lea Holtman, of Columbia, Md.; B.S. Western Michigan University, 1980. Computer Science.
- Wai Lim Hom, of Washington, DC.; B.S.E.E. George Washington University, 1981. Electrical Engineering.
- Su-Chin Chang Hou, of Rockville, Md.; B.S. National Taiwan University, 1970; M.S., 1972. Computer Science.
- Brian Ellery Houser, of Frederick, Md.; B.S. University of Maryland, 1974. Computer Science.
- Hwei-Yu Linda Hsieh, of Falls Church, Va.; B.S. National Taiwan University, 1975. Computer Science.
- Janice Kay Hughes, of Columbia, Md.; M.S. Duke University, 1978. Computer Science.
- Robert Louis Hunt, of Annapolis, Md.; B.S. University of Maryland, 1976. Computer Science.
- Paul Elliot Hunter, of Burtonsville, Md.; B.S. Wilkes College, 1974; M.S. University of Maryland, 1976. Computer Science.
- Jan Annette James, of Gambrills, Md.; B.A. Wittenberg University, 1977. Computer Science.
- Henry Joseph Janowitz, of Baltimore, Md.; B.S.E. The Johns Hopkins University, 1970; M.S. George Washington University, 1975. Computer Science.
- Timothy Allen Jennings, of Laurel, Md.; A.A. Anne Arundel Community College, 1977; B.S. University of Maryland, 1979. Applied Physics.
- Nancy Lynne Johnson, of Glen Burnie, Md.; B.S. Virginia Polytechnic Institute, 1976. Computer Science.
- Alan Boyd Joice, of Kensington, Md.; B.S.E.E. Drexel University, 1970. Electrical Engineering.
- Robert Doyle Jones, Jr., of Laurel, Md.; B.S.E.E. United States Air Force Academy, 1981. Electrical Engineering.
- David Walter Jourdan, of Columbia, Md.; B.S. United States Naval Academy, 1976. Applied Physics.
- Steven Alan Kahn, of Silver Spring, Md.; B.S. Washington University, 1976; M.S., 1978. Computer Science.
- Doris Ann Kalivoda, of Ellicott City, Md.; B.A. University of Maryland, Baltimore County, 1974. Computer Science.
- Robert Kay, of Bethesda, Md.; B.S. College of the City of New York, 1942; Ph.D. Massachusetts Institute of Technology, 1952. Computer Science.
- Janet Ellen Kehlhofer, of Laurel, Md.; B.S. Bates College, 1977. Computer Science.
- Kwangjon Leonard Kim, of Chevy Chase, Md.; B.E. Korea University, 1971. Electrical Engineering.
- Vincent Edward Koehler, of Columbia, Md.; M.S. University of Notre Dame, 1970. Computer Science.
- Susan Lynn Kohli, of Pasadena, Md.; B.A. Asbury College, 1977. Computer Science.
- Louise Dusablon Kokinakis, of Fallston, Md.; M.S. University of Rhode Island, 1967. Computer Science.
- Kenneth Jay Koontz, of Columbia, Md.; B.S. University of Maryland, 1979. Computer Science.
- Edward Eberhardt Kopicky, of Towson, Md.; B.E.E. University of Delaware, 1974; M.A.S. The Johns Hopkins University, 1979. Computer Science.
- Robert Allen Koppelman, of Millersville, Md.; B.S.E.E. University of Delaware, 1976. Computer Science.
- Milton Daniel Kowalewski, Jr., of Gaithersburg, Md.; B.S. Loyola College, 1963; M.S. George Washington University, 1969. Computer Science.
- Bruce Andrew Krein, of Columbia, Md.; B.S.M.E. Bucknell University, 1980. Computer Science.
- Shu-Mei C. Ku, of Columbia, Md.; B.S. Feng-Chia University, 1976. Computer Science.

- Tsu-Jung Kung, of Columbia, Md.; B.S. Tsing-Hua University, Taiwan, 1976; M.S. Drexel University, 1981. Computer Science.
- Charles Randall Kuning, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1974; M.S.E., 1975. Computer Science.
- Pe Pe Kuo, of Silver Spring, Md.; B.S. State University of New York at Stony Brook, 1981. Computer Science.
- Rudolph Kleve Larsen, of Columbia, Md.; B.S. Pratt Institute, 1972. Electrical Engineering.
- Ronald Jacob Leach, of Columbia, Md.; Ph.D. University of Maryland, 1971. Computer Science.
- Chih-Ywan Lee, of Gaithersburg, Md.; B.S. National Chiao-Tung University, 1976; M.S. George Washington University, 1979. Computer Science.
- Robert Craig Leedom, of Glenwood, Md.; B.E.S. The Johns Hopkins University, 1967; M.S., 1974. Computer Science.
- Jack Ely Leibe, of Silver Spring, Md.; M.A. Eastern Michigan University, 1973. Computer Science.
- Mary Elert Lennox, of Crownsville, Md.; B.A. Michigan State University, 1971. Computer Science.
- Ira Harold Levine, of Silver Spring, Md.; B.S. State University of New York, 1971. Computer Science.
- Lynda Frances Lewinski, of Columbia, Md.; B.E.E. Georgia Institute of Technology, 1981. Electrical Engineering.
- George Lap Shing Li, of Greenbelt, Md.; B.S. University of California, Berkeley, 1976. Computer Science.
- Katherine Ching-Mei Li, of Gaithersburg, Md.; B.S. Tunghai University, 1962; M.S. University of Oregon, 1964. Computer Science.
- Dilip Chetandas Lillaney, of Glen Burnie, Md.; B.S. Elphinstone College, 1980. Computer Science.
- Reitseng Lin, of Silver Spring, Md.; M.S. State University of New York, 1979. Computer Science.
- Wenhsun Lin, of Greenbelt, Md.; B.S. Soochow University, 1972; M.S. Memphis State University, 1977. Computer Science.
- Chao-Lin Liu, of Germantown, Md.; B.A. William Patterson College, 1974; M.B.A. Pace University, 1977. Computer Science.
- Tzu-Kuang Liu, of Columbia, Md.; B.B.A. National Taiwan University, 1981. Computer Science.
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- Jane Louise Lobby, of Sykesville, Md.; B.S. Kentucky Wesleyan College, 1971. Computer Science.
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- Paul Arthur Matlin, of Baltimore, Md.; B.S. The Johns Hopkins University, 1981. Computer Science.
- Kathleen Gleason Matthews, of Bowie, Md.; B.S. Marquette University, 1965. Computer Science.
- John Shelby McCoskey, of Gaithersburg, Md.; B.S. Bucknell University, 1979. Computer Science.
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- Darrell Bruce McDoe, of Silver Spring, Md.; B.S. Allegheny College, 1979. Computer Science.
- Henry Albert McKim, of Baltimore, Md.; B.S. Loyola College, 1968. Computer Science.
- Hugh Malcolm McLaurin, of Laurel, Md.; B.S.E. University of Maryland, 1977. Electrical Engineering.
- Wayne Jackson McMahon II, of Adelphi, Md.; B.S.E.E. University of Maryland, 1977. Computer Science.
- Christine J. McQuillan, of Laurel, Md.; B.S. University of Maryland, 1968. Applied Physics.
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- Stephen Michael Mencik, of Laurel, Md.; B.S.I.C.S. Georgia Institute of Technology, 1981. Computer Science.
- David Joseph Menker, of Columbia, Md.; B.S.E.E. University of Miami, 1979. Electrical Engineering.
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- Susan Marie Mitchell, of Rockville, Md.; B.A. University of Maryland, 1979. Computer Science.
- Ramsharan D. Mittal, of Randallstown, Md.; Ph.D. University of Rajasthan, India, 1971. Computer Science.
- Rud Vincent Moe, of Greenbelt, Md.; B.E.E. Catholic University, 1966. Applied Physics.
- Joseph Xavier Montemarano, of Baltimore, Md.; B.A. The Johns Hopkins University, 1975. Computer Science.
- John Richard Moore, of Columbia, Md.; B.A.S. University of Waterloo, Canada, 1981. Electrical Engineering.

- Sherrri Wood Morgan, of Crofton, Md.; B.S. University of Georgia, 1977. Computer Science.
- John Francis Morrison, of Baltimore, Md.; Ph.D. University of Maryland, 1977. Computer Science.
- Susan Virginia Muir, of Columbia, Md.; B.S. Randolph-Macon College, 1980. Numerical Science.
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- Tuan Van Nguyen, of Upper Marlboro, Md.; B.S.E.T. Capitol Institute of Technology, 1978. Electrical Engineering.
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- Kenneth Wayne O'Haver, of Columbia, Md.; B.S.E.E. Virginia Polytechnic Institute, 1981. Electrical Engineering.
- Nelson Juan Ortiz, of Severn, Md.; B.E.T. Florida Technological University, 1979. Computer Science.
- Eduardo Agustin Padlan, of Kensington, Md.; Ph.D. The Johns Hopkins University, 1968. Computer Science.
- Gary Bennett Page, of Largo, Md.; B.A. College of The Holy Cross, 1972; M.S. University of Chicago, 1977. Computer Science.
- Peter Paul Pandolfini, of Westminter, Md.; B.E.C.E. City University of New York, 1968; M.S., Ph.D. Rutgers University, 1971. Technical Management.
- Keith Peacock, of Columbia, Md.; B.S. Durham University, 1961; M.S. Birmingham University, 1962; Ph.D. Manchester University, 1967. Technical Management.
- James Bryant Peregoy, of Silver Spring, Md.; B.S. University of Maryland, 1981. Computer Science.
- Michael Anthony Pietrzyk, of Chesapeake Beach, Md.; B.S. United States Military Academy, 1976; M.S. University of Southern California, 1980. Computer Science.
- Kathleen Marie Plunkett, of Laurel, Md.; B.S. Virginia Polytechnic Institute, 1977. Computer Science.
- Stephen Donald Poling, of Laurel, Md.; M.S. Michigan State University, 1980. Computer Science.
- Mary Elizabeth Pratt, of Hanover, Md.; B.A. University of New Hampshire, 1981. Computer Science.
- Kelli Romaine Presnell, of Severn, Md.; B.S. University of Maryland, 1976. Computer Science.
- Christopher Peter Prevas, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1978. Electrical Engineering.
- Calvin Oliver Price, of Baltimore, Md.; B.S.E.E. University of Delaware, 1977. Electrical Engineering.
- Thomas Steven Proffitt, of Mount Airy, Md.; B.E.E.T. Ohio Institute of Technology, 1977. Computer Science.
- Roshan Lal Punn, of Berwin Heights, Md.; Ph.D. Howard University, 1980. Computer Science.
- Sheelagh Dute Purdie, of Dundalk, Md.; B.S. Loyola College, 1976. Computer Science.
- Kelvin Lewis Quimby, of Silver Spring, Md.; B.S. University of Wisconsin, 1974; M.A. Columbia University, 1977. Computer Science.
- Paul Bernard Quirk, of Baltimore, Md.; B.A. College of the Holy Cross, 1966; M.A. University of Georgia, 1969. Computer Science.
- Gary Jay Reicher, of Owings Mills, Md.; B.A. University of Maryland, 1977. Computer Science.
- Thomas Michael Renegar, of Olney, Md.; B.S.E.E. Virginia Polytechnic Institute, 1968. Electrical Engineering.
- David Charles Rich, of Fairfax, Va.; B.S.E.E.T. Capitol Institute of Technology, 1981. Computer Science.
- Bruce Albert Rickter, of Baltimore, Md.; B.A. Mount St. Mary's College, 1974. Computer Science.
- Patrick James Roth, of Columbia, Md.; B.S.E.E. University of Akron, 1976. Electrical Engineering.
- Joseph George Rudnicki, of Ellicott City, Md.; B.S. Webb Institute of Naval Architecture, 1973. Computer Science.
- Wesley Dean Russell, of Silver Spring, Md.; M.S. University of Maryland, 1971. Computer Science.
- Roberta Evans Sabin, of Laurel, Md.; B.A. College of Notre Dame of Maryland, 1971; M.A. Villanova University, 1974. Computer Science.
- David T. Samber, of Baltimore, Md.; B.T.L. Ner Israel Rabbinical College, 1981. Computer Science.
- Kenneth Eric Sasser, of Severn, Md.; A.A. Anne Arundel Community College, 1974; B.S. Virginia Polytechnic Institute, 1977. Computer Science.
- Sheela Satish Satpute, of Columbia, Md.; B.S.E.E. University of Poma, India, 1972. Computer Science.
- Harry J. Schenk, of Severna Park, Md.; B.S. Loyola College, 1977. Computer Science.
- William Harry Schulden, of Laurel, Md.; B.S. University of Maryland, 1980. Computer Science.
- Stephen Eric Schuster, of Glenwood, Md.; B.S. University of Maryland, 1972. Computer Science.
- Fred Allen Semko, of Columbia, Md.; B.S. United States Naval Academy, 1972. Computer Science.
- Kenneth Joseph Shanks, of Lanham, Md.; B.A. The Johns Hopkins University, 1973. Computer Science.
- Philip Aubrey Shea, of Columbia, Md.; B.S.E.E. Lafayette College, 1980. Electrical Engineering.

- Brian Marshall Simmons, of Darlington, Md.; A.A. Harford Community College, 1977; B.S. University of Maryland, 1979. Numerical Science.
- Joseph Douglas Sinchak, of Laurel, Md.; M.S. University of North Carolina, 1976. Computer Science.
- Cynthia Elaine Smith, of New Carrollton, Md.; B.S.C.S. College of William and Mary in Virginia, 1979. Computer Science.
- Cynthia Jean Smith, of Pasadena, Md.; B.S. Clarion State College, 1975. Computer Science.
- Thomas Carl Smith, of Baltimore, Md.; B.S. University of Maryland, 1972. Computer Science.
- Michael Stephen Soukup, of Catonsville, Md.; B.S. Frostburg State College, 1978; B.S.E. University of Maryland, 1979. Electrical Engineering.
- Harold Robert Spiess, of Mitchellville, Md.; B.S.E.E. University of Dayton, 1975. Space Technology.
- Andrew Charles Stack, of Columbia, Md.; B.A. Lycoming College, 1974; M.A. The University of Rochester, 1976. Computer Science.
- Robert Bernard Stadler, of Baltimore, Md.; B.S.E. University of Maryland, 1980. Computer Science.
- Paul Robert Stevens, of Catonsville, Md.; B.A. University of Maryland at Baltimore County, 1975. Computer Science.
- Suzanne Ruth Stratton, of Baltimore, Md.; B.A. University of Maryland, 1979; B.S., 1980. Applied Physics.
- Daniel Lanier Stringfield, of Washington, D.C.; B.S. University of North Carolina, 1981. Computer Science.
- Michael Clark Sumser, of Vienna, Va.; B.A. College of William and Mary, 1980. Computer Science.
- Clifford Clinton Swint, of Washington, D.C.; B.S. Lafayette College, 1979. Computer Science.
- Barbara Blair Taylor, of Baltimore, Md.; B.A. The Johns Hopkins University, 1980. Computer Science.
- Kamlesh T. Tewani, of Gaithersburg, Md.; B.S.E.E. College of Engineering, India, 1974; M.S.E.E. Indian Institute of Technology, 1976. Computer Science.
- Ronald Joseph Thibault, of Glen Burnie, Md.; B.S.E.E. Pennsylvania State University, 1977. Computer Science.
- Dan Edward Tourgee, of Reisterstown, Md.; B.S.M.E. Drexel University, 1979. Environmental Engineering.
- Robin Wooten Tress, of Baltimore, Md.; B.A. Barnard College, 1967. Computer Science.
- Chang Shui-Ay Tseng, of Silver Spring, Md.; B.Ed. Taiwan National College of Education, 1975. Computer Science.
- David Mark Verven, of Columbia, Md.; B.S. University of Maryland, 1979. Electrical Engineering.
- Anandasothy Vignarasa, of Baltimore, Md.; B.S. College of the Holy Cross, 1962. Computer Science.
- Elyathamby Vignarasa, of Baltimore, Md.; B.S. University of Sri Lanka, Sri Lanka, 1964. Computer Science.
- Venita Mertz von der Linden, of Columbia, Md.; B.S. University of Southern California, 1980. Computer Science.
- Robert Andrew Washenko, of Greenbelt, Md.; B.S. State University of New York at Oneonta, 1979. Computer Science.
- Warren Robert Weber, of Columbia, Md.; B.S.E. Duke University, 1980. Computer Science.
- Alan Vincent Wenell, of Laurel, Md.; B.A. University of California, 1969. Computer Science.
- Neal Ray Whatcott, of Laurel, Md.; B.S. Brigham Young University, 1981. Electrical Engineering.
- Charles Henry Wiedemer, of Arnold, Md.; B.S. Stevens Institute of Technology, 1976. Applied Physics.
- David Lee Williamson, of Annapolis, Md.; B.S. Randolph Macon College, 1968. Computer Science.
- David Scott Wilson, of Columbia, Md.; B.A. Trenton State College, 1974; B.A. 1979. Computer Science.
- Wen-Jan Woan, of Potomac, Md.; Ph.D. University of Illinois, 1970. Computer Science.
- James William Wood, Jr. of Edgewood, Md.; B.S. Virginia Polytechnic Institute, 1974. Computer Science.
- John Edward Yania, of Silver Spring, Md.; B.S.E.T. Capitol Institute of Technology, 1983. Electrical Engineering.
- Yusan Daniel Yeh, of Silver Spring, Md.; B.S. Chung-Yuan Christian College, 1976. Computer Science.
- Jeffrey Miller Zacharias, of Columbia, Md.; B.S.E.E. Lafayette College, 1979. Computer Science.
- Joseph David Zakar, of Gambrills, Md.; B.S.E.E. Pratt Institute of Technology, 1974. Computer Science.
- Casimer Thaddeus Zawislak, Jr., of Laurel, Md.; B.S. University of Maryland, 1981. Computer Science.

MASTERS OF SCIENCE IN ENGINEERING

in The G.W.C. Whiting School of Engineering

- Syed Sarfaraz Ameen, of Karachi, Pakistan; B.E.E. University of Engineering and Technology, Karachi, Pakistan, 1983. Electrical Engineering and Computer Science.
- Stephen Barilovits, of Baltimore, Md.; B.S. University of Florida, 1978. Electrical Engineering and Computer Science.
- Philippe Baveye, of Braine-l'Alleud, Belgium; Agricultural Engineering degree, Catholic University of Louvain, Belgium, 1980. Mechanics.
The Theory of Water Transport through Heterogeneous Porous Media: A Relativist Approach.
- Kathleen Callaway, of Baltimore, Md.; M.A. University of Virginia, 1971; Ph.D., 1977. Electrical Engineering and Computer Science.
- Louis Albert Chan-Lizardo, of Baltimore, Md.; B.S. in E.E. The Johns Hopkins University, 1984. Electrical Engineering and Computer Science.
- Allen Charles Coomber, of Fountain Valley, Calif.; B.A. United States Naval Academy, 1983. Electrical Engineering and Computer Science.
- Roger Michael Crane, of Baltimore, Md. Materials Science and Engineering.
Flaw Criticality and Nondestructive Evaluation Techniques for Advanced Composite Externally Pressurized Cylinders.
- Gilbert Russell Cruz, of Franklin Square, N.Y. Civil Engineering.
Dynamic Analysis of Short Length Gravity Dams.
- Stanford Edward Fisher, Jr., of Kingsville, Md. Materials Science and Engineering.
An Investigation of Rapidly Solidified Fibers for Use in Telecommunication.
- Joshua Mordecai Friedman, of Roslyn, Pa.; B.A. Franklin and Marshall, 1980. Electrical Engineering and Computer Science.
- John Robbins Godshalk, of New Bern, N.C. Chemical Engineering.
Characterization of Bacteria from Extreme Environments: 1) Cell Growth, Attachment and Leaching of Iron Pyrite by Thiobacillus Ferrooxidans, 2) Growth and Characterization of Hydrothermal Vent Bacteria.
- Stephen Knox Grasberger, of Baltimore, Md.; B.A. Hamilton College, 1977. Electrical Engineering and Computer Science.
- Robert Joseph Guanti, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1982. Materials Science and Engineering.
Unique Four Electrode Current Interruption Technique for Determination of Electrolyte Conductivity.
- Joel Fay Hazlett, of Seattle, Wash.; B.S. Case Western Reserve University, 1982. Electrical Engineering and Computer Science.
- Michael Rudolf Huber, of Baltimore, Md. Materials Science and Engineering.
An Evaluation of the Electrochemical Behavior of Thermal Spray Metallic Coatings in Seawater.
- Martin Price Jones, Jr., of Baltimore, Md.; B.A. University of Maryland at Baltimore County, 1981. Materials Science and Engineering.
Comparison of Simulated Acoustic Emission Sources.
- Davar Khoshnevisan, of Tehran, Iran; B.A. The Johns Hopkins University, 1984. Mathematical Sciences.
- Yutai Thomas Koh, of Taipei, Taiwan, B.S. National Taiwan University, Taiwan, 1980. Electrical Engineering and Computer Science.
- Ian D. McCammon, of Bethesda, Md.; B.S. Loyola College, 1982. Materials Science and Engineering.
Design and Implementation of a Robot Finger with Conformal and Tactile Capabilities.
- William Oliver Morris, of Burnt Hill, N.Y.; B.S. Bucknell University, 1982. Chemical Engineering.
Vapor-Liquid Equilibria in Mixtures Containing Carbon Dioxide, Toluene, and 1-Methylnaphthalene.
- Mark Walter Orletsky, of Conemaugh, Pa. Electrical Engineering and Computer Science.
- John Kichu Pang, of Arlington, Va.; B.E.S. The Johns Hopkins University, 1983. Electrical Engineering and Computer Science.
- Philip Walter Richard, of Severn Md.; B.S. United States Military Academy, 1970. Electrical Engineering and Computer Science.
- Laurence Ralph Riddle, of Arnold, Md.; B.S. Georgia Institute of Technology, 1981. Electrical Engineering and Computer Science.
- Susan Fay Rudy, of Wallingford, Pa.; B.A. Bucknell University, 1979; B.S., 1979. Geography and Environmental Engineering.

- Joseph Gerard Ruggiero, Jr., of Baltimore, Md.; B.S. Villanova University, 1971. Chemical Engineering.
Thermally Induced Nucleation: A New Way to Obtain Activation Energies for Unimolecular Reactions.
- Paul Robert Schuster, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1981. Materials Science and Engineering.
A Durability Study of Pericardial Bioprostheses.
- David Henry Sherry, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1982. Chemical Engineering.
The Effects of Diffusion and Intrinsic Kinetics on the Production Rate of Aspartic Acid by Aspartase in Escherichia Coli K-12.
- Julianto Sidarto, of Jakarta-Selatan, Indonesia; B.S. in E.E. The Johns Hopkins University, 1984. Electrical Engineering and Computer Science.
- John James Smith, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1981. Materials Science and Engineering.
Nondestructive Characterization of Rapidly Solidified Aluminum-Manganese Alloys.
- Leo Steven Szmanski, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1980. Chemical Engineering.
The Effect of Surface Active Agents on the Crystallization of Silver Sulfate.
- Chiernthai Tangtatsawasdi, of Bangkok, Thailand; B.E. Chulalong Korn University, Thailand, 1978. Electrical Engineering and Computer Science.
- John Frances Walker, of Glen Burnie, Md.; B.E.S. The Johns Hopkins University, 1984. Electrical Engineering and Computer Science.
- Yu-Lin Wang, of Taipei, Taiwan; B.S.E. National Taiwan University, 1980. Electrical Engineering and Computer Science.
- John Benedict Wotell, of Baltimore, Md.; A.A. Essex Community College, 1980; B.S.C.E. University of Delaware, 1982. Civil Engineering.
- Che-Liang Yang, of Taipei, Taiwan; B.S. National Chiao Tung University, China, 1979. Electrical Engineering and Computer Science.

MASTERS OF ARTS

in The G.W.C. Whiting School of Engineering

- Frederick Cahill Bennett, of Baltimore, Md.; B.A. Swarthmore College, 1973. Geography and Environmental Engineering.
- Georgia Rose Marino, of Maplewood, N.J.; B.S. University of Rochester, 1978. Geography and Environmental Engineering.
Environmental Reconstruction in the Potomac Estuary: A Stratigraphic Study of Diatom Populations.
- Kirkman O'Neal, of Providence, R.I.; B.A. Brown University, 1982. Geography and Environmental Engineering.
- Marcia Olson, of Philadelphia, Pa.; B.A. University of Pennsylvania, 1965. Geography and Environmental Engineering.
Entrainment and Thermal Effects on Zooplankton Abundance, Distribution and Vitality from the Once-Through Cooling System of the Chalk Point Steam Electric Generating Station, Patuxent River, Maryland.

MASTERS OF ARTS

in The School of Arts and Sciences

- Mary Elizabeth Albert, of Jacksonville, Fla.; B.A. University of Tennessee, Chattanooga, 1983. Writing Seminars.
Naming What We Fear.
- David John Anastasio, of Camp Hill, Pa.; B.S. Franklin & Marshall College, 1980. Earth and Planetary Sciences.
- Sallie Gwin Anderson, of Gulfport, Miss.; B.A. University of Southern Mississippi, 1983. Writing Seminars.
Pyramids and Other Stories.
- John Michael Anthony, of Cleveland, Ohio; B.E.S. Cleveland State University, 1980. Physics.
A Helium-3 Cryostat for Mossbauer Spectroscopy.
- Rosemary Arrojo, of Sao Paulo, Brazil; B.A. University of Sao Paulo, Brazil, 1973; M.A. University of Essex, England, 1977; M.A. The Johns Hopkins University, 1982. Romance Languages.
- David John Baker, of Kentwood, Mich.; B.A. Calvin College, 1979. English.

- Gilda E. Ballester, of Rio Piedras, Puerto, Rico; B.S. University of Puerto Rico, 1980. Physics.
- Brian Henry Balogh, of Miami, Fla.; B.A. Harvard University, 1975. History.
- Ellen Beth Barrabee, of Northridge, Calif.; B.A. University of California, San Diego, 1978. Chemistry.
- Steven Thomas Barthelme, of Houston, Texas; B.A. University of Texas at Austin, 1972. Writing Seminars.
Long Gone.
- Charles Edward Beckman, of Erie, Pa. Writing Seminars.
Baby Boom.
- Donald Richard Bennett, of St. Louis, Mo.; B.A. St. Louis University, 1975; M.S., 1981. Biology.
- Ronald Gary Bialek, of New Hyde Park, N.Y.; B.A. The Johns Hopkins University, 1978. Public Policy.
Physician Supply and Its Impacts on Future Health Care Expenditures.
- Carol Ann Blenkner, of Baltimore, Md.; B.S. Loyola College, 1981. Chemistry.
- Ann Rebecca Boggs, of Grand Forks, N.D.; B.A. Miami University, 1981; B.S.E., 1981; M.A., 1982. History.
- William David Bowman, of Woodburn, Oreg. History.
- Laura Lee Brookhart, of Annandale, Va.; B.A. Loyola College, 1983. Writing Seminars.
The Celebrationists.
- Dat Bui-Quang, of Rockville, Md. Political Economy.
- James Stewart Burbidge, of Peterborough, Ontario, Canada; B.A. Trent University, Canada, 1981. English.
- Kathleen Marie Burke, of Baltimore, Md.; B.A. Washington College, 1983. Writing Seminars.
Out of the Blue.
- Jacqueline Dale Cauthorn, of Whiteford, Md.; B.A. King's College, 1978. Biology.
- Joyce Elizabeth Chaplin, of Antioch, Calif.; B.A. Northwestern University, 1982. History.
- Robert Augustus Chee-Mooke, of Port-of-Spain, Trinidad, West Indies; M.A. Howard University, 1972. Philosophy.
- Lisa Beth Chichura, of Searingtown, N.Y.; B.A. Smith College, 1981. Physics.
- Ava Chitwood, of Cambridge, Mass.; B.A. University of Massachusetts, 1981. Classics.
- Siegried Benjamin Christensen IV, of New Orleans, La.; B.S. Louisiana State University, 1978. Chemistry.
- William George Chrystal, of Adamstown, Md.; B.A., M.Ed. University of Washington, 1969; M.Div. Eden Theological Seminary, 1978. History.
Horace Bushnell in California.
- Jonathan Reuben Cohen, of Philadelphia, Pa.; B.A. Harvard College, 1980. Philosophy.
- Henry Avery Combellick, of El Paso, Texas. Writing Seminars.
From Here on Out.
- Frederick William Conrad, of Boston, Mass. History.
- John William Cox III, of Columbia, S.C.; B.S. University of South Carolina, 1974. Chemistry.
- Clifton Charles Crais, of New Orleans, La. History.
- Daniel Alan Crane, of Canandaigua, N.Y.; B.A. University of New York at Cortland, 1980. Romance Languages.
- Ingrid Christa Deckman, of Mt. Wolf, Pa. Chemistry.
- Page Dougherty Delano, of Danbury, Conn.; B.A. University of Maryland, Eastern Shore, 1983. Writing Seminars.
Watching the Girls Skate.
- Susan Derwin, of Studio City, Calif.; B.A. Cornell University, 1981. German.
- David Charles Dibb, of Baltimore, Md.; A.A. Imperial Valley College, 1977. English.
- Francis Joseph Donoghue, of Baltimore, Md. English.
- Fae Antoinette Dremock, of Dallas, Texas, B.A. University of Wisconsin, 1983. Writing Seminars.
Circadian Rhythms.
- Leon Anthony Epps, of Baltimore, Md.; B.S. Morgan State College, 1966. Chemistry.
- Christina Failla, of Lake Grove, N.Y.; B.A. State University of New York at Cortland, 1980. Romance Languages.
- Linda Jean Felch, of Morristown, N.J.; B.A. The Johns Hopkins University, 1984. Psychology.
Evaluation of Memory Complaints in Patients With Complex Partial Epilepsy.
- Marjorie Martin Fisher, of Detroit, Mich.; B.S. Trinity College, 1980. Near Eastern Studies.
Bird, Gazelle/Ibex and Horse Motifs.
- Ian Christopher Fletcher, of Burlington, Vt.; B.A. Harvard College, 1979. History.
- Susan Elizabeth Frennsson, of Naugatuck, Conn. History.
Political Relations Between the Jews of South Africa and the National Party to 1948.
- Richard Lawrence Fried, New York, N.Y.; B.A. The Johns Hopkins University, 1984. Psychology.
Possible Role for an Endogenous Opiate System in the Behaviors Associated With Bilateral Cerebral Ischemia in the Mongolian Gerbil.
- Deborah Lynne Galyan, of Bloomington, Ind. Writing Seminars.
Photograph of Burning Lake.

- Sabu Mathew George, of Kottayam, India; M.S. Indian Institute of Technology, Bombay, India, 1980. Chemistry.
- Marius Gerber, of Republic of South Africa; B.S. University of Stellenbosch, South Africa, 1974. Earth and Planetary Sciences.
- Susan Lynn Gilbert, of Shreveport, La.; B.S. Massachusetts Institute of Technology, 1978; M.S., 1978. Biology.
- Michael Vaughn King Gilliland, of Okemos, Mich.; B.A. Michigan State University, 1977; M.A. University of Illinois at Chicago Circle, 1980. Philosophy.
- Bonni Ellen Goldberg, of St. Louis, Miss.; B.A. The Johns Hopkins University, 1982. Writing Seminars.
How We Live With Ourselves.
- Christine Carrie Maude Gorman, of Talence, France; B.A. William Marsh Rice University, 1982. Writing Seminars.
A Broad Margin.
- Janet Irene Guest, of Pottstown, Pa. Romance Languages.
- William Glenn Gunhouse, of Victoria, British Columbia, Canada; B.A. University of Toronto, Canada, 1981. History of Art.
- Richard Lewis Hall, Jr., of Melrose, Mass.; B.A. The Johns Hopkins University. History.
Maryland in Liberia: An Agrarian Commonwealth in Africa.
- Trevor Paul Hall, of Kingston, Jamaica; B.S. Arizona State University, 1975; M.A., 1979. History.
- David John Hepler, of Summit, N.J.; B.A. Washington and Lee University, 1982. Psychology.
- Juan Homero Hinojosa, of Eagle Pass, Texas; B.S. Brown University, 1979. Earth and Planetary Sciences.
- Liang-Kang Huang, of Baltimore, Md. Physics.
- John James Humpal, of Baltimore, Md.; B.A. Ohio Wesleyan University, 1980. Psychology.
- Richard S. Janis, of Niles, Ill.; B.A. Northwestern University, 1978. Biology.
- Andrew Liljestrang Janquitto, of Orange, N.J.; B.A. Wilkes College, 1980. Writing Seminars.
Catch-As-Catch Can.
- Ann Rae Jonas, of New York, N.Y. Writing Seminars.
Selected Prose.
- Mark Russell Jones, of Bakersfield, Calif.; B.A. California State College, Bakersfield, 1980. Political Science.
Chief Executive Politics and Intergovernmental Policy-making: Presidential Courtship of the Mayors and Governors from Roosevelt to Reagan.
- Michael Ernest Kauppinen, of Towson, Md.; B.A. Fordham University, 1975. Classics.
- Lily E. Kay, of Baltimore, Md.; B.A. New York University, 1969. History of Science.
Conceptual Models and Analytical Tools: The Biology of the Physicist Max Delbrück, 1931-1946.
- Frank James Kearney, of Baltimore, Md.; B.A. Loyola University, 1979. Psychology.
- Steven Alan Kern, of Hampden, Mass.; B.A. University of Massachusetts, 1981. History of Art.
- David John Kerr, of Stevenage, England; B.A. The University of Leeds, England, 1982. History.
The Reform of the House of Lords in Edwardian Britain, 1906-1914: An Episode in Unionist Politics.
- Wai-Ping Lam, of Hong Kong; B.S. University of Hong Kong, 1983. Physics.
- Lowell David Lamb, of El Cajon, Calif. Physics.
- Daniel Bosworth Lapham, of Albany, N.Y.; B.A. Dartmouth College, 1982. Physics.
- Kenneth Floyd Ledford, of Gulfport, Miss.; B.A. The University of North Carolina, 1975; J.D., 1978. History.
- Laura Ellen Levine, of Baltimore, Md.; B.A. Bryn Mawr College, 1976. English.
- Sy-Sang Liaw, of Kaohsiung, Taiwan; M.S. National Taiwan University, Taiwan, 1983. Physics.
- Charles Thomas Lienesch, of Everett, Wash.; B.A. University of Washington, 1977. Political Economy.
- Stanley Irving Lippmann, of Tarrytown, N.Y. Physics.
- Andrea Nanette Loselle, of New York, N.Y. French.
- Victor Ernest Luftig, of Larchmont, N.Y. English.
- Julia Marie Lupton, of Philadelphia, Pa.; B.A. The Johns Hopkins University, 1984. Humanities.
- Gerald Stephen Majer, of Chicago, Ill. Writing Seminars.
Houses.
- Joseph Paul Marino, of Lincoln, R.I.; B.A. Hampshire College, 1976. Humanities.
- Nicos Martys, of Canandaigua, N.Y. Physics.
- Elisa Christine Massimino, of Dallas, Texas; B.A. Trinity University, 1982. Philosophy.
- David Brooks McKinney, of Colorado Springs, Colo.; B.S. Beloit College, 1975. Earth and Planetary Sciences.
- John Bruce Michael, of Rochester, N.Y.; B.A. Cornell University, 1975. Humanities.
- Louisa Frances Miller, of Alexandria, Va.; B.A. Cornell University, 1977. Sociology.
- Brian Stewart Mirsky, of West Palm Beach, Fla.; B.A. The Johns Hopkins University, 1983. Political Science.
V.O. Key, Jr. in the Development of Political Science in America.

- Molisana Gabriel Molisana, of Butha-Buthe, Lesotho; B.S. Cuttington University College, Liberia, 1976. Physics.
- Gerardo Andres Munoz, of Concepcion, Chile. Physics.
- James Patrick O'Rourke, of Augusta, Maine. Writing Seminars.
Waltz Attitude.
- Ted Michael Ownby, of Cookeville, Tenn.; B.A. Vanderbilt University, 1982. History.
- Juliana Mary Panos, of Wilmington, Del.; B.A. Smith College, 1982. Earth and Planetary Sciences.
Phalanx and Guerilla Strategies of Growth in Plants.
- Yi-Chuan Pei, of Chengtu, Sichuan, China; B.S. University of Science and Technology of China, 1982. Physics.
- Allan Stuart Posner, of Baltimore, Md.; B.A. The Johns Hopkins University, 1981. Physics.
A Monte Carlo Technique for Modeling Muon Capture in Holmium and the Subsequent Neutron Spectrum.
- Juliette Silène Rossant, of New York, N.Y.; B.A. Dartmouth College, 1981. Writing Seminars.
The Night is Bent.
- Elizabeth Wiggins Rubinsky, of Goldsboro, N.C.; B.S. The University of North Carolina, 1980. Psychology.
- Teri Lee Ruch, of Dodgeville, Wis.; B.A. Rice University, 1980. Writing Seminars.
Phillip Whist.
- Samira Renee Saliba, of New Orleans, La.; B.A. The Johns Hopkins University, 1982. Psychology.
- Magdalena Sofia Sanchez, of South Orange, N.J.; B.A. Seton Hall University, 1981. History.
- David Edward Satola, of Milwaukee, Wis.; B.A. The Johns Hopkins University, 1982. History.
The Chesapeake Marine Railway and Drydock Company: The History of a Black Labor Cooperative During Reconstruction.
- Joanna M. Schwartz, of Baltimore, Md.; B.A. The Johns Hopkins University, 1980. Biology.
- Robert B. Shepard, of Fresh Meadows, N.Y.; B.A. Queens College, 1975. Political Science.
The Formulation of American Foreign Policy Towards Socialist Chile.
- Susan Jane Siggelakis, of Fords, N.J.; B.A. Rutgers University, 1979. Political Science.
The Politics of Cost-Benefit Analysis.
- Harvey Alan Singer, of New York, N.Y.; B.A. Queens College, 1978. Earth and Planetary Sciences.
- Laurie Christine Smith, of Ottawa, Canada. Sociology.
- Marcia Smith, of Baltimore, Md. Earth and Planetary Sciences.
- Sandra Benton Solomon, of Baltimore, Md.; B.A. University of Chicago, 1970; M.A., 1971. Writing Seminars.
Letter to Australia.
- Jay Scott Sonenthal, of Dallas, Texas; B.A. North Texas State University, 1979. Chemistry.
- Jeffrey Philip Spike, of Reston, Va.; B.A. Beloit College, 1975; M.A. University of Chicago, 1977. Philosophy.
- Patricia Ann Steccone, of San Francisco, Calif.; B.A. San Francisco State University, 1980. Classics.
- Kathleen Frances Stein, of Plymouth, Mich.; B.A. University of Michigan, 1979. History of Art.
- Christopher Burghard Steiner, of New York, N.Y.; B.A. The Johns Hopkins University, 1984. Humanities.
- Julia Denise Stricker, of Annapolis, Md. Writing Seminars.
Aerial Portrait.
- Mark Albert Suskin, of Columbia, Md. Physics.
- Daniel Robert Talham, of Fayetteville, N.Y. Chemistry.
- Tetsuzo Tanaka, of Matsuyama, Japan; B.S. Ehime University, Japan, 1977. Biology.
- Thomas Dwayne Tillman, of Nashville, Tenn.; B.A. Vanderbilt University, 1981. Political Science.
Dixiecrats and the Disruption of the Solid South.
- Leah Carol Ulansey, of Elkins Park, Pa.; B.A. Bryn Mawr College, 1978. German.
- Jolanda Vailati, of Granite, Md. Political Science
A Review of the Politics for the Mezzogiorno Against the National Political and Economic Background (1961-1982).
- Robert Sergius Wagman, of Athens, Greece. Classics.
- Michael David Warner, of Suffolk, Va.; B.A. Oral Roberts University, 1979. English.
- Julie Marie Watson, of Rochester, Mn.; B.A. Coe College, 1979. Psychology.
- Susan Adams White, of Princeton, N.J. Chemistry.
- Joel Scott Wilcox, of Baltimore, Md.; B.A. University of California, Irvine, 1973. Philosophy.
- Sherilyn Coretta Williams, of St. Louis, Mo.; B.A. Oberlin College, 1981. Earth and Planetary Sciences.
- Sevag S. Yarialian, of Kessab, Syria. Writing Seminars.
A Death of Bees and Other Poems.
- George Thomas Yatchisin, of Paterson, N.J.; B.A. The Johns Hopkins University, 1983. Writing Seminars.
Eleventh Hour.
- Andrew Adam Zipper, of New York, N.Y. History.
American Steel, 1959-1982: Strategies for Survival.

DOCTORS OF EDUCATION in The Evening College

- Vira Castoro Froehlinger, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1966; M.Ed. Loyola College; C.A.S.E. The Johns Hopkins University, 1975.
A Study of Selected Variables for the Positive Identification of Handicapped Children Under Four Years of Age.
- Starrette Eleftheria Galanis, of Woodsboro, Md.; M.Ed. University of Virginia, 1977.
The Effects of Organizational Skills Training Sessions or a Monetary Incentive on the Short-Term Memory Performance of Learning Disabled Adolescents.
- Gail May McGregor, of Smithsburg, Md.; M.S. University of Wisconsin, 1979.
Parent Training and the Generalization of Skills in Programs for Pre-School Handicapped Children.
- Kathy Lee Shell, of Towson, Md.; M.Ed. Loyola College, 1975.
The Validation of the Writing Assessment Test.
- Wendy Eileen Zimmerman, of Baltimore, Md.; B.S. University of Maryland, College Park, 1972; M.S. The Johns Hopkins University, 1978; M.S. 1981.
The Reliability and Validity of the Bem Sex Role Inventory [BSRI] for Predicting Achievement of Mathematically Gifted Adolescents.
- Barbara G. Zirkin, of Baltimore, Md.; B.A. Hunter College, 1965; M.A. University of Rochester, 1968; M.A. The Johns Hopkins University, 1979.
Item Bias on the California Achievement Tests Using High Ability Males and High Ability Females.

DOCTORS OF MUSICAL ARTS in The Peabody Conservatory of Music

- Nancy J. Boston, of Stevens Point, Wis.; B.M. Lawrence University, 1973; M.M. Peabody Conservatory of Music, 1975. Piano.
Piano Sonatas and Suites of Norman Dello Joio, 1941-1948.
- Nathan Carter, of Baltimore, Md.; B.S. Hampton Institute, 1957; Diploma Juilliard School of Music, 1959; M.S., 1960. Choral Conducting.
Samuel Coleridge-Taylor: His Life and Works.
- Michael McGill Coonrod, of Interlochen, Mich.; B.M. University of Montana, 1972; M.M. Peabody Conservatory of Music, 1974. Piano.
Aspects of Form in Selected String Quartets of the Twentieth Century.
- Noel Kirby Lester, of Gasport, N.Y.; B.M. Peabody Conservatory of Music, 1973; M.M., 1975. Piano.
Richard Franko Goldman: His Life and Works.
- Kay Robertine Pace, of Mobile, Ala.; B.A. Xavier University of Louisiana, 1968; M.M. Southern Illinois University, 1970. Piano.
The Solo Piano Suites of Robert Nathaniel Dett (1882-1943).
- Pamela Layman Quist, of Baltimore, Md.; B.M. Peabody Conservatory of Music, 1971; M.M., 1973. Composition.
Indeterminate Form in the Work of Earle Brown.

DOCTORS OF SCIENCE

in The School of Hygiene and Public Health

Diane M. Becker, of Baltimore, Md.; B.S. The Johns Hopkins University, 1978; M.P.H., 1979. Health Policy and Management.

Risk Behavior and Risk Factors in Siblings of People with Early Coronary Disease.

John F. Bunker, of Concord, N.H.; B.A. Birmingham-Southern College, 1971; M.H.S. The Johns Hopkins University, 1978; Behavioral Sciences.

Women's Social Roles, Sex Role Attitudes and Preventive Health Behaviors.

Elsbeth Mew Ling Chee, of Ewa Beach, Hawaii; B.A. Stanford University, 1975; Behavioral Sciences.

The Diffusion of Innovation Among Plastic Surgeons.

Tung-liang Chiang, of Taiwan, Republic of China; B.P.H. National Taiwan University, 1978; Health Policy and Management.

The Trend for Blue Cross Admission Rates and Its Divergence from the Trend for Non-Blue Cross Admission Rates.

Thomas Andrew Clopton, of Columbia, Md.; B.S. University of California, 1974; M.P.H. University of California, 1976; Health Policy and Management.

An Analysis of Methodologies for the Delineation of Hospital Service Planning Areas.

Barry Richard Engber, of Old Bridge, N.J.; A.B. Rutgers University, 1974; Immunology and Infectious Diseases

*The Functional Numerical Responses of the Predatory Mosquito *Toxorhynchites Amboinensis*.*

Ann Elizabeth Hall Harvey, of Baltimore, Md.; B.S. University of Maryland, 1964; M.S., 1967; Health Policy and Management.

Effects of Personal and Family Smoking-Related Disease on Smoking Behavior Among Registered Nurses.

Karen Leora Hulebak, of Tulsa, Okla.; B.A. Washington University, 1977; Mental Hygiene.

The General and Neurobehavioral Toxicology of Trimethyltin in the Mouse.

Lauri Parnes Kane, of Maplewood, N.J.; B.H.S. University of Florida, 1977; M.P.H. University of Puerto Rico, 1979; Maternal and Child Health.

Daily Maternal Stress and the Onset of Acute Symptoms of Illness in the Preschool Child.

Iraj Karimi, of Fassa, Iran; B.S. Social Services College, 1967; M.S.W., 1974; M.P.H. The Johns Hopkins University, 1980; Health Policy and Management.

Application of Cost-Effectiveness Analysis and Resource Allocation Techniques in Family Planning Program.

Bruce Michael Lantrip, of Herrin, Ill.; B.A. Southern Illinois University, 1976; Environmental Health Sciences.

Decay of Enteric Bacteria in an Estuary.

Rose Marie Martinez, of Compton, Calif.; B.A. University of Southern California, 1978; Behavioral Sciences.

Alcohol Consumption Patterns and Hypertension.

Robert Hildreth McKnight, of Ozark, Ala.; B.S.N. University of Alabama, 1973; M.S.N., 1975; M.P.H. The Johns Hopkins University, 1980; Health Policy and Management.

U.S. Agricultural Equipment Fatalities 1975-1981: Implications for Injury Control and Health Education.

Elizabeth McLoughlin, of Cambridge, Mass.; B.A. Manhattanville College, 1962; M.A.T., 1967; M.A. Columbia University Teachers College, 1972; Health Policy and Management.

Placement and Function of Smoke Detectors in Owner Occupied Homes.

Charles I. Noss, Jr., of Logsville, Pa.; B.A. Shippensburg State College, 1974; S.C.M. The Johns Hopkins University, 1978; Environmental Health Sciences.

Chlorine Dioxide Reaction in $\phi 2$ Bacteriophage Inactivation.

Donna Ruth Parker, of Medford, Mass.; A.B. Boston University, 1972; B.S. Baylor College of Medicine, 1977; Maternal and Child Health.

Development of Juvenile Hypertension.

Joseph B. Perrone, of Lynbrook, N.Y.; B.Sc. University of Delaware, 1976; Immunology and Infectious Diseases.

Structure and Function of the Bursa Inseminalis: Its Role in Mating Inhibition and Insemination.

Gordon Russell Sandford, of Baltimore, Md.; B.S. Davis and Elkins College, 1969; M.S. The Johns Hopkins University, 1979; Epidemiology.

Genetics of Mouse Cytomegalovirus Susceptibility to Acyclovir.

- Olive Sono Shisana, of Pietersburg, South Africa; B.A. University of the North, 1974; M.A. Loyola College, 1979; Behavioral Sciences.
An Investigation of the Role of Psychosocial Factors on the Health Status of a Displaced Population.
- Heather Gail Stockwell, of Toronto, Canada; B.A. York University, 1964; M.Sc. McMaster University, 1977; Epidemiology.
Lung Cancer Risks Among Painters.
- Robert G. Vaughan III, of Baltimore, Md.; B.E.S. The Johns Hopkins University 1959; M.S., 1967; Health Policy and Management.
The Effect of Physician Practice Patterns on Hospital Resource Consumption.
- Jackie Wood, of Liverpool, England; B.Sc. University of London, 1961; M.S. 1970; Health Policy and Management.
Cutting Down: The Reduction of Cardiovascular Risk Through the Reduction of Cigarette Consumption in Individuals.
- Louise Marie Wulff, of Baltimore, Md.; B.S.N. University of Cincinnati, 1960; M.S.N. University of Maryland, 1975; Maternal and Child Health.
A Study of Anxiety, Self-Esteem, Behavior Problems and Academic Achievement in Child Survivors of Leukemia.

DOCTORS OF PUBLIC HEALTH

in The School of Hygiene and Public Health

- Carol Craigle Adelman, of Chicago; Ill.; B.A. University of Colorado, 1968; M.S. Georgetown University, 1970; M.P.H. The Johns Hopkins University, 1979. International Health.
An Analysis of the Effect of Maternal Care and Other Factors Affecting the Growth of Poor Children in Lima, Peru.
- Clayton A. Ajello, of Briarcliff Manor, N.Y.; B.A. State University of New York, 1972; M.P.H. Yale University, 1975. International Health.
Performance Assessment By Field Supervisors in Primary Health Care.
- Monique G. Julien, of Montreal, Quebec, Canada; B.Sc. Dom. Université Laval, 1958; M.Sc. Université De Montréal, 1975; M.P.H. The Johns Hopkins University, 1975. Health Policy and Management.
A Dental Health Education for 5th Graders.
- Ezatollah Keyvan-Larijani, of Tehran, Iran; M.D. University of Tehran, 1969; M.P.H. The Johns Hopkins University, 1974, Population Dynamics.
Fertility Differentials in a Rural Community.
- Patricia Ann Piché O'Hare, of Bowie, Md.; B.S.N. The Catholic University of America, 1965; M.S. University of Maryland, 1976; M.P.H. The Johns Hopkins University, 1980. Health Policy and Management.
Examining the Discharge Planning Process: An Evaluation of Two Models in an Acute Care Community Hospital.
- Mercy Nnenna Abengowe Obayan, of Ogori, Kwara State, Nigeria; B.Sc. Ibadan University, 1968; M.Sc. Yale University, 1971; M.P.H., 1971, Health Policy and Management.
The Effectiveness of Maternity and Infant Care and Improved Pregnancy Outcome Prognosis in Appalachian Counties of Ohio.
- Francisco Santos Sy, of Manila, Philippines; B.S. University of the Philippines, 1970; M.D. University of the Philippines, 1975; S.M. Harvard University, 1981. Immunology and Infectious Diseases.
Effect of Oral Contraceptives on Women with Schistosomiasis japonicum in Leyte, Philippines.
- Mary E-Ming Young, of China; B.S. University of Wisconsin, 1975; M.D. University of Wisconsin, 1979; M.P.H. Johns Hopkins University, 1981. International Health.
A Study of Barefoot Doctor Activities in China.

DOCTORS OF PHILOSOPHY

in The School of Hygiene and Public Health

Gail Rochelle Bellamy, of Los Angeles, Calif.; M.A. Pepperdine University, 1978; B.A. UCLA, 1973. Behavioral Science.

Policy Implications for Adolescent Deviance: The Case of Indian Alcohol Prohibition.

William Douglas Bennett, of Colorado Springs, Colo.; B.S. United States Air Force Academy, 1974. Environmental Health Sciences.

Estimation of Lung Airspace Dimensions by Aerosol Recovery: Effect of Lung Inflation and Deflation.

David George Campbell, of New York, N.Y.; B.A. Kalamazoo College, 1971; M.S. University of Michigan, 1973. Immunology and Infectious Diseases.

The Ecology of the Parasite, Paramoeba perniciosa, in Blue Crabs, Callinectes sapidus.

David J. Cichowicz, of Reading, Pa.; B.S. Saint Joseph's University, 1978. Biochemistry.

Characterization of Polyphosphoglutamate Synthetases.

Paul J. Converse, of Silver Spring, Md.; B.A. Ohio University, 1968; M.Sc. University of Durham, 1977; M.H.S. The Johns Hopkins University, 1980. Immunology and Infectious Diseases.

The Effect of Cyclosporin on the In Vitro Response of Human Lymphocytes to Cytomegalovirus.

Ralph Dawson, Jr., of Frisco City, Ala.; B.A. University of South Alabama, 1976; M.A. University of Alabama, 1979. Environmental Health Sciences.

Neurochemical Consequences of Monosodium Glutamate-Induced Arcuate Nucleus Damage: A Biochemical Pharmacological and Behavioral Assessment.

RoseMarie B. Deibel, of Columbus, Ohio; B.S. University of Dayton, 1977; M.S. Ohio State University, 1980. Environmental Health Sciences.

Biosynthetic and Structural Studies on Pheomelanin.

Carl William Dieffenbach, of Colorado Springs, Colo.; B.S. University of Maryland, 1976. Biochemistry.

Regulation of IFN Synthesis, IFN Induction and Action.

Marie Diane Diener, of Lombard, Ill.; B.S. Loyola University of Chicago, 1977. Biostatistics.

Reaction Time Models—A Mixed Model and Bayesian Approach.

Wanwan Sy Din., of Vienna, Va.; B.A. University of Colorado, 1978. Environmental Health Sciences.

Influence of Metallothionein on A Response to Cadmium in Isolated Rat Hepatocytes.

Alan Harvey Dorfman, of Philadelphia, Pa.; B.A. St. John's College, 1963; M.A. The Johns Hopkins University, 1968. Biostatistics.

T-Robust Variance Estimation in Least Squares Linear Regression.

Ahmed Husein Esa, of Hargesia, Somalia; B.A. Miami University, 1978; M.S. Wright State University, 1980. Immunology and Infectious Diseases.

Influences of Nutrition on Immunity and Resistance to Murine Viral Hepatitis.

Klaus Max Esser, of Columbia, Md.; B.S. Pennsylvania State University, 1970. Immunology and Infectious Diseases.

Monoclonal antibody analysis of Trypanosoma brucei rhodesiense metacyclic and blood form trypanosomes.

George H. Fenwick, of Arlington, Va.; B.A. Washington and Jefferson College, 1975. Immunology and Infectious Diseases.

Feeding Behavior of Waterfowl in Relation to Changing Food Resources in the Chesapeake Bay.

Wayne Paul Fitzmaurice, of Milford, Conn.; B.S. Fairfield University, 1979. Biochemistry.

Molecular Biology of Transformation in Haemophilus: Development of Bacteriophage HP1C1 as a Probe.

Deborah L. Grady, of Norwalk, Conn.; B.A. Goucher College, 1975. Biochemistry.

An Analysis of Plasma Membrane Proteins from Normal and Highly Tumorigenic Syrian Hamster Embryo Cells by Two Dimensional Gel Electrophoresis.

Fred S. Hauchman, of Aberdeen, Md.; B.A. University of Delaware, 1975; M.S.P.H. University of North Carolina, 1976. Environmental Health Sciences.

Comparative Inactivation of Viruses With Chlorine Dioxide.

Sharon Ruth Haymaker, of Baltimore, Md.; B.S.N. University of Maryland, 1970; M.S.N. Case Western Reserve University, 1973. Behavioral Sciences.

Resolution of Health Related Malpractice Claims in Maryland.

- Robin Packer Hertz, of Bethesda, Md.; B.S. Boston University, 1972; M.P.H. The Johns Hopkins University, 1977. Environmental Health Sciences.
A Case-Control Study of Occupational Hand Injury.
- Eric Stalin Johnson, of Freetown, Sierra Leone; M.B.; B.S. University of Newcastle-Upon-Tyne, 1970; M.P.H. Harvard University, 1978. Epidemiology.
Cancer Mortality Among Workers in the Meat Industry.
- Timothy John Jorgensen, of Florham Park, N.J.; M.S. Fairleigh Dickinson University, 1979; B.S. Fordham University; 1977. Environmental Health Sciences.
DNA Damage in Mammalian Cells Caused by Low Doses of Ionizing Radiation.
- Wendy Eileen Kaye, of New Castle, Pa.; B.A. Vanderbilt University, 1978; M.H.S. The Johns Hopkins University, 1980. Epidemiology.
A Study of Respiratory Problems in the Mothers and Siblings of Infants Dying from Sudden Infant Death Syndrome.
- Paul J. Kontur, of Bedford, Ohio; B.A. Kent State University, 1977. Environmental Health Sciences.
Manganese Toxicity in the Developing Rat Brain: Involvement of Monoamine Systems.
- Beatrice M. Kovaszny, of Albany, N.Y.; B.A. Harvard University, 1972; M.D. The Johns Hopkins University, 1976; M.P.H., 1978. Epidemiology.
Study of Health Effects of Herbicides.
- Walter Joseph Kozumbo, of Baltimore, Md.; A.B. Princeton University, 1967; M.S. Purdue University, 1973; M.L.A. The Johns Hopkins University, 1976. Environmental Health Sciences.
I. Dimethyl Phthalate: Studies on Metabolism, Tissue Binding and Genotoxicity.
II. 2(3)-Tert-Butyl-4-Hydroxyanisole: Effects on Early Biochemical Events Associated with Tumor Promotion.
- Doris Larson, of Seattle, Wash.; B.S. University of Washington, 1970. Biochemistry.
Production of Sindbis Virus and Vesicular Stomatitis Virus in a Concanavalin A-Resistant Chinese Hamster Ovary Cell Line.
- Beth L. Laube, of Baltimore, Md.; B.A. Environmental Health Sciences.
Studies of the Relationship Between Pulmonary Distribution of a Polydisperse Aerosol and Bronchial Hyperreactivity in Patients.
- Suo Win Liu, of Ellicott City, Md.; B.A. Goucher College, 1974. Biochemistry.
Cloning and Expression of Purine Salvage Enzymes.
- Mary Jane Martin, of Somerdale, N.J.; M.P.H. The Johns Hopkins University, 1980; B.A. University of Pennsylvania, 1977; B.S., 1977. Epidemiology.
A Retrospective Study of Primary Open Angle Glaucoma.
- Linda Susan Mathis, of Tempe, Ariz.; B.S. University of Maryland, 1978. Biochemistry.
Interactions of DNA with Transformable Neisseria Gonorrhoeae.
- Norma Carroll Morin, of Lake Charles, La.; M.P.H. Tulane University, 1975; B.S. McNeese State University, 1974. Epidemiology.
The Effect of Multidisciplinary Care on the Long-Term Functional and Health Status of Patients with Rheumatoid Arthritis.
- Steven Patrick Nickell, of Sacramento, Calif.; B.A. University of California, 1975. Epidemiology.
Immunological Studies in Rodent Malaria.
- Harry Joseph Quebbeman, of Nashville, Tenn.; B.S. Belmont College, 1969; M.P.H. Tulane University, 1978. Environmental Health Sciences.
The Interactive Effects of Inspiratory Resistance Loading, Cholinesterase Inhibition, and Mild Exercise on Cardiopulmonary Performance in Awake Dogs.
- Sheryl Misae Sato, of Baltimore, Md.; B.A. University of California, 1977; B.S. University of California, 1977. Environmental Health Sciences.
The Binding and Distribution of Zinc in the Hippocampus.
- Walter Francis Stewart, of San Mateo, Calif.; M.P.H. University of California, 1977; B.S. 1974. Epidemiology.
The Relationship Between Asbestos Exposure and Lung Cancer Cell Type.
- Alan W. Strange, of Columbia, Md.; B.A. Waynesburg College, 1968; M.A. Indiana University of Pennsylvania, 1974. Behavioral Sciences.
Blood Pressure in Three Adolescent Groups.
- Richard Valliant, of Silver Spring, Md.; B.S. University of Arkansas, 1972; M.S. Cornell University, 1975. Biostatistics.
Estimation of Bernoulli Totals in a Finite Population.
- Melvin N. Waxham, of Houston, Texas; B.S. Pennsylvania State University, 1978. Immunology and Infectious Diseases.
Physical and Immunochemical Characterization of the Structural Proteins of Rubella Virus.

DOCTORS OF PHILOSOPHY

in The School of Advanced International Studies

- Ali Abdalla Algayed, of Arlington, Va.; B.A. University of Libya, 1962; M.A. The Johns Hopkins University, 1974.
Legal Problems of the Financing of United Nations Peacekeeping Operations.
- Stephen J. Artner, of Oxford, Ohio; B.A. Notre Dame University, 1976; M.A. The Johns Hopkins University, 1978.
The SPD and NATO: The Transformation of Social Democratic Alliance Policy 1957-1961.
- Abdeslem Ben Younes, of Tunis, Tunisia; B.A. University of Tunis, 1969; M.A. The Johns Hopkins University, 1974.
Tunisia and International Organizations: Pre- and Post-Independence.
- Paul Huen Chan, of Hong Kong; B.A. State University of New York at Albany, 1975; M.A. The Johns Hopkins University, 1978.
- Robert C. Dahlberg, of Ellicott City, Md.; B.A. Lawrence University, 1966; M.A. The Johns Hopkins University, 1976.
Heinrich Bruning, the Center Party, and Germany's "Middle Way:" Political Economy and Foreign Policy in the Weimar Republic.
- David A. Dessler, of Houston, Texas; B.S. B.A. Oklahoma University, 1978; M.A. School of Advanced International Studies, The Johns Hopkins University, 1980.
- Stephen Ray Grummon, of Springfield, Ill., B.A. Cornell College, 1969; M.A. The Johns Hopkins University, 1974.
The Rise and Collapse of the Arab Shaykhdom of Bushehr.
- Larry R. Kohler, of Rochester, N.Y.; B.A. Michigan State University, 1968; M.A. Carleton University, 1970.
Canadian/American Oil Diplomacy: Adjustment of Conflicting National Oil Policies 1955-1973.
- Jorge A. Lawton, of Washington, B.C., B.A. Gonzaga University, 1967; M.A. School of Advanced International Studies, The Johns Hopkins University, 1970.
- Miltos C. Miltiadou, of Kyrenia, Cyprus; B.A. Macalester College, 1974; M.A. The Johns Hopkins University, 1976.

DOCTORS OF MEDICINE

in The School of Medicine

- Mary Sinclair Applegate, of Chambersburg, Pa.; B.A. Smith College, 1980.
- John Aryanpur, of Storm Lake, Iowa; B.A. The Johns Hopkins University, 1981.
- John Nathaniel Aucott, of La Habra, Calif.; A.B. University of California, Berkeley, 1980.
- Susan Wright Aucott, of Marquette, Mich.; B.A. Mount Holyoke College, 1980.
- Juliana Barr, of La Habra, Calif.; B.S. University of Southern California, 1980.
- Jennie Lee Batson, of Fullerton, Calif.; B.S. University of California, Irvine, 1980.
- Oliver Andrew Batson, of Brunswick, Me.; B.S. Brown University, 1980.
- Jon Joseph Bellantoni, of Havre de Grace, Md.; B.S. Yale University, 1980.
- Julie Louise Bellet, of Pompton Lakes, N.J.; A.B. Princeton University, 1980.
- Charles Andrew Bergman, Jr., of San Marino, Calif.; B.A. California State Polytechnic University, 1976.
- Kevin Lenuell Billups, of Baltimore, Md.; A.B. Harvard College, 1980.
- Lisa Beth Pulaski Black, of Brooklyn, N.Y.; B.A. Brooklyn College, 1980.

- Ronald Scott Black, of Parsippany, N.J.; B.A. Williams College, 1980.
- Mary Callam Brandes, of Bloomfield Hills, Mich.; B.S. University of Michigan, 1980.
- Richard Michael Braverman, of San Antonio, Tex.; A.B. Dartmouth College, 1980.
- Lisa Bunin, of Tappan, N.Y.; A.A. Rockland Community College, 1977; B.A. State University of New York at Stony Brook, 1979.
- John Kevin Burgers, of Sacramento, Calif.; B.A. University of Utah, 1980.
- Ramon F. Cabreja, of Union City, N.J.; B.A. Rutgers University, 1980.
- Lee L. Cafferty, of Corrales, N.M.; B.S. University of New Mexico, 1980.
- Lucy Janet Cairns, of Springville, N.Y.; B.A. Antioch College, 1973; M.P.A. Cornell University, 1978.
- Jacquelyn L. Calbert, of Reston, Va.; B.A. University of Virginia, 1980.
- Gregory D. Casey, of Baltimore, Md.; B.A. Wayne State University, 1980.
- David Garvin Chaffin, Jr., of Sierra Vista, Ariz.; B.S. Millsaps College, 1980.
- Wen Cheng, of Augusta, Me.; B.A. The Johns Hopkins University, 1981.
- Donald Alexander Claxton, of New York, N.Y.; B.A. New York University, 1980.
- Jeffrey Allen Clemens, of Beckley, W.Va.; B.S.; B.A. Marshall University, 1980.
- Ann Conjura, of Falls Church, Va.; B.A. University of Virginia, 1980.
- Brenda Wimpfheimer Cooper, of Poughkeepsie, N.Y.; B.S. Cornell University, 1980.
- Hallie Kerstin DeChant, of Beachwood, Ohio; A.B. Cornell University, 1980.
- Anne Boland Docimo, of Chevy Chase, Md.; B.S. University of Notre Dame, 1980.
- Steven G. Domico, of Elmhurst, Ill.; B.S. University of Illinois, 1980.
- Debra Ann Dodd, of Haddonfield, N.J.; B.A. The Johns Hopkins University, 1980.
- Charles J. Duffy, of Baltimore, Md.; A.B. Harvard College, 1977.
- Philip Nolan Evans, of Marion, Ohio; B.A. Ohio Northern University, 1980.
- Nancy Ann Falco, of Shoreham, N.Y.; B.A. Yale University, 1980.
- Marc Allan Feldman, of Silver Spring, Md.; B.A. Northwestern University, 1980.
- Gerald Matthew Gacioch, of Syracuse, N.Y.; B.S. State University of New York at Albany, 1980.
- Anthony Mark Gambee, of Portland, Ore.; B.S. Portland State University, 1980.
- Roberta A. Gottlieb, of Grants, N.M.; B.A. The Johns Hopkins University, 1980.
- Donna Fay Heinemann, of Rockaway Township, N.J.; B.A. The Johns Hopkins University, 1980.
- Michael Charles Heinrich, of Boring, Ore.; B.S. Oregon State University, 1980.
- Richard Michael Hoffman, of Plymouth Meeting, Pa.; B.A. Haverford College, 1980.
- Robert Dickson Hoffman II, of Butler, Pa.; B.A. The Johns Hopkins University, 1977.
- Edward Earl Holden, Jr., of Los Angeles, Calif.; B.S. University of Notre Dame, 1980.
- Kenneth J. Holroyd, of Springfield, Va.; B.A. The Johns Hopkins University, 1980.
- Gene Reid Howard, of Baltimore, Md.; A.B. Bowdoin College, 1978; M.P.H. The Johns Hopkins University, 1979.
- John Elliott Humphries, of Columbia, S.C.; B.A. Middlebury College, 1980.
- Peter C. Innis, of Milford, Mass.; A.B. Cornell University, 1980.
- Kuan-Teh Jean, of Houston, Tex.; B.A. The Johns Hopkins University, 1979.
- Margaret Ferne Jensvold, of Orange, Calif.; B.S. University of California, Los Angeles, 1979.
- Elizabeth Madelle Jones, of Willis, Tex.; B.A. Swarthmore College, 1979.
- John Nicholas Kabalin, of Los Angeles, Calif.; B.S. Stanford University, 1980.
- Niranjan Kanesa-Thanas, of Bethesda, Md.; B.A. The Johns Hopkins University, 1981.
- Karen Lynne Kennicott, of Albuquerque, N.M.; B.A. Wellesley College, 1980.
- Michael A. King, of N. Miami Beach, Fla.; B.S. Barry College, 1980.
- Wesley Andrew King III, of Los Angeles, Calif.; A.B. Harvard College, 1980.
- Dalane William Kitman, of Bismarck, N.D.; B.A. The Johns Hopkins University, 1981.
- Mark Kozak, of Ridley Park, Pa.; B.A. Franklin and Marshall College, 1980.
- Charles Mitchell Leve, of Baltimore, Md.; B.A. The Johns Hopkins University, 1981.

- Hyam Isaac Levitsky, of Alloway, N.J.; B.S.E. University of Pennsylvania, 1980.
- George Harrison Lien, of Allentown, Pa.; B.A. The Johns Hopkins University, 1981.
- Jay Mark Lustbader, of Baltimore, Md.; B.A. University of Pennsylvania, 1980.
- Susan Marie Mackem, of Bethesda, Md.; B.S. University of Chicago, 1976; Ph.D. University of Chicago, 1982.
- Joseph J. Marotta, of Farmingdale, N.Y.; B.S. Siena College, 1980.
- Ann Louise Kavanaugh McHugh, of Pompton Plains, N.J.; B.S. Yale University, 1980.
- Michael John McHugh, of Portland, Ore.; B.S. University of Oregon, 1980.
- Alexander David Mih, of Chanute, Kan.; A.A. Neosho County Community College, 1977; B.A. The Johns Hopkins University, 1981.
- Barbara Ann Montford, of Miami, Fla.; B.A. Brown University, 1980.
- Michael Ray Moore, of Portland, Ore.; B.S. University of Oregon, 1976.
- Kenneth Martin Michael Murphy, of Wichita, Kan.; B.A. Rice University, 1978.
- Scot Norris Nadel, of New York, N.Y.; B.A. Hampshire College, 1980.
- Jeanne Marie Nelson, of Rochester, N.Y.; B.A. The Johns Hopkins University, 1981.
- Michele Frances Nowotarski, of Birdsboro, Pa.; B.A. University of Pennsylvania, 1980.
- LaRoy Pete Penix, of Dayton, Ohio; B.S. Morehouse College, 1979.
- Randall Kurt Petersen, of Rochester, Minn.; B.S., University of Minnesota, 1980.
- Carol Efron Peysner, of Orinda, Calif.; B.A. Swarthmore College, 1973.
- Ian Fredric Pollack, of Cranbury, N.J.; B.S. Emory University, 1980.
- Alexander Paul Reiner, of Utica, N.Y.; B.A. The Johns Hopkins University, 1980.
- Carl Anthony Riddick, of Washington, D.C.; B.A. Yale University, 1980.
- Michael Lee Riordan, of Wichita, Kan.; A.B.; B.S. Washington University, 1979.
- Debra Lynn Risin, of Potomac, Md.; B.A. The Johns Hopkins University, 1981.
- Marschall Stevens Runge, of Baltimore, Md.; B.A. Vanderbilt University, 1976; Ph.D. 1979.
- Michael R. Saitta, of Dayton, Ohio; B.A. The Johns Hopkins University, 1981.
- Robert Cumming Schenck, Jr., of Carbondale, Colo.; B.A. The Johns Hopkins University, 1981.
- Raymond Louis Schettino, of Whitestone, N.Y.; B.A. The Johns Hopkins University, 1980.
- Christopher E. Sims, of Montgomery, Ala.; B.S. Auburn University, 1980.
- David G. Spear, of Lawrence, Kan.; B.A. The Johns Hopkins University, 1979; M.P.H. 1981.
- Gary Edward Stack, of Bladensburg, Md.; B.S. University of Maryland, 1975; Ph.D. University of Wisconsin, 1980.
- Peter Michael Stein, of Glencoe, Ill.; B.S. University of Illinois, 1980.
- Robert Jay Still, of Jacksonville, Fla.; B.A. University of Virginia, 1980.
- Thoralf Mauritz Sundt III, of Rochester, Minn.; A.B. Princeton University, 1979.
- Marc Steven Sussman, of Bellmore, N.Y.; B.S. Massachusetts Institute of Technology, 1979; B.S.C.E. 1981.
- Roy Thomas Temes, of Los Angeles, Calif.; B.A. The Johns Hopkins University, 1981.
- Steven C. Thomas, of Las Vegas, Nev.; B.A. University of Utah, 1979.
- Karen Dawn Todd, of Lafayette, La.; B.S. Vanderbilt University, 1980.
- Charles Bland Treasure II, of Kennett, Mo.; A.B. University of Missouri, 1980.
- Edward Lloyd Trimble, of Baltimore, Md.; A.B. Harvard College, 1976.
- David Eric Tunkel, of Perth Amboy, N.J.; B.A. The Johns Hopkins University, 1980.
- Steven Vincent Turpin, of Baltimore, Md.; B.A. Yale University, 1980.
- Patricia Lynn Verhulst, of Bethesda, Md.; B.S. University of Rhode Island, 1978.
- Robert Wasserman, of Philadelphia, Pa.; B.A. University of Pennsylvania, 1980.
- Francis William Wessbecher, of Morris Plains, N.J.; B.S. Georgetown University, 1980.
- Luke Joseph Whitesell, of Arlington, Va.; A.B. Harvard College, 1979.
- Michael Bruce Whitlow, of Long Beach, Calif.; B.S., B.A. University of California, Irvine, 1975.
- Carol A. Wilson, of Denver, Col.; B.A. The Johns Hopkins University, 1981.
- Anne Margot Yahanda, of Fairfax Station, Va.; B.A. University of Pennsylvania, 1980.

- Adolph Joseph Yates, Jr., of Butler, Pa.; A.B. Harvard College, 1980.
- Susan Mary Yeomans, of Morristown, N.J.; A.B. Princeton University, 1980.
- Charles Michael Zacharchuk, of Cherry Hill, N.J.; B.S. Cornell University, 1976.
- Marco Attilio Eugenio Zarkin, of Baltimore, Md.; A.B. Dartmouth College, 1978.
- Jeffrey D. Zheutlin, of Battle Creek, Mich.; B.A. The Johns Hopkins University, 1981.
- Rhonda L. Zuckerman, of Monroe, N.Y.; B.A. The Johns Hopkins University, 1981.

DOCTORS OF PHILOSOPHY

in The School of Medicine

- C. William Angus, of Baltimore, Md.; B.S. University of Pittsburgh, 1970. M.S., University of Colorado, 1972. Biochemistry, Cellular and Molecular Biology Program—Physiological Chemistry.
Induction of Specific mRNAs During the Differentiation of 3T3-L1 Preadipocytes.
- Charles Joseph Duffy, of Revere, Mass.; A.B. Harvard College, 1977. Physiology.
The Direction and Velocity Sensitivity of Visual Neurons in Monkey Posterior Parietal Cortex.
- Matt Fluster, of Monterey Park, Cal.; B.S. California Institute of Technology, 1973. Biomedical Engineering.
Use of Multiple Training Paradigms for the Comparison of Tactile Speech Displays.
- Herschel Philip Goldstein, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1975. Biomedical Engineering.
The Neural Encoding of Saccades in the Rhesus Monkeys.
- Chi-Ming Hai, of Hong Kong; B.Sc. University of Toronto, 1978; M.Sc. 1980. Physiology.
Calcium Kinetics in Intact Segments of Rabbit Aorta.
- Robert Dickson Hoffman II, of Butler, Pa.; B.A. The Johns Hopkins University, 1977. Biochemistry Cellular and Molecular Biology Program—Molecular Biology and Genetics.
Lysophosphatidylcholine and The Motility of Lymphoblastic Cells.
- William Brewster Isaacs, of Cockeysville, Md.; B.S. Brown University, 1977. Pharmacology and Experimental Therapeutics.
Structure and Function in the Canine Prostate.
- Kuan-Teh Jeang, of Houston, Tex.; B.A. The Johns Hopkins University, 1979. Pharmacology and Experimental Therapeutics.
Molecular Analysis of Cytomegalovirus Immediate-Early Gene Regulation.
- Donald Charles Manning, of Kearny, N.J.; B.S. McGill University, 1979. Pharmacology and Experimental Therapeutics.
Bradykinin Receptors: Identification, Characterization, and Localization in Guinea Pig Tissues Using [³H] Bradykinin.
- Maureen Winifred McEnery, of White Plains, N.Y.; B.A. State University of New York (Purchase), 1977. Biochemistry, Cellular and Molecular Biology Program—Physiological Chemistry.
Purification of the Proton Translocating ATPase of Rat Liver Mitochondria and the Characterization of Several Inhibitors of ATPase Activity.
- Marjorie Hurley Middleton, of San Ignacio, Belize, Honduras; B.A. University of Delaware, 1979. Biochemistry, Cellular and Molecular Biology Program—Biophysics.
Parameters Affecting the Murine Antibody Response to a Polymeric Antigen.
- Michael Ira Miller, of Valley Stream, N.Y.; B.S.E.E. State University of New York at Stony Brook, 1976; M.S.E.E. 1979. Biomedical Engineering.
The Statistical Coding of Simple Tones and Consonant-Vowel Syllables in the Auditory Nerve.
- Randall Wade Moreadith, of Leland, N.C.; B.S. North Carolina State University, 1976. Biochemistry, Cellular and Molecular Biology Program—Physiological Chemistry.
The Bioenergetics of Cell Respiration in Normal and Pathological Conditions.

Kenneth Martin Murphy, of Wichita, Kan.; B.S. Rice University, 1978. Pharmacology and Experimental Therapeutics.

The Calcium Channel: Differentiation of Multiple Regulatory Sites for Inorganic and Organic Calcium Antagonists.

Sheila Kate Sanders, of Alexandria, Va.; B.S. Virginia Polytechnic Institute, 1974. Biochemistry, Cellular and Molecular Biology Program—Physiological Chemistry.

Immunological Detection and Characterization of Cell Surface Actin on Subpopulations of Murine Lymphocytes.

Stuart James Swiedler, of Brooklyn, N.Y.; B.S. State University of New York at Albany, 1977. Biochemistry, Cellular and Molecular Biology Program—Biophysics.

Glycosylation Site Analysis of Membrane Glycoproteins.

James R. Unnerstall, of Baltimore, Md.; B.S. Northeastern Illinois University, 1979. Pharmacology and Experimental Therapeutics.

Principles of Quantitative Receptor Autoradiography: Application to the Analysis of Alpha-2 Adrenergic Receptors.

Michael Bruce Whitlow, of Long Beach, Ca.; B.S., B.A. University of California, Irvine, 1967. Biochemistry, Cellular and Molecular Biology Program—Molecular Biology and Genetics.

Penetration of C9 Within the C5b-9 Complex Across the Erythrocyte Membrane into the Cytoplasmic Space.

JoAnne Kaye Wilkinson, of Baltimore, Md.; B.S. University of Maryland at College Park, 1977. Biochemistry, Cellular and Molecular Biology Program—Physiological Chemistry.

Transcription of Ribosomal RNA in Frog and Mouse.

Charles Michael Zacharchuk, of Cherry Hill, N.J.; B.S. Cornell University, 1976. Biochemistry, Cellular and Genetics.

A Macrophage Cytotoxic Factor: Immunochemical and Functional Characterization.

Marco Attilio Eugenio Zarbin, of Baltimore, Md.; A.B. Dartmouth College, 1978. Pharmacology and Experimental Therapeutics.

On the Axonal Movement of Receptors.

DOCTORS OF PHILOSOPHY

in The G.W.C. Whiting School of Engineering

William McKinley Alley, of Sterling, Va.; B.S. Colorado School of Mines, 1974; M.S. Stanford University, 1976. Geography and Environmental Engineering.

Use of Regional Water Balance Models in Characterizing Hydrologic Drought.

Anton Timothy Dahbura, of Hagerstown, Md.; B.E.S. The Johns Hopkins University, 1981; M.S.E., 1982. Electrical Engineering and Computer Science.

Fault Diagnosis in Multiprocessor Systems.

Nancy Nicholas Ehrlich, of Falls Church, Va.; B.A. Swarthmore College, 1977. Geography and Environmental Engineering.

A Methodology for the Design, Sequencing and Operation of A Conjunctive Water Supply System.

Charles Douglass Fletcher, of Baltimore, Md.; B.S. Morgan State College, 1970; M.S. Carnegie-Mellon University, 1974. Geography and Environmental Engineering.

New Objectives in the Role of Minority Banks and Black Economic Development: An Optimal Community Location.

Angela Mary Leimkuhler, of Catonsville, Md.; B.S. Loyola College, 1979; M.S.E. The Johns Hopkins University, 1982. Materials Science and Engineering.

Structural Homogeneity, Crystallization, and Embrittlement Behavior of Fe₈B_{13.5}Si_{3.5}C₂.

Feng-Shyang Tommy Liu, of Taiwan; B.E. Taiwan Provincial College of Education, 1976; M.S.E. The Johns Hopkins University, 1981. Electrical Engineering and Computer Science.

The Effect of Higher Order Dispersion on the Solution of the Nonlinear Schrödinger Equation: The Propagation of Solitons in Inhomogeneous Waveguides.

Roland Christian Steiner, of Baltimore, Md.; B.S. University of Pennsylvania, 1967; M.S. Stanford University, 1968. Geography and Environmental Engineering.

Short-Term Forecasting of Municipal Water Use.

Jin Tso, of Taipei, Taiwan; B.S. National Taiwan University, 1971; M.S., 1973. Mechanics and Materials Science.

Coherent Structures in a Fully-developed Turbulent Axisymmetric Jet.

Candice C. Wilderman, of Camp Hill, Pa.; B.S. Tufts University, 1969. Geography and Environmental Engineering.

The Floristic Composition and Distribution Patterns of Diatom Assemblages in the Severn River Estuary, Maryland.

Susumu Yoneda, of Yokohama, Japan; M.S.E. The Johns Hopkins University, 1980. Geography and Environmental Engineering.

A Strategic Electric Power Planning Model: Reliability vs. Cost.

William Marshall Winn, of Owings Mills, Md.; B.A. The Johns Hopkins University, 1974; M.S. Tennessee Technological University, 1978. Geography and Environmental Engineering.

A Study of the Relationship Between Discharge and Suspended Sediment in Rivers and Streams.

DOCTORS OF PHILOSOPHY

in The School of Arts and Sciences

Peggy Jean Arps, of Pasadena, Calif.; B.A. Cornell University, 1971; M.A. The Johns Hopkins University, 1976. Biology.

An Investigation of Rabbit Skeletal Muscle M-Line: Evidence for the Assignment of Creatine Phosphokinase as the M-Bridge.

Rosemary Arrojo, of New York, N.Y.; B.A. University of Sao Paulo, 1973; M.A. University of Essex, England, 1977; M.A. The Johns Hopkins University, 1982; M.A., 1983. Romance Languages.

Jorge Luis Borges's Labyrinths and João Guimarães Rosa's Sertão: Images of Reality as Text.

Jonathan David Auerbach, of Denver, Colo.; B.A. University of California, Santa Cruz, 1976; M.A. The Johns Hopkins University, 1978. English.

First Persons Singular: Confessional Narrative from Poe to James.

Sharon Lea Aukerman, of Greenwich, Conn.; B.S. Pennsylvania State University, 1978. Biology.

The Selective Degradation of Nitrosocarbamates and Nitrosoureas by Blood Plasma, Tissue Homogenates and Purified Esterase.

Ellen Beth Barrabee, of Northridge, Calif.; B.A. University of California, San Diego, 1978; M.A. The Johns Hopkins University, 1984. Chemistry.

The Fate of Chiral-Methyl Valine in Cephalosporin C Biosynthesis.

Peter John Bellis, of Houston, Texas; B.A. Amherst College, 1977; M.A. University of Texas at Austin, 1979; M.A. The Johns Hopkins University, 1981. English.

No Mysteries out of Ourselves: Identity and Narrative Form in the Novels of Herman Melville.

Arnd Bohm, of Edmonton, Alberta, Canada; B.A. University of Alberta, Canada, 1974; M.A., 1975. German.

German Poets and the 'Republic of Letters' to 1850.

Priscilla Suzanne Bremser, of Lanham, Md.; B.A. Smith College, 1978; M.A. The Johns Hopkins University, 1980. Mathematics.

Some Studies on Character Sums over Finite Fields.

Paula Philips Burger, of Hillsborough, N.C.; B.A. Duke University, 1967; M.A., 1974. Political Science.

Judges in Search of a Court: Characteristics, Functions, and Perceptions of Federal Administrative Law Judges.

Daniel Joseph Burke, of Calgary, Alberta, Canada; B.Sc. University of Manitoba, Canada, 1975. Biology.

A Molecular Genetic Analysis of the Major Proteins of C. elegans Sperm.

Richard Martin Cantor, of Utica, N.Y.; B.A. Tufts University, 1979; M.A. The Johns Hopkins University, 1982. Political Economy.

Three Essays on Implicit Contracts and Macroeconomics.

Joel Allan Carpenter, of Adrian, Mich.; B.A. Calvin College, 1974; M.A. The Johns Hopkins University, 1976. History.

The Renewal of American Fundamentalism, 1930-1945.

Richard Paul Cebula, of Lombard, Ill.; B.A. Illinois Wesleyan University, 1978; M.A. The Johns Hopkins University, 1980. Physics.

Morning Twilight Observations of the Zodiacal Light and Terrestrial Airglow.

John Stephen Chappell, of Pasadena, Calif.; B.S. California State Polytechnic University at Pomona, 1978; M.A. The Johns Hopkins University, 1982. Chemistry.

Some Infrared Properties of Organic Charge Transfer Salts.

- Kok Leang Chin, of Penang, Malaysia; B.Sc. Nanyang University, Singapore, 1974. Mathematics.
On the Classification of the Finite Dimensional Lie Algebras Generated by Two Differential Operators One with Constant Coefficients and the Other with Polynomial Coefficients.
- Siegried Benjamin Christensen IV, of New Orleans, La.; B.S. Louisiana State University, 1978.; M.A. The Johns Hopkins University, 1984. Chemistry.
Anthraquinone Intermediates in Aflatoxin Biosynthesis: Formation of the Bisfuran.
- Xavier Comas, of Barcelona, Spain; Licenciado in Economics, Universidad Autonoma de Barcelona, Spain, 1975; M.A. The Johns Hopkins University, 1980. Political Economy.
The Allocation of Scarce Resources to Life-Saving Programs with an Appendix on the Economic Value of Human Life.
- Mary Elizabeth Conklin, of Binghamton, N.Y.; B.A. State University of New York at Binghamton, 1971; M.A., 1974. Sociology.
Post-secondary Educational Attainment and Occupational Outcomes.
- John William Cox III, of Columbia, S.C.; B.S. University of South Carolina, 1974; M.A. The Johns Hopkins University, 1983. Chemistry.
Single Collision Atomic Beam Studies of Dynamics and Energy Transfer in Reactions of Metastable Group II_a Metals with Simple Oxidants.
- Floyd Timothy Cunningham, of Gaithersburg, Md.; B.A. Eastern Nazarene College, 1976; M.A. The Johns Hopkins University, 1981. History.
The Christian Faith Personally Given: Divergent Trends in Twentieth-Century Methodist Thought.
- Judith Soisson Dahmann, of Washington, D.C.; B.A. Chatham College, 1972; M.A. University of Chicago, 1973. Sociology.
Women's Occupational Mobility: The Effects of Mother's Occupation on the Occupation of Children.
- Nina Cox Davis, of Kenosha, Wis.; B.A. University of Wisconsin, 1975; M.A. The Johns Hopkins University, 1976. Romance Languages.
Readers and Tricksters in Maleo Aléman's Gúzman de Alfarache.
- Michael Ralph Dellomo, of Massapequa, N.Y.; B.S. Rensselaer Polytechnic Institute, 1979; M.A. The Johns Hopkins University, 1980. Mathematics.
Through the Non-Simply Connected Looking Glass or The Inverse Limit of the Finite Branched Cyclic Covers of a Knot.
- Park Elliott Dietz, of Charlottesville, Va.; B.A. Cornell University, 1970; M.P.H. The Johns Hopkins University, 1975; M.D. The Johns Hopkins University, 1975. Sociology.
Psychiatrists and Their Treatment: A Study in the Sociology of Psychiatry.
- Robert Alan DiFrancesco, of New York, N.Y.; B.A. Rutgers University, 1977. Biology.
Characterization of the Bacterial Mutator Gene, MutD.
- Paul Albert Dyster, of Niagara Falls, N.Y.; B.A. State University of New York at Buffalo, 1976; M.A. The Johns Hopkins University, 1979. Political Science.
In the Wake of the Tank: The 20th Century Evolution of the Theory of Armored Warfare.
- Leon Anthony Epps, of Baltimore, Md.; B.S. Morgan State College, 1966; M.A. The Johns Hopkins University, 1984. Chemistry.
The Chemistry of Neutral, Lipid Soluble Technetium(V) Complexes of Aminoalcohols and Aminothiols.
- Stephen Joseph Esposito, of Kent, Ohio; B.A. Boston College, 1974; M.A., 1976. Classics.
The Chorus in Sophocles: The Tension of Foreground and Background in Philoctetes and Trachiniae.
- Douglas Lawrence Feinstein, of Douglaston, N.Y.; B.S. Massachusetts Institute of Technology, 1977. Biology.
Electrophoretic and Kinetic Characterization of the Coupling Factor of Oxidative Phosphorylation Isolated as a Latent ATPase.
- M. Harindra Joseph S. Fernando, of Moratuwa, Sri Lanka; B.Sc. University of Moratuwa, Sri Lanka, 1978; M.A. The Johns Hopkins University, 1981. Earth and Planetary Sciences.
Studies on Turbulent Mixing in Stably Stratified Fluids.
- Barbara Rose Fishel, of Okemos, Mich.; B.S. Michigan State University, 1973. Biology.
Molecular Genetics and Developmental Regulation of UDP Glucose Pyrophosphorylase of Dictyostelium discoideum.
- Joann Lynn Gardner, of Portland, Maine; B.A. Bard College, 1972; B.Phil., M.A. University of York, England, 1977; M.A. The Johns Hopkins University, 1980. English.
Myth and Poetic Survival: A Study of W. B. Yeats and the Rhymers' Club of the 1890's.
- Robert Wayne Garnet, of Lincroft, N.J.; B.A. The Johns Hopkins University, 1972; M.A., 1975. History.
The Telephone Enterprise: The Evolution of the Bell System's Horizontal Structure, 1876-1909.
- Suzanne Guerlac, of New York, N.Y.; B.A. Barnard College, 1972. French.
Monstres du Sublime: Hugo, Baudelaire, Lautreamont.
- Margaret Marcus Hale, of University City, Mo.; B.A. University of Missouri, 1980; M.A. The Johns Hopkins University, 1982. Psychology.
The Influence of Sentencing Goals on Judicial Decision-Making.

- Margaret Mary Hamilton, of Collingdale, Pa.; B.A. University of Pennsylvania, 1979; M.A. The Johns Hopkins University, 1982. Psychology.
Intuitive Probability Judgments of Social Stimuli: Some Limiting Conditions of the Base Rate Fallacy.
- Marc Loren Harris, of Cleveland, Ohio; B.A. Brandeis University, 1973; M.A. The Johns Hopkins University, 1978. History.
Social Entrepreneurs: Economic Enterprisers and Social Reformers of Ohio's Western Reserve, 1795-1845.
- Christopher Lee Hatch, of Newbury, Mass.; B.S. University of Massachusetts, 1975. Biology.
The Role of the Histone Structural Domains in Histone-Histone and Histone-DNA Interactions.
- Anne Dawson Hedeman, of McDonogh, Md.; B.A. Princeton University, 1974; M.A. The Johns Hopkins University, 1977. History of Art.
The Illustrations of the Grandes Chroniques de France from 1274 to 1422.
- Charles Alfonso Hines, of Washington, D.C.; M.A. Michigan State University, 1970. Sociology.
Military Job Performance Evaluation Patterns in Intra-racial and Interracial Dyads: Quantitative and Narrative Aspects.
- Pamela Jean Hines, of Evanston, Ill.; B.A. Oberlin College, 1974; M.S. University of Wisconsin, 1977. Biology.
On the Replication of DNA Molecules Microinjected into Unfertilized Eggs of the Frog, Xenopus laevis.
- Meng-Fei Ho, of Hsintien, Taiwan; B.S. National Taiwan University, Taiwan, 1977; M.A. The Johns Hopkins University, 1981. Chemistry.
Studies on the Biosynthesis of Clavulanic Acid.
- Timothy Paul Hofmeister, of Troy, N.H.; B.A. Swarthmore College, 1980. Classics.
Generations of Men: The Import of Homeric Genealogy.
- Martin R. Hulce, of Baltimore, Md.; B.S. Butler University, 1978; M.A. The Johns Hopkins University, 1980. Chemistry.
I. Organic Reactions at Alumina Surfaces: Alumina-Assisted and Alumina-Catalyzed Nucleophilic Opening of Cycloalkene Oxides, and II. Asymmetric Induction during Conjugate Addition: Highly Diastereoselective Syntheses of Either Enantiomer of β -Substituted Cycloalkanones Using the same Enantiomerically Pure 2-(arylsulfinyl)-2-Cycloalkenone.
- Glen Wallace Humphrey, of Baltimore, Md.; B.A. Ohio State University, 1974. Biology.
Role of Post-Translational Modification in Localization and Function of Polyoma Viral T Antigen.
- Catherine Tobin Ingraham, of Baltimore, Md.; B.A. St. John's College, 1973; M.A. The Johns Hopkins University, 1983. Humanities.
Complexion and Complexity: Thomas Pynchon's Reading of the American Scene.
- Sitki Irk, of Ankara, Turkey; B.Sc. Middle East Technical University, 1975; M.Sc., 1978; M.A. The Johns Hopkins University, 1981. Mathematics.
Operators Induced by Gauss Sums over Finite Fields and the Algebra Generated by these Operators.
- Charles Richter King, of Manchester, Conn.; B.S. University of St. Andrews, United Kingdom, 1977. Biology.
Alternative RNA Splicing of the Murine A Crystallin Gene.
- John Theodore Kish, Jr., of Agana, Guam; B.A. University of Maryland at Baltimore County, 1978; M.A. The Johns Hopkins University, 1980. Philosophy.
The Influence of Pierre Gassendi on John Locke's Theory of the Material World.
- Lawrence Eliot Klein, of New York, N.Y.; B.A. University of Rochester, 1971; M.A. The Johns Hopkins University, 1977. History.
The Rise of Politeness in England, 1660-1715.
- Wayne Allan Koska, of St. Cloud, Minn.; B.A. St. John's University, 1978; M.A. The Johns Hopkins University, 1980. Physics.
A Study of the Reaction of $\bar{p}p \rightarrow K+K+\pi+\pi$ at 8.3 GeV/c.
- Theresa Marie Kuhlenschmidt, of Baltimore, Md.; B.A. Spalding College, 1972. Biology.
The Carbohydrate Binding Proteins of Chicken Liver and Serum.
- Wayne Brian Landsman, of Baltimore, Md.; B.S. University of Connecticut, 1977; M.A. The Johns Hopkins University, 1980. Physics.
Ultraviolet Studies of Interstellar Matter.
- Jules David Law, of Toronto, Canada; B.A. University of Toronto, 1978; M.A. The Johns Hopkins University, 1981. English.
Surface and Depth: Metaphors for Meaning in Dickens, Conrad and Joyce.
- Andrew Lees, of Newton, Mass.; B.S. Harvey Mudd College, 1976. Biophysics.
Effects of Brevin and Vitamin D. Binding Protein on Actin Assembly and Disassembly.
- James Edgar Lunday, of Orlando, Fla.; B.A. Florida Technological University, 1974. Sociology.
States, Capitalist Competition, and the Movement to Civil War in the United States.

- Molly Kenna Macauley, of Falls Church, Va.; B.A. College of William and Mary, 1979; M.A. The Johns Hopkins University, 1981. Political Economy.
The Economic Value of the Geostationary Orbital Arc, with Reference to Urban Spatial Models.
- Adrienne Lynette Manns, of Forrester City, N.C.; B.A. Howard University, 1968, M.A. 1973; M.A. The Johns Hopkins University, 1979. History.
The Role of Ex-Servicemen in Ghana's Independence Movement.
- David Reed Mapel, of Billings, Mont.; B.A. Colorado College, 1974; M.A. The Johns Hopkins University, 1981. Political Science.
A Critique of Recent Theories of Distributive Justice.
- David Paul Marwede, of Hagerstown, Md.; B.A. University of Maryland, 1970. Classics.
A New Edition, with a Commentary, of Cicero's De Fato.
- Judy Ann Massare, of Rochester, N.Y.; B.S. University of Rochester, 1973; M.A. The Johns Hopkins University, 1978. Earth and Planetary Sciences.
Ecology and Evolution of Mesozoic Marine Reptiles.
- Thomas Peter Misko, of Baltimore, Md.; B.S. Indiana University, 1975. Biology.
Studies on the Transport and Regulatory Functions of the Phosphoenolpyruvate: Glycose Phosphotransferase System in Salmonella typhimurium.
- Cameron Phelps Munter, of Claremont, Calif.; B.A. Cornell University, 1976; M.A. The Johns Hopkins University, 1978. History.
Das Land der Armen Leute: Poverty in the Marburg Region of Hesse in the Nineteenth Century.
- Siavash Narimousa, of Soltanabad Ramhormoz, Ahwaz, Iran; B.Sc. Jundi Shaur University, Iran, 1977; M.A. The Johns Hopkins University, 1980. Earth and Planetary Sciences.
Entrainment Due To Turbulent Shear Flow at the Interface of a Stably Stratified Fluid System.
- Eric Mercer Nelson, of Boston, Mass.; B.A. Boston University, 1974. Biology.
Interactions between Mammalian Topoisomerase II and Chromatin.
- Michael John Neufeld, of Norwood, N.Y.; B.A. The University of Calgary, Canada, 1974; M.A. The University of British Columbia, Canada, 1976; M.A. The Johns Hopkins University, 1980. History.
From Artisans to Workers: The Transformation of the Skilled Metalworkers of Nuremberg, 1835-1905.
- Ann Waldron Neumann, of Greenbelt, Md.; B.A. Columbia University, 1969; M.S.T. Rutgers University, 1973; M.A. The Johns Hopkins University, 1980. English.
Consciousness and Comment in Jane Austen's Novels.
- Robert Joseph Newman, of Hatboro, Pa.; B.A., M.A. The Catholic University of America, 1977. Classics.
Lucii Annaei Senecae De Remediis Fortuitorum.
- Yoshimasa Nomura, of Yamaguchi-ken, Japan; B. Economics, Hitotsubashi University, Japan, 1973; M. Economics, 1975; M.A. The Johns Hopkins University, 1978. Political Economy.
Approximate Equilibria with Infinitely Many Commodities.
- June Marie Parrott, of Fort Meade, Md.; B.A. Creighton University, 1960; M.A. University of Massachusetts, 1969. Sociology.
Race and Class Determinants of Individual Perceptions and Life Goals: Some Tests of Theories of the Declining Significance of Race.
- Sonia Helen Pearson-White, of Baltimore, Md.; B.S. University of California, Berkeley, 1975. Biology.
Mutational Analysis of the Simian Virus 40 T Antigens.
- Peter Anthony Poggoli, of Victoria, Australia; B.A. College of the Holy Cross, 1972. History.
From Politician to Prelate: The Career of Walter of Coutances, Archbishop of Rouen, 1184-1207.
- Mu-Chou Poo, of Taichung, Taiwan; B.A. National Taiwan University, 1975. M.A. The Johns Hopkins University, 1978. Near Eastern Studies.
The Offering of Wine in Ancient Egypt.
- Kathleen Marie Potosnak, of College Park, Md.; B.A. Gettysburg College, 1979; M.A. The Johns Hopkins University, 1981. Psychology.
Choice of Computer Interface Modes by Empirically Derived Categories of Users.
- James Keith Pringle, of Urbana, Ill.; B.A. Grinnell College, 1976; Licencié ès-Lettres, Université de Provence, France, 1977; M.A. The Johns Hopkins University, 1979. History.
The Quiet Conflict: Landlord and Merchant in the Planning of Marseille, 1750-1820.
- Abimael D. Rodriguez, of Jayuya, Puerto Rico; B.S. University of Puerto Rico, 1978; M.A. The Johns Hopkins University, 1983. Chemistry.
Synthesis of Dithiabetweenanenes.
- Ailsa Alexandra Réell, of Washington, D.C.; N.S. State University of Groningen, The Netherlands, 1976; M.A., 1979; M.A. The Johns Hopkins University, 1981. Political Economy.
Essays in the Theory of Comparative Risk Aversion: With Special Reference to the Case of State-Dependent Preferences.
- Louis Barry Rosenblatt, of Chicago, Ill.; B.A. Lake Forest College, 1969. History of Science.
Fossils and Myths: A Comparative Study of Geology and Classical History in Early Victorian England.

- Geraldine Quietlake Ruthchild, of New York, N.Y.; B.A. Queens College, 1976; M.A. The Johns Hopkins University, 1979. English.
The Whartonian View.
- Mary McKinney Schweitzer, of Richmond, Va.; B.A. Duke University, 1975; M.A. University of North Carolina, 1977; M.A. The Johns Hopkins University, 1980. History.
Contracts and Custom: Economic Policy in Colonial Pennsylvania, 1717-1755.
- Robert Leonard Seidman, of San Diego, Calif.; B.A. California State University, San Diego, 1974; M.A. The Johns Hopkins University, 1977. Political Economy.
Illness Uncertainty, Risk Reduction, and the Demand for Preventive Medical Care.
- Madeline Adele Shea, of Washington, D.C.; B.S. California Institute of Technology, 1977. Biophysics.
A Quantitative Model for Gene Regulation: Control of Bacteriophage Lambda Operators by Repressor Proteins.
- Robert B. Shepard, of Fresh Meadows, N.Y.; B.A. Queens College, 1975; M.A. The Johns Hopkins University, 1983. Political Science.
Superpower and Regional Power: The United States and Nigeria, 1960-1979.
- Laurence Shore, of Bethesda, Md.; B.A. University of North Carolina, 1977; M.A. The Johns Hopkins University, 1979. History.
To Dignify Labor: The Ideological Transformation of Southern Leadership, 1832-1885.
- Thomas Edmund Skinner, of Baltimore, Md.; B.A. The Johns Hopkins University, 1974; M.A., 1976. Physics.
Temporal and Spatial Variations in the Intensities of Ultraviolet Emissions from Jupiter and the Io Torus.
- Susan Elise Spear, of Brooklandville, Md.; B.S. University of Maryland, 1971; M.U.S. Old Dominion University, 1976; M.A. The Johns Hopkins University, 1982. Psychology.
Breakdown of the Use of Names in Alzheimer's Disease: An Information-Processing Approach.
- Jean Stallings, of Herndon, Va.; B.A. The College of William and Mary, 1973; M.A. The Johns Hopkins University, 1974. Classics.
Scenes of Eaten Sacrifice in the Iliad.
- Brentley Clarke Stratton, of Carmel, Calif.; B.A. Franklin and Marshall College, 1978; M.A. The Johns Hopkins University, 1980. Physics.
A Time-Resolved Extreme Ultraviolet Study of PLT Tokamak Plasmas.
- Paul Robert Sullivan, of Natick, Mass.; B.S. Massachusetts Institute of Technology, 1976. Anthropology.
Contemporary Yucatec Maya Apocalyptic Prophecy: The Ethnographic and Historical Context.
- Peter Donald Tennyson, of Wilmington, N.C.; B.S. North Carolina State University at Raleigh, 1978; M.A. The Johns Hopkins University, 1980. Physics.
The Diffuse Ultraviolet Background: 1700Å-2900Å.
- Howard Crandall Tharsing, of Oakland, Calif.; B.A. University of California, Berkeley, 1975; M.A. The Johns Hopkins University, 1978. English.
Unwind the Clue of the Labyrinth: Central Figures in Smollett's Novels.
- E. Ambler Thompson, Jr., of Taneytown, Md.; B.S. Mount Saint Mary's College, 1975. Biology.
Dioxetane Mechanism of Polycyclic Aromatic Hydrocarbon Chemiluminescence.
- Karl Marlin Unruh, of Cleveland, Ohio; B.S. Wichita State University, 1977; M.A. The Johns Hopkins University, 1980. Physics.
Magnetic Properties and Hyperfine Interactions in Iron Containing Metallic Glasses.
- Claudia Megan Urry, of Baltimore, Md.; B.S. Tufts University, 1977; M.A. The Johns Hopkins University, 1979. Physics.
X-Ray and Ultraviolet Observations of BL Lacertae Objects.
- Robert Anthony Virzi, of Massapequa, N.Y.; B.A. State University of New York at Buffalo, 1980; M.A. The Johns Hopkins University, 1982. Psychology.
Towards a Translational Model of Stroop Interference.
- Pamela Barnhouse Walters, of Washington, D.C.; B.S. Bucknell University, 1974; M.Ed. Harvard University, 1975. Sociology.
Educational Expansion and Economic Change in the United States, 1890-1978.
- James Lewis Adrian Webb, Jr., of Baltimore, Md.; B.A. The Johns Hopkins University, 1978; M.A., 1978. History.
Shifting Sands: An Economic History of the Mauritanian Sahara, 1500-1850.
- Jacquelin Wilson Weisheit, of Baltimore, Md.; B.A. Bryn Mawr College, 1943; M.A. The Johns Hopkins University, 1974. History.
Julius Bab, German Intellectual and Critic, 1890-1939.
- Brackette Fay Williams, of Tyler, Texas; Anthropology.
Cockalorums in Search of Cochaigue: Social Interaction, Status Competition, and Ritual in a Rural Guyanese Community.
- Jean Carol Wilson, of Point Pleasant, N.J.; B.A. American University, 1972; M.A. The Johns Hopkins University, 1975. History of Art.
Adriaen Isenbrant Reconsidered: The Making and Marketing of Art in Sixteenth-Century Bruges.

Clare Selgin Woifowitz, of Washington, D.C.; B.A. Cornell University, 1967; M.Ph. University of London, England, 1971. Anthropology.

Styles of Speech in Suriname-Javanese.

Abby Elizabeth Zanger, of Holyoke, Mass.; B.A. Cornell University, 1977; M.A. The Johns Hopkins University, 1980. French.

Lighting the Wings: Performance in Moilicre's Theatrical Representation.

Maria Soledad Zaragoza, of Miami, Fla.; A.A. Miami-Dade Community College, 1977; B.A. Florida International University, 1979; M.A. The Johns Hopkins University, 1982. Psychology.

Memory for Complex Events: The Role of Post-event Information.

Elizabeth Zoltan-Ford, of Voorhees, N.J.; B.A. The Johns Hopkins University, 1980; M.A., 1980. Psychology.

Language Shaping and Modelling in Natural-Language Interactions with Computers.



THE JOHNS HOPKINS UNIVERSITY • BALTIMORE, MARYLAND 21218

July 1984

OFFICE OF THE REGISTRAR

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 1984 Commencement Program:

1. Bachelor of Arts (Arts and Sciences)

Add: David Gary Provost, of Clifton, N. J.

Delete:	Jose Rafael Diaz	David Kilbert Rathbun
	James Michael Hedreen	Thomas D. Raul
	John Kenny McLarney	Terry Jo Vettters
	Thomas Jay Montanaro	Christopher Andrew Walker
	Drew Jude Niziak	Thomas Michael Wills
	John Michael Palazzo	Ingrid Chyong Hwa Wu
	Lisa Kay Pease	Peter Stokes Yaroschuk

2. Bachelor of Engineering Science (Engineering)

Delete: Russell Norman Bennett
Christopher John Mengler

3. Bachelor of Arts (Engineering)

Delete: Gregory Henkuo Chow
Louis Jacob Hollander

4. Bachelor of Science in Electrical Engineering (Engineering)

Add: Michael Scott Baldwin, of Crownsville, Md.

5. Bachelor of Music (Peabody Conservatory of Music)

Delete: Katharine E. Gossman
Ester Yu

6. Bachelor of Science (Evening College)

Add: Diane Marie Fohl, of Ellicott City, Md. Management Leadership.

Delete: David Gross
William Edward Wade

Deceased: John Baker Schneeman, Jr.

7. Master of Science (Evening College)

Delete: Csaba Balint Hanyi
Deborah Susan Hardy-Ribakow
Eugene Robert Marshall

8. Master of Liberal Arts (Evening College)

Delete: Daphne Penelope Vaciliou Di Brandi

9. Master of Administrative Science (Evening College)

Delete: Robert Paul Gaudette
Ellen Sewell Grossman
Ralph Andrew Jordan
Stephen Patrick Mackin, Jr.
Margaret B. May
Louis Alan Naviasky
Thomas Sterling Osmanski

10. Master of Music (Peabody Conservatory of Music)

Delete: Susan Elisabeth Avery Gray
David Ray Thacker
Harry Leonard Williams

11. Master of Health Sciences (School of Hygiene and Public Health)

Delete: Joan Carol Arizini
Amy L. Erhardt

Add: Gertrude Augusta Russell, of Hughesville, Md.; B.S. Virginia
Polytechnic Institute and State University, 1982; Biostatistics.

12. Master of Public Health (School of Hygiene and Public Health)

Add: Dorothy E. Millon, of Washington, D. C.; B.A. University of
California, 1947; M.A. 1949; M.D. University of Chicago, 1955.

Philomena Esther O'Dea, of Pittsburgh, Pa.; B.A. University of
Pittsburgh, 1980.

Delete: Rebecca Bascom

13. Master of International Public Policy (School of Advanced International
Studies)

Delete: Mohmud A. Abba Kano
Ronaldo Villaneuva Puno
John Charles Thomson

Joseph Carl Varga
David Andrew Walsh

14. MASTER OF ARTS (School of Advanced International Studies)

Add: Bernard Theodore Carreau, of Far Rockaway, N. Y.; B.A. Brooklyn College, 1978.

Nicolas Constantopoulos, of Athens, Greece; Diplome University of Athens, 1966.

Francesca Starr Jessup, of Washington, D.C., B.A. Bryn Mawr College, 1976.

William Speer Kuhn III, of Falls Village, Conn.; B.A. Tulane University, 1978.

Beena A. Ollapally of Tallahassee, Fla., B.S. Florida State University, 1979.

Bart Stevens, of Kluisbergen, Belgium; Lic. Catholieke University of Leuven, 1980.

Delete: Antonio Mario Angotti
Sylvia Louise Beckey
Gregory Stephen Betsinger
Jeremy Francis John Bowen
Jerome Cahn
Neil Francis Chanowski
John Michael Christ
Christopher R. Clegg
Elizabeth Louise Coburn
Paul John Cook
James Edward Cox, Jr.
Pameda C. Docters
Virginia Lee Ehelebe
Akihiro Furukawa
Stephen Joseph Garvin
Reid Steven Goldstein
James D. Gollin
Shelley Marie Green
Moia Tamber Gruber
Rosalind Hamar
Laura Anne Hastings
Torben Holm
Estrellita N. Jones
Christiane R. Karam
Alexandra B. K. Karekaho
Rebecca Ann Krafft
Douglas Trevor Kuzmiak
Laurel Rosalind LeCivita
Christiane Loiselle
John Robert Lucas, Jr.
Jana M. Lumley

Edward F. MacDonald
Carolyn Ann Mar
Linda Sue Markey
Jeffrey Paul Marzilli
Maximilian Wellborn Matthew II
Judith Odette Mayers
Jennifer Ann McHale
Phil Lawrence Midland
Ana Belen Montes
Andrew Maitland Moravcsik
Eric Paul Nenon
Michael David O'Neil
Ronald Wayne Peppe II
Carol Ann Peterson
Constance Anne Phillips
Susan Elizabeth Rice
Thomas Leonard Rogers
Rebecca Lorraine Rose
Marialuisa Silvestrini
Alesia Elizabeth Slocum
Laura Nell Smith
Babette Hecht Sonnenfeldt
Marguerite Hovey Squire
David Edmund Stenson
Thomas William Stoeber
Ellen Frances Stolfa
Heather Raye Taylor
Samuel Robert Watson III
Karen Leigh Wilson
Shing-Fan Josephine Woo
Brian Paul Wynne

Lanxin Xiang

15. Master of Science (G.W.C. Whiting School of Engineering)
Add: David Alan Brown, of Columbia, Md.; B.S. University of
North Carolina. Technical Management.
Delete: Jose Emilio Calavia
16. Doctors of Musical Arts (Peabody Conservatory of Music)
Delete: Kay Robertine Pace
17. Doctors of Science (School of Hygiene and Public Health)
Delete: Gordon Russell Sandford
18. Doctor of Philosophy (The School of Advanced International Studies)
Delete: Ali Abdalla Algayed Stephen Ray Grummon
Abdeslem Ben Younes Larry R. Kohler
Paul Huen Chan Jorge A. Lawton
David A. Dessler Miltos C. Miltiadou
-

CORRECTIONS

SCHOOL OF HYGIENE AND PUBLIC HEALTH

- Master of Science: Donna Marie Bush
Structure Activity Relationships and Tissue
Specificities of Plasticizers.
- Master of Health Science: Norma Helen Medina
- Master of Public Health: Carin Yvonne Cooper
Pedro J. Coto
Chien-Ting Lee; M.D. Kaohsiung Medical College,
1974.
Andre Ndikuyeze, of Kigembe-Butare, Rwanda.
- Doctor of Science: Charles I. Noss, Jr. - 1978 Sc.M.
- Doctor of Philosophy: Ahmed Hussein Esa

SCHOOL OF ADVANCED INTERNATIONAL STUDIES

- Master of International Public Policy: Khin Maung Win
- Master of Arts: Aliko Firoglani-Moschis
Marjorie Mary Uelani Morris
Scott William Pflueger
Charles Schwartz, of Washington, D.C.

