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Naval Postgraduate School Graduation Exercises / Class of September 1979

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

GRADUATION EXERCISES

FRIDAY AFTERNOON

28 SEPTEMBER 1979

AT THREE O'CLOCK

Raf
V
422
F4
46
V.2

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
WILLIAM M. TOLLES
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."

Ref
V422
F4
U6
v. 2

the program

PROCESSIONAL

Professor ALFRED W.M. COOPER Grand Marshal
Professor JAMES M. FREMGEN Marshal
Professor ROBERT E. NEWTON Marshal
Lieutenant Colonel WALTER H. SKIERKOWSKI, U.S. Marine Corps ... Marshal

NATIONAL ANTHEM

INVOCATION

Lieutenant Commander FRANK D. MINTJAL, CHC, U.S. Navy

INTRODUCTION OF SPEAKER

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

ADDRESS TO GRADUATES

Vice Admiral CARLISLE A.H. TROST, U.S. Navy
Deputy Commander in Chief, U.S. Pacific Fleet

PRESENTATION OF AWARDS

Navy League of Monterey Award
United States Naval Institute Award
William Randolph Church Award
CNO Award for Excellence in Operations Research

PRESENTATION OF CANDIDATES

BY DEPARTMENT CHAIRMEN

ANNOUNCEMENT OF DEGREES

Rear Admiral TYLER F. DEDMAN, U.S. Navy
Provost JACK R. BORSTING

BENEDICTION

Lieutenant Commander FRANK D. MINTJAL, CHC, U.S. Navy

RECESSIONAL



platform party

FIRST ROW (left to right)

Lieutenant Commander Frank D. Mintjal
CHC, United States Navy

Captain Charles Townsend
National Oceanic and Atmospheric
Administration

Captain Edward F. Lewis
United States Coast Guard

Colonel George M. Edmondson, Jr.
United States Marine Corps

Provost Jack R. Borsting
Provost, Naval Postgraduate School

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

Vice Admiral Carlisle A.H. Trost, U.S. Navy
Deputy Commander in Chief, U.S. Pacific Fleet

Major General Philip R. Feir, U.S. Army
Commanding General, 7th Infantry Division

Mrs. Jackie Wilson
Secretary, Monterey Peninsula Council
of the Navy League

Mr. Clayton D. Jones
Naval Air Systems Command

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

SECOND ROW

Professor Eugene C. Haderlie
Department of Oceanography

Professor Karlheinz E. Woehler
Department of Physics and Chemistry

Professor Gordon R. Bradley
Department of Computer Science

Professor Carl R. Jones
Department of Administrative Sciences

Professor Gilbert T. Howard
Department of Operations Research

Professor Maximillian F. Platzer
Department of Aeronautics

Professor Paul J. Marto
Department of Mechanical Engineering

Professor Donald E. Kirk
Department of Electrical Engineering

Professor Edward P. Laurance
Department of National Security Affairs

awards

NAVY LEAGUE OF MONTEREY AWARD for ACADEMIC ACHIEVEMENT

Presented to that USN, USMC or USCG officer student who has made the greatest academic improvement while at the Naval Postgraduate School on the basis of such criteria as marks attained and the level of which the officer matriculated.

LIEUTENANT COMMANDER BENJAMIN R. SELLERS, U.S. NAVY

UNITED STATES NAVAL INSTITUTE AWARD

Presented 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 COMMANDER FREELAND H. CARDE, III, U.S. NAVY

WILLIAM RANDOLPH CHURCH AWARD

Presented annually to an officer student for outstanding performance in mathematics. The criteria for selection includes evidence of initiative, scholarly attitude and mathematical maturity.

LIEUTENANT HAROLD R. BISHOP, U.S. NAVY

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 the outstanding military officer.

LIEUTENANT HAROLD R. BISHOP, 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 THOMAS D.L. WALKER, U.S. NAVY

CHIEF OF NAVAL OPERATIONS COMMUNICATIONS AWARD

Presented to an officer student in either the Telecommunications System Management or Communications Engineering Programs who has attained an outstanding academic record and who exhibits those qualities of an outstanding military officer.

*COMMANDER HERBERT R. QUARLES, U.S. NAVY

CHIEF OF NAVAL OPERATIONS COMMUNICATIONS CERTIFICATE

Presented to that officer student in either the Telecommunications Systems Management or Communications Engineering Programs who is most deserving of special recognition based on academic improvement.

*LIEUTENANT COMMANDER JACK G. AIRLIE, U.S. NAVY

*Awarded in absentia

NAVAL POSTGRADUATE SCHOOL DEPARTMENT CHAIRMEN

Professor **GEORGE J. HALTINER**
Meteorology

Professor **DONALD E. KIRK**
Electrical Engineering

Professor **FRANK D. FAULKNER**
Mathematics (acting)

Professor **MICHAEL G. SOVEREIGN**
Operations Research

Professor **PATRICK J. PARKER**
National Security Affairs

Professor **MAXIMILIAN F. PLATZER**
Aeronautics

Professor **CHRISTOPHER N.K. MOOERS**
Oceanography

Professor **PAUL J. MARTO**
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 **JOEL R. SARTORIS**, U.S. Navy
Operations Research/Systems Analysis

Commander **GERALD L. DEVINS**, U.S. Navy
Aeronautical Engineering

Commander **ROBERT A. PERSELL, JR.**, U.S. Navy
Electronics and Communications

Commander **EDWARD J. MAHON**, U.S. Navy
Weapons Engineering/Antisubmarine Warfare

Commander **G. RICHARD GARRITSON**, U.S. Navy
Naval Engineering

Commander **LANNY A. YESKE**, U.S. Navy
Environmental Sciences

Commander **KENT A. LINK**, U.S. Navy
Administrative Sciences

Commander **MICHAEL C. ROTH**, U.S. Navy
Computer Technology

Commander **RICHARD J. SCHLAFF**, U.S. Navy
National Security Affairs/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

AL-SALEM, Fahad A., LTJG, Royal
Saudi Naval Forces

*NAIBORHU, Wesly O., CAPT,
Indonesian Air Force

IFTIKHAR, Nayyar, LT, Pakistan Navy

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

*METOCHIANAKIS, Michael, 1LT, Hellenic Air Force

BACHELOR OF SCIENCE WITH MAJOR IN AERONAUTICS

*HATJIANASTASIOU, K., 1LT, Hellenic Air Force

BACHELOR OF SCIENCE IN OPERATIONS RESEARCH

GAN, Gunadi, MAJ, Indonesian Navy

*TONGUC, Kemal, LT, Turkish
Navy

GERMANOS, George, LCDR,
Hellenic Navy



MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

FRICAS, John, MAJ, USA

*JAYJOCK, Stephen C., LT, USN

HERRICK, Richard C., CPT, USA

LABRECQUE, Terence P., LT, USN

ROSS, Edward W., MAJ, USA

LEE, Alice K.

*CULBERT, Thomas M., CAPT, USAF

McNULTY, Paul A., LCDR, USN

*GRECO, Barry J., MAJ, USAF

MILLER, Michael C., LT, USN

BECKER, John J., Jr., LCDR, USN

MOCINI, Vincent P., LT, USN

CARDE, Freeland H., III, LCDR, USN

PIERCE, Paul G., LCDR, USN

CURFS, Thomas P., LT, USN

SIMERAL, Robert L., LT, USN

*FLETCHER, Jerry J., LCDR, USN

SMITH, Luanne J., LT, USN

*HAZLETT, James A., LT, USN

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

BARBER, Arthur H., III, LT, USN
DAVIS, David E.
DeMAIN, William R., LT, USN
ROGERS, Matthew J., LT, USN

*SHEPPARD, Dennis D., LCDR, USN
*SIMCOE, Ronald B., LT, USN
*WILLIAMS, Robert H.
YOUNG, Roger A.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

BOWER, Michael J., LT, USN
BOYD, William K., Jr., LT, USN
CINAR, Mehmet Ali, LT, Turkish Navy
COMBS, Robert M., LCDR, USN
*HILL, James A., LT, USN
KOZOYED, Lawrence W., LCDR, USN

MILLER, William R., LCDR, USN
OZKAYNAK, Suleyman, LT, Turkish Navy
*WALKER, Thomas D.L., LT, USN
WALLER, Jack T., Jr.

MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

SNIDER, James R., CPT, USA
AMEEL, Frederick D., LCDR, USN
BEAKLEY, James E., LCDR, USN
BRENDMOEN, Jack V., LT, USN

BROWNSBERGER, Nicholas M., LT, USN
BURESH, Jon A., LT, USN
CAZENAVE, Frederick F., Jr., LCDR, USN

MASTER OF SCIENCE IN OPERATIONS RESEARCH

CIBUZAR, Paul F., CAPT, USMC
REYNOLDS, John Howard, CAPT, USMC
THOMEN, David S., CAPT, USMCR
SZYMCZAK, Robert Walter, LTC, USA
*HYLTON, Timothy W., LT, USCG
*ANGELOPOULOS, Gary J., LCDR, USN
BISHOP, Harold Ralph, LT, USN

CRAIG, Peter Allen, LT, USN
*DANBERG, Robert Benell, LCDR, USN
ERIKSEN, Jan Henrik, LCDR, Royal Norwegian Navy
GAN, Gunadi, MAJ, Indonesian Navy
GERMANOS, George, LCDR, Hellenic Navy
HATCHER, Douglas C., LCDR, USN
HEFKIN, Donald Clark, LCDR, USN

MASTER OF SCIENCE IN OPERATIONS RESEARCH (Continued)

LEGER, Detlef Erhard, MAJ, Federal German Army
MAYO, Robert Ernest, LCDR, USN
MC CLURE, Donald James, CAPT, Canadian Armed Forces
MURTHY, Tatiraju S., LCDR, Indian Navy
MYERS, Stephen Elliot, LT, USN
NELSON, Napoleon B., III, LCDR, USN

*PARKER, Jimmy Wayne, LCDR, USN
*SMITH, Robert Dale, LT, USN
SMOLER, Josef, MAJ, Israeli Army
*TAMIR, Amnon, MAJ, Israeli Air Force
*TONGUC, Kemal, LT, Turkish Navy
VON FABECK, Falk F., CAPT, Federal German Army

MASTER OF SCIENCE IN APPLIED MATHEMATICS

BISHOP, Harold R., LT, USN

MASTER OF SCIENCE IN MANAGEMENT

*CARPENTER, Albert W., CAPT, USMC
HIEB, Ross J., CAPT, USMC
LEE, Paul M., Jr., CAPT, USMC
*BROWN, Terry E., CPT, USA
BROKENIK, James A., LT, USCG
*FOWLER, Franklin T., LT, USCG
LANGHOLTZ, Harvey J., LT, USCG
*MILLER, Charles L., LT, USCG
*OLSEN, Robert C., LCDR, USCG
RAMSEY, David J., Jr., LT, USCG
WILLIS, Bradley J., LT, USCG
*ALLEN, Daniel W., Jr., LCDR, USN
*CORBETT, James T., LT, USN
EMERY, Lawrence W.
FUCILE, Eugene P., LCDR, USN

*GRANT, Charles W., LT, USN
*HARLOW, Louis F., LCDR, USN
*HOFFMAN, Lee D., LT, USN
HULAR, Richard P.
INGALLS, Edward G.
JONES, Samuel L., LT, USN
KENNEDY, Harvey L., LCDR, USN
KLINE, Jack C., LCDR, USN
KLINE, Richard W., LCDR, USN
LARSEN, Thomas A., LT, USN
LYNCH, John F.
PITTMAN, Glenn J., LT, USN
RICE, Stephen C., LT, USN
RIEGE, Duane J., LCDR, USN
ROBERTS, Roger W., LT, USN

MASTER OF SCIENCE IN MANAGEMENT (Continued)

SELLERS, Benjamin R., LCDR, USN TODD, Hamilton S., Jr., LT, USN
SELTZ, Roger H. VANDERSLICE, Wayne J., LCDR,
SULLIVAN, Thomas F. USN
SWEIKAR, Stanley J., Jr. WALTERS, Melville J., III, LCDR, USN
SWENEY, Robert L., LT, USN WOOTEN, Richard L.

**MASTER OF SCIENCE IN TELECOMMUNICATIONS
SYSTEMS MANAGEMENT**

HARTMAN, Richard S., Jr., LT, USCG

**MASTER OF SCIENCE IN COMPUTER SYSTEMS
MANAGEMENT**

GOMEZ, Arthur, CAPT, USMC HARRIS, Craig S., LCDR, USN
*HAMMOND, Rayford E., LCDR, USN MULCAHEY, Kevin E., LT, USN

MASTER OF SCIENCE IN COMPUTER SCIENCE

COLEMAN, Aaron R., CPT, USA *SMITH, Donald L., LCDR, USN
BUSH, Gary L., LT, USN TAMIR, Amnon, MAJ, Israeli Air
GORDER, Timothy Y., LT, USN Force

MASTER OF SCIENCE IN PHYSICS

JOHNSON, Christopher B., MAJ, USA

MASTER OF SCIENCE IN ENGINEERING ACOUSTICS

SPAULDING, Robert P., Jr., LT, USN

MASTER OF SCIENCE IN OCEANOGRAPHY

AMMANN, Clement J., Jr., LT, USN

**MASTER OF SCIENCE IN OCEANOGRAPHY
(HYDROGRAPHY)**

PICKRELL, Alan J., LCDR, NOAA LITTS, Steven E.
SCHNEBELE, Kurt J., LCDR, NOAA MURDOCK, John H.
SEIDEL, Dean R., LCDR, NOAA *VAN NORDEN, Maxim F.



ELECTRICAL ENGINEER

REGAN, Francis W., III, LT, USN

MECHANICAL ENGINEER

CINAR, Mehmet Ali, LT, Turkish Navy
OZKAYNAK, Suleyman, LT, Turkish Navy

AERONAUTICAL ENGINEER

BROWNSBERGER, Nicholas M., LT, USN

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.

