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## Naval Postgraduate School Graduation Exercises / Class of March 1984

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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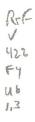
VAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

graduation exercises

30 MARCH 1984

AT THREE O'CLOCK



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## Superintendent ROBERT H. SHUMAKER

Commodore, United States Navy

Provost
DAVID A. SCHRADY
Doctor of Philosophy

Director of Programs
MATTHEW F. PASZTALANIEC
Captain, United States Navy

Dean of Information and Policy Sciences
KNEALE T. MARSHALL
Doctor of Philosophy

Dean of Science and Engineering JOHN N. DYER Doctor of Philosophy

Director of Military Operations
DAVID A. SRITE
Captain, United States Navy

Dean of Academic Administration GERALD H. LINDSEY Doctor of Philosophy

#### MISSION

"To conduct and direct advanced education of commissioned officers and to provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval Service; and, in support of the foregoing, to foster and encourage a program of research in order to sustain academic excellence."

### the program

#### **PROCESSIONAL**

Professor ALFRED W.M. COOPER	Grand	Marsha
Professor JAMES M. FREMGEN	*********	Marsha
Professor ROBERT E. NEWTON		Marsha
Lieutenant Colonel JOSEPH F. MULLANE, US Marine Corps	******	Marsha

#### NATIONAL ANTHEM

#### INVOCATION

INTRODUCTION OF SPEAKER

Commodore ROBERT H. SHUMAKER, U.S. Navy

#### **ADDRESS TO GRADUATES**

General ROBERT T. MARSH, U.S. Air Force Commander, Air Force System Command

#### PRESENTATION OF AWARDS

Monterey Peninsula Council Navy League Award
Commodore Garce Murray Hopper Computer Technology Award
CNO Award in Operations Research
MORS Graduate Research Award
CNO Communication Award
CNO Antisubmarine Warfare Award
NAVSEASYSCOM Award in Naval Engineering
The United States Naval Institute Award
Joint C<sup>3</sup> Award
AFCEA Honor Award

PRESENTATION OF CANDIDATES
BY DEPARTMENT CHAIRPERSON

ANNOUNCEMENT OF DEGREES

Commodore ROBERT H. SHUMAKER, U.S. Navy
Provost DAVID A. SCHRADY

BENEDICTION

**RECESSIONAL** 

## platform party

FIRST ROW (left to right)

Commander Melvin J. Hary CHC, United States Navy

Colonel Albert J. Ransom United States Marine Corps

Captain Stephen P. Leane
United States Coast Guard

Provost David A. Schrady
Provost, Naval Postgraduate School

Commodore Robert H. Shumaker, USN Superintendent, Naval Postgraduate School

General Robert T. Marsh, U.S. Air Force Commander, Air Force Systems Command

Rear Admiral Kelly E. Taggart
National Oceanic And
Atmospheric Administration

Colonel Neal B. McCurdy United States Army

Mrs. Jane Herbst
Regional Vice-President, Monterey Peninsula
Council of the Navy League

Captain Matthew F. Pasztalaniec
U.S. Navy
Director of Programs, Naval Postgraduate School

SECOND ROW

Professor Michael G. Sovereign
Command Control and Communications
Academic Group

TA GROSS

Professor Neagle R. Forrest
Antisubmarine Warfare Academic Group

Professor Gordon E. Schacher
Department of Physics

Professor Robert J. Renard
Department of Meteorology

Professor David K. Hsiao
Department of Computer Science

Professor Richard S. Elster
Department of Administrative Sciences

Professor Alan R. Washburn
Department of Operations Research

Professor Donald M. Layton
Department of Aeronautics

Professor Paul J. Marto
Department of Mechanical Engineering

Professor John H. Duffin
Department of Electrical Engineering

Professor Sherman W. Blandin
Department of National Security Affairs

### awards

### MONTEREY PENINSULA COUNCIL, NAVY LEAGUE AWARD for HIGHEST ACADEMIC ACHIEVEMENT

Presented to the graduating USN, USMC or USCG officer who has maintained the highest academic grade average as a student at the Naval Postgraduate School.

Lieutenant Commander WILLIAM R. ASHFORTH, U.S. Coast Guard

#### COMMODORE GRACE MURRAY HOPPER AWARD for COMPUTER TECHNOLOGY

Presented to graduating USN, USMC or USCG officers on the basis of thesis quality, academic performance and demonstrated leadership ability in the study of computer technology.

Lieutenant Commander WILLIAM R. ASHFORTH, U.S. Coast Guard

### CHIEF OF NAVAL OPERATIONS AWARD for EXCELLENCE in OPERATIONS RESEARCH

Presented semiannually to the outstanding USN or USMC graduate of the Operations Research Program on the basis of academic achievement, experience tour performance, thesis work and demonstration of those qualities indicative of an outstanding military officer.

Lieutenant STEVEN C. ROWLAND, U.S. Navy

## MILITARY OPERATIONS RESEARCH SOCIETY GRADUATE RESEARCH AWARD

Presented in recognition of outstanding achievement in graduate research directed toward improving military force utilization. The primary award criterion is research which leads to demonstration of, or potential for increased operating effectiveness of currently available or near term assets.

Lieutenant Commander RICHARD B. GRAHLMAN, U.S. Navy

#### CHIEF OF NAVAL OPERATIONS COMMUNICATION AWARD

Presented in recognition of distinguished academic achievement in the Communications Engineering or Telecommunications Systems programs who has attained an outstanding academic record and who exhibits those qualities of an outstanding military officer.

Lieutenant ELIZABETH A. HIGHT, U.S. Navy

### CHIEF OF NAVAL OPERATIONS ANTISUBMARINE WARFARE AWARD

Sponsored by the National Security Industrial Association and presented in recognition of distinguished academic achievement to that ASW Curriculum graduate who has demonstrated outstanding academic performance and exhibited those qualities indicative of an outstanding military officer.

Lieutenant JOHN D. LAMBERT, U.S. Navy

#### NAVAL SEA SYSTEMS COMMAND AWARD in NAVAL ENGINEERING

Presented in recognition of distinguished academic achievement in the Naval Engineering Program. The criteria for the award includes demonstrated academic excellence measured by marks attained, contents of thesis and demonstrated leadership potential in Naval Engineering.

Lieutenant Commander KENNETH M. HOLDEN, National Oceanic
And Atmospheric Administration

#### UNITED STATES NAVAL INSTITUTE AWARD

Presented each quarter to that recipient of a Master's Degree in National Security Affairs whose achievement has significantly advanced professional, literary or scientific knowledge in the naval or maritime services.

Lieutenant BETH H. PAPWORTH, U.S. Navy

## JOINT CHIEFS OF STAFF COMMAND, CONTROL, and COMMUNICATIONS AWARD for ACADEMIC ACHIEVEMENT

Presented to the outstanding graduate of the Command, Control and Communications Program in recognition of distinguished academic achievement based on marks attained, quality of thesis and overall performance.

Captain JOHNNIE L. TRIVETTE, U.S. Air Force

## ARMED FORCES COMMUNICATIONS and ELECTRONICS ASSOCIATION HONOR AWARD

Presented to that officer graduate who has achieved academic excellence and best demonstrated professional qualities in one of the following programs: Electronics, Communications, Intelligence, Command and Control, or Computer Technology.

Captain DAVID A. OWENS, U.S. Air Force

#### NAVAL POSTGRADUATE SCHOOL DEPARTMENT CHAIRPERSON

Professor Robert J. Renard Meteorology

Professor Abraham Sheingold (Acting)
Electrical Engineering

Professor Gordon E. Latta Mathematics

Professor Alan R. Washburn
Operations Research

Professor Sherman W. Blandin National Security Affairs

Professor Donald M. Layton (Acting)
Aeronautics

Professor Christopher N.K. Mooers
Oceanography

Professor Paul J. Marto Mechanical Engineering

Professor Gordon E. Schacher
Physics

Professor David K. Hsiao Computer Science

Professor Richard S. Elster Administrative Science

Professor R. Neagle Forrest Antisubmarine Warfare

Professor John M. Bouldry
Electronic Warfare

Professor Michael G. Sovereign Command, Control and Communications

## the graduates

Those officers whose names are preceded by an \* are being presented their degrees in absentia.

#### MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

HURST, Jules W., II, CAPT, USAF
BOYD, George G., CPT, USA
KRAUSS, Richard E., MAJ, USA
KERNEK, Keith, CPT, USA
\*WOLF, William E., CPT, USA
GALVIN, Beulah C., LT, USN
HOLLIDAY, Guy D., LT, USN
LUCAS, Daniel D., LCDR, USN
MARTIN, Carrie E., LT, USN
MILLER, Jeanne M., LCDR, USN
PAPWORTH, Beth H., LT, USN

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PAPWORTH, Richard N., LCDR, USN
RICHASON, Steve K., LCDR, USN
\*RUNYAN, Albert D., LT, USN
RUZICKA, Richard M., LCDR,
USN
SEIGEL, Thomas G., LCDR, USN
SOUSA, Thomas E., LT, USN
SWEET, William J., LT, USN
TURNBULL, Vivian L., LT, USN
\*WYATT, Patricia W., Mrs., National
Security Agency, Fort Meade, MD

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### NAVAL POSTGRADUATE SCHOOL CURRICULAR OFFICERS

Lieutenant Commander PATRICK A. SANDOZ, U.S. Navy
Operations Analysis

Commander WILLIAM M. SIEGEL, U.S. Navy
Aeronautical Engineering

Commander ANDREW P. SOSNICKY, U.S. Navy Electronics and Communications

Commander HERBERT B. SHAW, III, U.S. Navy Weapons Engineering

Captain ALAN J. JOHNSON, U.S. Navy Naval Engineering

Commander CARL B. IHLI, JR., U.S. Navy
Air-Ocean Sciences

Commander FRANK B. KELLER, U.S. Navy
Administrative Sciences

Commander MICHAEL J. ANDERSON, U.S. Navy
Computer Technology

Captain LAURENCE N. SCHUETZ, U.S. Navy National Security Affairs/Intelligence

Lieutenant Colonel JOHN T. MALOKAS, JR., U.S. Air Force
Command, Control and Communications

Commander STEPHEN M. PRIBULA, U.S. Navy
Antisubmarine Warfare

#### MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

DULIN, Patrick J., MAJ, USMC
DEAL, John C., CPT, USA
MAUNEY, Dennis L., CPT, USA
URIAS, John M., CPT, USA
BOZKURT, Dogan, LTJG, Turkish
Navy
JAROS, Joseph M., CDR, USN

LEVANDUSKI, Stanley J., LT, USN
MILLER, David E., LT, USN
NICKLAW, Christopher J., LT,
USN
RICE, Barbara E., LT, USN
THEIS, Gary A., LCDR, USN

#### MASTER OF SCIENCE IN MECHANICAL ENGINEERING

ASADA, Michael K., CPT, USA
BECKER, John J., LCDR, USN
EZZELL, Stephen M., LCDR, USN
HENDERSON, Dwight O., Jr., LT, USN
HOLDEN, Kenneth M., II, LCDR,
NOAA

JANIKOWSKY, Linda C., LT, USN KNOUSE, Stephen T., LT, USN SZATKOWSKI, James L., LT, USN

#### MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

MENG, Ronald L., MAJ, USMC
CURTSINGER, Delbert A., LCDR, USN
DURHAM, Wayne C., CDR, USN
GRAVES, Scott F., LT, USN
HANSEN, Allen C., LT, USN

HODEN, John G., II, LCDR, USN MILTON, Dale A., LT, USN PARAFIORITO, Ted M., LT, USN SHIN Bo Hyun, MAJ, Republic of Korea Air Force

#### MASTER OF SCIENCE IN OPERATIONS RESEARCH

ARDAN, Nicholas I., LCDR, USN
BARROWMAN, Glenn J., LCDR, USN
BERRY, Vance D., LT, USN
BONWIT, Willard R., Jr., LT, USN
CALERO, Alfonso E., LCDR,
Colombian Navy
CHO Joong Kun, MAJ, Republic of
Korea Army
FEENEY, Christopher E., LT, USN
GILLESPIE, James I., Jr., LT, USN
GRAHLMAN, Richard B., LCDR, USN
HEATHCOTE, Richard W., LT, USN
LENIO, Edward A., LCDR, USN

LIND, Judith H., Mrs. Naval Weapon
Center, China Lake, CA
MCDONELL, James A., LT, USN
OURLIAN, Dennis, LT, USN
PORNSURIYA, Suriya, ENS, Royal
Thai Navy
ROBISON, Russell H., LCDR, USN
ROWLAND, Steven C., LT, USN
SCHLUCKEBIER, Daniel C., LT, USN
SHEPPARD, William L., Jr., LCDR,
USN
YARBOROUGH, Joseph E., LCDR,
USN

#### MASTER OF SCIENCE IN MANAGEMENT

BARNETT, Michael S., LCDR, USN DARTON, Terry H., LCDR, USN DOLAN, Robert D., LCDR, USN HARAVGIS, Panagiotis, MAJ, Hellenic Air Force HOLT, Robert P., CDR, USN

INTRAPRASITE, Phadungsak, LTJG, Royal Thai Navy KNAGGS, Christopher D., LCDR, USN MILLER, Raymond L., LCDR, USN PROCTOR, John S., LT, USN SANDERS, Robert E., LCDR, USN

# MASTER OF SCIENCE IN TELECOMMUNICATIONS SYSTEMS MANAGEMENT

CLUCK, James W., Jr., CAPT, USMC DESTEFANIS, Robert P., CAPT, USMC

KLINGLER, Scott L., CAPT, USAF DEZELAN, Dennis J., CPT, USA

# MASTER OF SCIENCE IN TELECOMMUNICATIONS SYSTEMS MANAGEMENT (Continued)

HOLLAND, Junius M., CPT, USA
RUEGNITZ, Steven A., CPT, USA
BROUSE, John A., Jr., LCDR, USN
EINIS, Ligita, LT, USN
FARLEY, Norman J., LT, USN
FIRMATURA, Melodie K., LCDR, USN
HIGHT, Elizabeth A., LT, USN

NORWOOD, Charles J., LT, USN
O'BRYANT, Rozella E., LCDR, USN
PAOLI, Ramon D., LT, Peruvian Navy
STRAUB, Debra A., LT, USN
\*WOOD, Charles A., LCDR, USN
YANTIS, Kathleen M., LCDR, USN

#### MASTER OF SCIENCE IN INFORMATION SYSTEMS

HAEUSLER, David P., CAPT, USMC JOHNSON, James R., CAPT, USMC LOCKETT, Keith V., CAPT, USMC O'NEIL, Michael E., CAPT, USMC PRUIETT, Ronald E., LTCOL, USMC ASHFORTH, William R., LCDR, USCG RHOADES, Howard P., LT, USCG WALTS, David L., LCDR, USCG BOYNTON, John G., MAJ, USA SMITH, Theodore J., Jr., MAJ, USA BIRDWELL, David M., LT, USN CHOE Young Kyu, LCDR, Republic of Korea Navy CHUNG Koo Don, MAJ, Republic of Korea Air Force \*COLLIER, Dewey R., LCDR, USN DE LORENZO, James M., LCDR, USN GALDUN, Michael J., LT, USN HIGHFILL, Keith G., LT, USN HOFFMAN, Thomas L., LCDR, USN JOHNSON, William C., LCDR, USN KAPLAN, Roger E., LT, USN

KIM Dae Kyum, LT, Republic of Korea Navy KORBAK, Michael, LCDR, USN LA RUE, Stephen L., LCDR, USN \*LILLARD, William A., III, LCDR, USN MCADAMS, Mary E., LT, USN MORTON, Howard E., LT, USN NICHOLS, Ronald G., LCDR, USN PARK Choong IL, LTCOL, Republic of Korea Army PROVANCE, Marcia E., LT, USN PUFFER, James W., CDR, USN RILEY, Richard P., LCDR, USN ROBERTSON, Debra L., LT, USN RUFF, David C., LT, USN SCOTT, Gloria J.C., LCDR, USN SHIMP, David K., LT, USN TAYLOR, Howard C.D., Jr., LCDR, USN TSIRONIS, Theodore C., MAJ,

Hellenic Army

#### MASTER OF SCIENCE IN COMPUTER SCIENCE

DIENG, Abdoulaye, LTCOL, Senegalese Army \*WYATT, Robert W., Mr., National Security Agency, Fort Meade, MD

SCHENONE, Bruno, CDR, Peruvian Navy

## MASTER OF SCIENCE IN METEOROLOGY AND OCEANOGRAPHY

BOSSE, Thomas E., LT, USN COPLEY, David C., LT, USN KARL, Michael L., LCDR, USN NELSON, James A., LCDR, USN

HERRET, Thomas R., LCDR, USN

#### MASTER OF SCIENCE IN METEOROLOGY

SAUNDERS, David J., CAPT, USAF

WILKERSON, Richard B., CAPT, USAF

SOUDERS, Cheryl G., CAPT, USAF

#### MASTER OF SCIENCE IN PHYSICS

FARMER, William J., MAJ, USA

## MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY ANTISUBMARINE WARFARE

\*BURGESS, Frederick W., LT, USN
CONNELLY, Michael J., LCDR, USN

LAMBERT, John D., LT, USN O'BRIEN, Daniel E., LT, USN

FONDREN, Steven V., LCDR, USN

\*SCOTT, Robert J., LCDR, USN

GREEN, Michael J., LT, USN

WEISS, Charles H., Jr., LT, USN

JORDAN, WILL H., LCDR, USN

# MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY COMMAND, CONTROL AND COMMUNICATIONS

LANE, Lawrence B., CAPT, USMC MARTIN, Terry L., MAJ, USMC BADGER, Arthur D., CAPT, USAF BROWN, Garland B., CAPT, USAF

CARLSON, Joel A., CAPT, USAF

CLEVELAND, Jannine L. A., CAPT, USAF LINNSTAEDT, John B., MAJ, USAF OWENS, David A., CAPT, USAF

TRIVETTE, Johnnie L., CAPT, USAF

## MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY (Continued) COMMAND, CONTROL AND COMMUNICATIONS

TSCHUDY, James J., II, CAPT, USAF CONRAD, Martin R., Jr., CPT, USA HALLAGAN, Robert E., CPT, USA HARRIS, George C., CPT, USA OWENS, James D., MAJ, USA RISNEY, Robert G., CPT, USA SHAHA, Patrick J., CPT, USA TOMBRELLA, Jack B., CPT, USA BIGELOW, David D., LT, USN ELMLINGER, Ronald H., LT, USN

LOMBARDO, John P., Mr., National Security Agency, Fort Meade, MD MCCOY, Sheila K., LCDR, USN O'BRYANT, Kenneth M., LCDR, USN RODRIGUEZ, William D., LT, USN SHULTZ, George W., LCDR, USN \*VOGAN, Charles S., Jr., LCDR, USN WHITWORTH, Laurel W., Jr., LCDR, USN

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#### MECHANICAL ENGINEER

HENDERSON, Dwight O., Jr., LT, USN HOLDEN, Kenneth M., II, LCDR, NOAA

#### AERONAUTICAL ENGINEER

DURHAM, Wayne C., CDR, USN SHIN Bo Hyun, MAJ, Republic of Korea Air Force

#### HISTORY OF THE SCHOOL

In 1909 the first Naval Postgraduate School, then called the Postgraduate Department of the U.S. Naval Academy, was established at Annapolis, Maryland. On June 9 that year ten students made up the class, three professors formed the faculty, and Marine Engineering was the only curriculum. When the first class graduated in 1911, Beekman Winthrop, Assistant Secretary of the Navy, said, "There will be some day a postgraduate course to call all the officers of the Navy together. This school is the beginning, and may be the one on which the Navy Department of the future may have to depend." As the school expanded over the next seven decades, his words have proved prophetic.

During World War I, the school closed, but classes resumed in 1919. Two years later the department was renamed the United States Naval Postgraduate School. In 1927, the General Line Course was established to acquaint junior line officers with modern developments within the Navy and broaden their professional knowledge for future command at sea.

World War II caused tremendous expansions of activities and a large increase in student enrollment. The school grew to meet the needs of the Navy, and more courses were added to the curriculum. After the 1945 armistice, the Navy began plans to move the school away from Annapolis and improve its professional status. Between 1945 and 1948, Congress established the school as a separate activity under its own superintendent, created the office of academic dean, granted the superintendent authority to award the bachelor's, master's and doctor's degrees and approved Monterey, California as the future home of the school.

After purchasing the former Hotel Del Monte and the surrounding acreage, the Navy officially established the school on the West Coast in 1951. Since moving to Monterey the postgraduate school has focused upon professional graduate education.

To meet this end, the Navy has made a strong commitment to quality postgraduate education of its officer corps — and for good reason. In addition to meeting the needs for near-term functional skills, this investment has served as a mechanism for sustaining the foundation of intellectual vigor in critical areas of expertise. Experience has proven that graduate level education is a fundamental constituent in the building of operational, technical, and managerial skills essential to maintaining institutional excellence in the face of dramatic change.

In support of national defense requirements, the Naval Postgraduate School graduates an average of 800 officers a year, and offers a variety of courses in science, management and engineering. In addition, its faculty members are dedicated to providing the highest quality education for their students — more than 1200 officers of all five U.S. services, 25 allied nations and U.S. government civilians.

### academic dress

The cap and gown and colorful hood so prominent in commencement ceremonies resemble to some extent articles of dress worn by church and university dignitaries in the Middle Ages. The cap and gown indicate that the wearer is a member of a university or college. The hood shows the degree the wearer holds.

The gown for the bachelor's degree has pointed sleeves and is designed to be worn closed. The master's gown has closed sleeves, square at the end, the arms coming through a slit at the elbow; it may be worn open or closed. The doctor's gown has bell-shaped sleeves and may be worn open or closed. Down the front the doctor's gown has a facing of velvet and three bars of the same material on each sleeve. The facing and bars may be either black or the color distinctive of the subject to which the degree pertains. The cap is worn for all degrees; the doctor may wear a golden tassel

Hoods are normally black with a colorful lining rolled outward. Bachelor's hoods are three feet long, master's three and one half feet, and doctor's four feet.

For all academic purposes, including trimmings for the doctor's gown, edgings of loods, and tassels of caps, the colors associated with the different subjects are as follows:

Agriculture Maize Arts, Letters, Humanities White Business, Commerce Drab Education Light Blue Engineering Orange Forestry Russet Home Economics Maroon	Library Science Lemon Music Pink Pharmacy Olive Green Philosophy Dark Blue Physical Education Sage Green Science Golden Yellow Theology Scarlet
Home Economics Maroon Law Purple	Theology Scarlet Veterinary Science Gray

The silk or satin lining of the hood is the color or colors of the university or college which conferred the degree. Some have a slash or chevron of contrasting color. For example:

	University Granting Degree	Lining Slash or Chevron	
	University of Wisconsin University of Minnesota Yale University University of California University of Washington University of Oregon New York University Stanford University Columbia University University of Michigan University of Texas Duke University Cornell University Harvard University Michigan State University State University State University State University Oregon State University	Lining Slash or Chevron Bright Red Old Gold Maroon Blue Gold Yale Blue Purple Above Gold Lemon Yellow Dark Green Violet Cardinal Light Blue White Maize Blue White Above Orange Royal Blue White Cardinal Two White Cardinal Two White Cardinal Two White Cardinal Two White Cardinal Burnt Orange Royal Blue White Cardinal Burnt Orange Royal Burnt Orange Royal Burnt Orange Royal Burnt Orange Black, Orange Princeton Orange	
100	Lewis and Clark College University of Denver	Cardinal Gold	

The Naval Postgraduate School hood has a satin lining of dark blue with a gold chevron.

