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Naval Postgraduate School (U.S.)

Monterey, CA; Naval Postgraduate School

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POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

GRADUATION EXERCISES

FRIDAY AFTERNOON

23 JUNE 1978

AT THREE O'CLOCK

Ref.
V422
- F466

Superintendent
TYLER F. DEDMAN
Rear Admiral, United States Navy

Provost
JACK R. BORSTING
Doctor of Philosophy

Director of Programs
JOSEPH M. BARRON
Captain, United States Navy

Dean of Information and Policy Sciences
DAVID A. SCHRADY
Doctor of Philosophy

Dean of Science and Engineering (Acting)
GEORGE J. HALTNER
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 Marshal
Professor MATTHEW D. KELLEHER Marshal
Professor OSCAR BIBLARZ Marshal
Lieutenant Colonel NEIL P. MILLER, U.S. Marine Corps Marshal

NATIONAL ANTHEM

INVOCATION

Captain JOHN H. KAELEBERER, CHC, U.S. Navy

INTRODUCTION OF SPEAKER

Rear Admiral TYLER F. DEDMAN, U.S. Navy

ADDRESS TO GRADUATES

The Honorable LEON E. PANETTA
Member, U.S. House of Representatives

PRESENTATION OF AWARDS

Naval Postgraduate School Foundation Special Scholarship Awards
Rear Admiral John Jay Schiefflin Award in Excellence in Teaching
Navy League of Monterey Award
Admiral William Adger Moffett Award
W. Randolph Church Award
Mewborn Student Research Award
Captain Woelfel Award
Naval Sea Systems Command Award in Naval Engineering
Naval Electronics Systems Command Award

PRESENTATION OF CANDIDATES

BY DEPARTMENT CHAIRMEN

ANNOUNCEMENT OF DEGREES

Rear Admiral TYLER F. DEDMAN, U.S. Navy
Dean GEORGE J. HALTINER

BENEDICTION

Captain JOHN H. KAELEBERER, CHC, U.S. Navy

RECESSIONAL



platform party

FIRST ROW (left to right)

Captain John H. Kaelberer
CHC, U.S. Navy
Chaplain, Naval Postgraduate School

Colonel Randall Johnston
United States Air Force

Colonel Ray A. Stephens
United States Marine Corps

Colonel John D. Hutton
United States Army

Professor George J. Haltiner
Dean of Science and Engineering (Acting)

Rear Admiral Tyer F. Dedman, U.S. Navy
Superintendent, Naval Postgraduate School

The Honorable Leon E. Panetta
Member, U.S. House of Representatives

Mrs. Jane Herbst
National Director, Navy League

Mr. Alfred Gawthrop
Naval Postgraduate School Foundation

Dr. Selden B. Spangler, Jr.
American Institute of Aeronautics and Astronautics

Captain Edward F. Lewis
United States Coast Guard

Captain Joseph M. Barron, U.S. Navy
Director of Programs, Naval
Postgraduate School

SECOND ROW

Professor John D. Senger
Department of Administrative Sciences

Professor Gordon R. Bradley
Department of Computer Science

Professor Glenn H. Jung
Department of Oceanography

Professor Russell L. Elsberry
Department of Meteorology

Professor Karlheinz E. Woehler
Department of Physics and Chemistry

Professor Maximilian F. Platzer
Department of Aeronautics

Professor Gilbert T. Howard
Department of Operations Research

Professor Donald E. Kirk
Department of Electrical Engineering

Professor Paul J. Marto
Department of Mechanical Engineering

Professor Patrick J. Parker
Department of National Security Affairs

awards

NAVY LEAGUE OF MONTEREY AWARD for ACADEMIC ACHIEVEMENT

Lieutenant Commander CLEVELAND D. ENGLEHARDT, U.S. Navy

ADMIRAL WILLIAM ADGER MOFFETT AWARD

Lieutenant Commander JOSEPH A. STRADA, U.S. Navy

W. RANDOLPH CHURCH AWARD

Lieutenant PETER C. OLSEN, U.S. Coast Guard

MEWBORN STUDENT RESEARCH AWARD

Lieutenant Commander MARTON J. DUNDICS, U.S. Navy

CAPTAIN WOELFEL AWARD

*Lieutenant JOHN H. PREISEL, U.S. Navy

NAVAL SEA SYSTEMS COMMAND AWARD in NAVAL ENGINEERING

Lieutenant Commander FARHAD RAJABI, Imperial Iranian Navy

NAVAL ELECTRONICS SYSTEMS COMMAND AWARD for DISTINGUISHED ACADEMIC ACHIEVEMENT

Lieutenant BOBBIE G. EDGINGTON, U.S. Navy

*Awarded in absentia

NAVAL POSTGRADUATE SCHOOL DEPARTMENT CHAIRMEN

Professor GEORGE J. HALTNER
Meteorology

Professor DONALD E. KIRK
Electrical Engineering

Professor CARROLL O. WILDE
Mathematics

Professor MICHAEL G. SOVEREIGN
Operations Research

Professor PATRICK J. PARKER
National Security Affairs

Professor RICHARD W. BELL
Aeronautics

Professor DALE F. LEIPPER
Oceanography

Professor ALLEN E. FUHS
Mechanical Engineering

Professor KARLHEINZ E. WOehler
Physics and Chemistry

Professor GORDON H. BRADLEY
Computer Science

Professor CARL R. JONES
Administrative Science



NAVAL POSTGRADUATE SCHOOL CURRICULAR OFFICERS

Lieutenant Commander JOSEPH H. CYR, JR., U.S. Navy
Operations Research/Systems Analysis

Commander LEO A. LUKENAS, U.S. Navy
Aeronautical Engineering

Lieutenant Commander ALLAN W. TULLOCH, U.S. Navy
Electronics and Communications

Commander EDWARD J. MAHON, U.S. Navy
Weapons Engineering

Commander GEORGE P. NEYMAN, U.S. Navy
Naval Engineering

Lieutenant Commander JOHN S. KOLODZIEJ, U.S. Navy
Environmental Sciences

Lieutenant Commander JOSEPH D. MONZA, U.S. Navy
Administrative Sciences

Lieutenant Commander BRUCE R. JOHNSEN, U.S. Navy
Computer Technology

Commander THOMAS H. BARR, U.S. Navy
Naval Intelligence

Lieutenant Colonel FRANCIS R. MURPHY, U.S. Air Force
Command, Control and Communications

the graduates

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

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

*AYDIN, Mehmet, LT, Turkish Navy

*KUNTSAL, Ender, LT, Turkish Navy

*KIYAR, Osman T., LT, Turkish Navy

BACHELOR OF SCIENCE WITH MAJOR IN COMPUTER SCIENCE

GONCALVES, Antonio, LCDR, Brazilian Navy



MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

*ARMSTRONG, Alan P., LTC, USA

*PELLERIN, William E., CAPT, USAF

*DELLERT, Luis A., CPT, USA

*RAUSCHKOLB, Richard S., CAPT, USAF

*O'GRADY, Michael J., CPT, USA

ROGERS, Alvah L., MAJ, USAF

*WEST, Lowry A., MAJ, USA

ELSTON, Ernest W., CAPT, USAF

*SULLIVAN, Troy L., II, CAPT, USAF

KORTANEK, Gregory A., CAPT, USAF

*HOLCOMB, Keith J., CAPT, USMC

*NULL, Richard C., CAPT, USAF

CONDON, John K., LT, USN

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

DEMO, Willard J., Jr., LT, USN

PURNOMO, Ignatius S., MAJ, Indonesian Army

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

BLOSS, Hans A., LCDR, Federal German Navy

RHOADES, William A., LT, USN

CUMMINS, Eugene J., Jr., LCDR, USN

ROCHA, Ivano, LCDR, Brazilian Navy

EDGINGTON, Bobbie G., LT, USN

SANAIE-FARD, Masoud, CDR, Imperial Iranian Navy

LANGSTON, Marvin J., LT, USN

XUMSAENG, Yodchai, LT, Royal Thai Navy

MULKERN, Trent C., LT, USN

MASTER OF SCIENCE IN OPERATIONS RESEARCH

TORRES, Raul H., CPT, USA
NEAL, Richard O., MAJ, USMC
COSTA, Mark A., CAPT, USMC
ENGLER, Brian D., LCDR, USN

MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

RESTIVO, Johnny D., MAJ, USMC
McFILLIN, James F., Jr., LT, USN
BLAKELY, Frederick M., Jr., LCDR,
USN
*SAPP, Charles N., Jr., LCDR,
USN
*HEWETT, Michael E., LT, USN
SIEGEL, William M., LCDR, USN

MASTER OF SCIENCE IN PHYSICS

HENDERSON, Daniel G., LT,
USCG
HUNTER, Edward E., LT, USN
MILLBACH, Miles A., LT, USCG
MEYER, Daniel H., LT, USN
BARRY, John M., LT, USN
PERIN, Jeffery M., LT, USN
DEVLIN, John C., LT, USN
POZINSKY, Gregory, LT, USN
HASS, Hubert, LCDR, Federal
German Navy
WILLIAMS, Robbie L., LT, USN

MASTER OF SCIENCE IN APPLIED SCIENCE

HENDERSON, Daniel G., LT, USCG
*THOMAS, Mark A., LT, USN

MASTER OF SCIENCE WITH MAJOR IN MATHEMATICS

MILLBACH, Miles A., LT, USCG

MASTER OF SCIENCE IN METEOROLOGY

WALTERS, Thomas P., CAPT, USAF

MASTER OF SCIENCE IN OCEANOGRAPHY

BAKER, Timothy L., LT, USN
SCHAEFFER, George, LT,
USN
*GRAHAM, Gordon P., LCDR,
Canadian Armed Forces

MASTER OF SCIENCE IN COMPUTER SCIENCE

*EASTON, Darl E., CAPT, USAF
NIEMANN, Wolfgang, LCDR,
Federal German Navy
CHAPMAN, Jack A., LTCOL, USMC
ROCHA, Ivano, LCDR, Brazilian
Navy
GRACIDA, Joaquin C., MAJ, USMC
STILWELL, Robert R., LT, USN
PACCASSI, Jerry G., MAJ, USMC
TRIYONO, LTCOL, Indonesian Army
BAYRAKTAR, A. Nevzat, LT, Turkish
Navy
DE LA CUBA, Javier E., LT, Peruvian
Navy
*WARREN, Thomas E., LT, USN
GONCALVES, Antonio, LCDR,
Brazilian Navy
WICK, Carl E., LT, USN
YILDIRIM, Ataman, LT, Turkish Navy

MASTER OF SCIENCE IN COMPUTER SYSTEMS MANAGEMENT

BROWN, David A., CPT, USA
GRAHAM, William L., LT, USN
GLOVER, Donald L., CPT, USA
GRONEMANN, Bruce W., LT, USN
SEBACHER, Ralph I., CPT, USA
HAMMER, Susan C., LT, USN
*BLISS, Larry D., LCDR, USN
KENDALL, J. Bruce, LT, USN
BUTLER, William T., LT, USN
KUSTIWA, Dadad, LCOL, Indonesian
Army
FULLER, Dana A., LT, USN
GOODNIGHT, Lyman E., III, LT, USN
*SIEGEL, Harry M., LT, USN

MASTER OF SCIENCE IN MANAGEMENT

ALLEN, James M., CPT, USA
SAMUEL, Clifford L., LT, USCGR
LANGFORD, William D., CPT, USA
WEHNER, Stephen J., LT, USCG
ROBINSON, Russell N., CPT, USA
ALLISON, Robert C., LCDR, USN
THOMPSON, Grover F., MAJ, USA
*BOHANNON, Donald C., LT, USN
WIER, Henry W., CPT, USA
CARTER, William L., LT, USN
SPURGEON, James D., III, CAPT,
USAF
EASTON, Frederick B., LT, USN
HARM, Gregory L., CAPT, USMC
ENGLEHARDT, Cleveland D., LCDR,
USN
HENDERSON, Michael M., CAPT,
USMC
FOLKMAN, Stewart G., LT, USN
RANNALS, Larry D., MAJ, USMC
GRAETER, William F., LCDR, USN

MASTER OF SCIENCE IN MANAGEMENT (Continued)

GREEN, Don T.	SEEBECK, Robert N., LT, USN
KLEIN, George A., III, LCDR, USN	SMITH, Earl L., Jr., LT, USN
KUNTJORO, A., MAJ, Indonesian Navy	*VELLIS, John D., II, LCDR, USN
LANOUX, Steven M., LT, USN	WEITENHILLER, Larry K., LCDR, USN
MIXNER, Frank L., LCDR, USN	WELLS, Paul D., CDR, USN
MODROWSKI, Richard W., LCDR, USN	*WELTERLEN, Craig R., LCDR, USN
PUCCINI, Bruce A.J., LT, USN	*WHITE, Craig C.L., LCDR, USN
	WINSTED, Bradley Y., LT, USN

MECHANICAL ENGINEER

PURNOMO, Ignatius S., MAJ, Indonesian Army

THE NAVAL POSTGRADUATE SCHOOL

The Naval Postgraduate School had a modest beginning at the Naval Academy at Annapolis in 1909, at which time the first class of ten officers enrolled in the School of Marine Engineering. In 1912, the School was designated the Postgraduate Department of the Naval Academy, and the scope of its engineering curricula was broadened to include Ordnance, Naval Construction and Civil Engineering.

After a suspension of operations during World War I, the Postgraduate Department resumed operations in 1919; two years later it was officially designated the "Naval Postgraduate School." A further extension of its curricula and the growth of its enrollment took place in the years between the two World Wars.

In 1927, the General Line Course was started within the Postgraduate School to acquaint junior line officers with modern developments taking place in the Navy and to broaden their professional knowledge by means of integrated courses in naval science.

World War II caused an increase in enrollment in the Engineering curricula from about 125 to over 600 and a tremendous expansion of activity in contrast to the complete suspension of operations during World War I. After hostilities ceased in 1945, a program was initiated to relocate the Postgraduate School and improve its professional status. Between 1945 and 1948, legislation was passed establishing the School as a separate activity under its own Superintendent; creating the office of Academic Dean; granting the Superintendent the right to award Bachelor's, Master's and Doctor's degrees; authorizing the re-establishment at Monterey, California, and purchasing the Del Monte site. The move to Monterey was commenced in 1948 and completed in 1951.

In 1956, the Navy Management School was established as a component of the Postgraduate School. Its mission was to provide graduate education for Naval officers in the theories, philosophies and application of scientific methods of management specifically oriented to the Navy in order to advance efficiency and economy of operation afloat and ashore. In August 1960, the Management School curriculum was lengthened from a five to a ten-month course leading to a Master's degree for those who could meet the requirements for such a degree.

In 1958, the General Line School was redesignated as the General Line and Naval Science School and a Bachelor of Science curriculum was offered to meet the educational and career requirements of selected officers who did not have baccalaureate degrees. Further developments in the undergraduate program resulted in recognition of the need for a Bachelor of Arts curriculum, which was subsequently inaugurated in the General Line and Naval Science School in August 1961.

A major internal reorganization was approved by the Chief of Naval Personnel and became effective on 3 August 1962. The three component schools were consolidated into a single unified Postgraduate School, with academic operations under the direction of a Director of Programs (military) and a Dean of Programs (civilian). The reorganization in no way changed the curricula offered, but achieved unity of policy and gave emphasis to the educational programs required for the Navy.

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 hoods, and tassels of caps, the colors associated with the different subjects are as follows:

Agriculture	Maize	Library Science	Lemon
Arts, Letters, Humanities	White	Music	Pink
Business, Commerce	Drab	Pharmacy	Olive Green
Education	Light Blue	Philosophy	Dark Blue
Engineering	Orange	Physical Education	Sage Green
Forestry	Russet	Science	Golden Yellow
Home Economics	Maroon	Theology	Scarlet
Law	Purple	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	Bright Red	
University of Minnesota	Old Gold	Maroon
Yale University	Blue	
University of California	Gold	Yale Blue
University of Washington	Purple Above Gold	
University of Oregon	Lemon Yellow	Dark Green
New York University	Violet	
Stanford University	Cardinal	
Columbia University	Light Blue	White
University of Michigan	Maize	Blue
University of Texas	White Above Orange	Burnt Orange
Duke University	Royal Blue	White
Cornell University	Cardinal	Two White
Harvard University	Crimson	
Michigan State University	Green	White
Iowa State University	Gold Above Cardinal	
State University of Iowa	Old Gold	
Oregon State University	Burnt Orange	
Lewis and Clark College	Princeton Orange	Black, Orange
University of Denver	Cardinal	Gold

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

