UNIVERSITY of PENNSYLVANIA

Two Hundred Thirty-Fourth Commencement
for the
Conferring of Degrees

FRANKLIN FIELD
Monday, May 14, 1990
The Commencement Ceremony

MUSIC
The First United States Army Band
DAVID A. RATLIFF, Conductor and Commander

STUDENT PROCESSION

PROCESSION OF THE CLASS OF 1940

ACADEMIC PROCESSION

PROCESSION OF ALUMNI CLASS REPRESENTATIVES

OPENING PROCLAMATION
Alvin V. Shoemaker, Chairman of the Trustees

INVOCATION
Stanley E. Johnson, Chaplain

THE NATIONAL ANTHEM

GREETINGS
Sheldon Hackney, President

ACADEMIC HONORS
Michael T. Aiken, Provost

CONFERRING OF HONORARY DEGREES

The President

Baruch S. Blumberg
Master of Balliol College, Oxford University
University Professor of Medicine and Anthropology, University of Pennsylvania
Nobel Laureate in Medicine

Doctor of Science

Barbara Pierce Bush
First Lady of the United States

Doctor of Laws

William Henry Cosby, Jr.
Actor and Entertainer

Doctor of Laws

Raymond Davis, Jr.
Research Professor of Astronomy and Astrophysics
Former Senior Scientist, Brookhaven National Laboratory

Doctor of Science

Izrael M. Gelfand
Professor, Department of Mathematics and Mechanics, Moscow State University

Doctor of Science

Jane Goodall
Primatologist and Naturalist

Doctor of Humane Letters

C. Everett Koop
Chairman, National Coalition to Prevent Childhood Injury
Former Surgeon General of the United States
Professor Emeritus of Pediatrics
Former Surgeon-in-Chief, The Children's Hospital of Philadelphia

Doctor of Science

The audience is requested to stand during the Academic Procession, the Invocation, the singing of the National Anthem and The Red and Blue, and the Benediction, and to remain in place until the Academic Procession has left the field.
AKIO MORITA  Chairman, Sony Corporation  Doctor of Laws
SIR DAVID SMITH  Principal and Vice Chancellor, University of Edinburgh  Doctor of Laws
FAYE WATTLETON  President, Planned Parenthood of America  Doctor of Laws
TATYANA IVANOVNA ZASLAVSKAYA  Sociologist and Economist, Director, Center for Public Opinion Research, Moscow, Member of the Congress of People's Deputies  Doctor of Laws

ACADEMIC FESTIVE ANTHEM . . . Words by Benjamin Franklin  Music by Bruce Montgomery  The Commencement Chorus and First Army Band  BRUCE MONTGOMERY, Conductor

INTRODUCTION OF THE COMMENCEMENT SPEAKER  The Provost

COMMENCEMENT ADDRESS  BARBARA PIERCE BUSH, First Lady of the United States

GREETINGS  ALMARIN PHILLIPS, Chair, Faculty Senate

PRESENTATION OF THE FIFTY-YEAR CLASS  The President

CONFERRING OF DEGREES IN COURSE  The President  Candidates are presented by the Deans and the Deputy Provost

CLOSING REMARKS  The President

THE RED AND BLUE  (By William J. Goeckel, '96 and Harry E. Westervelt, '98)
Come all ye loyal classmen now, in hall and campus through,
Lift up your hearts and voices for the royal Red and Blue.
Fair Harvard has her crimson, old Yale her colors too,
But for dear Pennsylvania we wear the Red and Blue.
Hurrah! Hurrah! Pennsylvania! Hurrah for the Red and the Blue:
Hurrah! Hurrah! Hurrah! Hurrah! Hurrah for the Red and the Blue.

BENEDICTION  The Chaplain

RECESSIONAL