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# Naval Postgraduate School Graduation Exercises / Class of June 1997

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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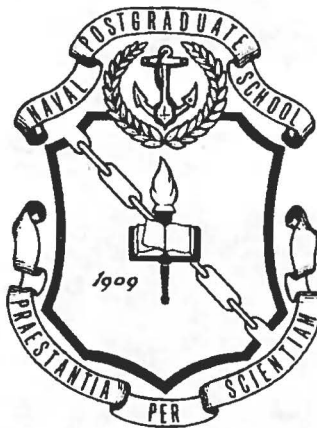
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# NAVAL POSTGRADUATE SCHOOL

REF  
V  
422  
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U6  
V.4  
JUNE  
1997



## Graduation Exercises

10:30 a.m  
Thursday  
19 June 1997



## **NAVAL POSTGRADUATE SCHOOL ADMINISTRATION**

**Superintendent  
RADM MARSHA J. EVANS, USN**

**Provost  
DR. RICHARD S. ELSTER**

**Dean of Students and Director of Programs  
CAPT JAMES J. MILLER, USN**

**Dean of Management and Security Studies  
DR. JAMES S. BLANDIN**

**Dean of Engineering and Computational Sciences  
DR. RUDY PANHOLZER**

**Dean of Operational and Applied Science  
DR. PETER PURDUE**

**Dean of Research  
DR. DAVID NETZER**

**Commanding Officer  
Naval Support Activity, Monterey Bay  
CAPT MARY JAYNE MEYER, USN**



**ADMIRAL J. PAUL REASON**  
**Commander In Chief**  
**U.S. Atlantic Fleet**

Admiral Paul Reason was born and reared in Washington, D.C. His naval service began after graduating from the U.S. Naval Academy with the Class of 1965.

Prior to being trained in nuclear propulsion engineering, he served as Operations Officer in the destroyer escort USS J.D. BLACKWOOD (DE 219). Upon completion of training, he was assigned duties in the nuclear powered guided missile cruiser USS TRUXTUN (CGN 35) and participated in the ship's first deployment to Southeast Asia in 1968. In 1970, he earned a Master's degree in the management of computer systems.

Joining the nuclear powered aircraft carrier USS ENTERPRISE (CVN 65) in 1971, he deployed twice to the Southeast Asia and Indian Ocean areas. After service as Combat Systems Officer, again in USS TRUXTUN, Admiral Reason became an assignment officer at the Bureau of Naval Personnel.

In late 1976, he was assigned as Naval Aide to the President of the United States. He served as aide to President Jimmy Carter until mid-1979. Subsequent duties included Executive Officer of USS MISSISSIPPI (CGN 40); Commanding Officer of USS COONTZ (DDG 40); and Commanding Officer of the nuclear powered guided missile cruiser USS BAINBRIDGE (CGN 25).

From 1986 through 1988, he was Commander, Naval Base Seattle, where he was responsible for all naval activities in Washington, Oregon, and Alaska. In mid 1988, Admiral Reason shifted to command of Cruiser-Destroyer Group One. Concurrently, he led Battle Group Romeo through operations in the Pacific and Indian Ocean regions and the Persian Gulf. Admiral Reason reported as Commander, Naval Surface Force, U.S. Atlantic Fleet, following selection to three-star rank. He served in that capacity until assigned as Deputy Chief of Naval Operations (Plans, Policy and Operations) in August 1994. Upon promotion to four-star rank, he assumed duties as Commander in Chief, U.S. Atlantic Fleet in December 1996.

Admiral Reason's awards include; the Distinguished Service Medal, Legion of Merit, Navy Commendation Medal, the Venezuelan LaMeddalla Naval Almirante Luis Brion Medal, and the Republic of Vietnam Honor Medal. He also wears the Navy Unit Commendation, Navy Meritorious Unit Commendation, Navy "E", National Defense Service Medal, Armed Forces Expeditionary Medal, Vietnam Service Medal, Sea Service Deployment Ribbon, Republic of Vietnam Meritorious Unit Citation, and the Republic of Vietnam Campaign Medal.

Admiral Reason and his wife, Dianne, live in Norfolk, Virginia. They have a daughter, Rebecca, and a son, Joseph.

**REAR ADMIRAL MARSHA JOHNSON EVANS**  
**Superintendent**  
**Naval Postgraduate School**



Native of Springfield, Illinois, Rear Admiral Marsha Johnson Evans graduated with high honors from Occidental College in June 1968. Two months later she was commissioned an ensign at Women's Officer School, Newport, Rhode Island. Early assignments included duty at the Defense Intelligence Agency, on the Commander, Fleet Air Western Pacific staff in Atsugi, Japan, and in the Office of the Chief of Naval Operations (OP-04). In 1973, she became the first woman Surface Assignments Officer in the Bureau of Naval Personnel. Concurrently, she served as Senior Navy Social Aide to the President of the United States.

Following selection as a Chief of Naval Operations Scholar in 1975, Rear Admiral Evans earned a Master's Degree in Law and Diplomacy at the Fletcher School of Law and Diplomacy, Tufts University. Subsequently, she served as the Middle East Policy Officer on the staff of the Commander in Chief, U.S. Naval Forces Europe. Selected as a White House Fellow in 1979, she served a one-year fellowship as Executive Secretary and Special Assistant to the Secretary of the Treasury. In early 1981 she became the Deputy Director of the President's Commission on White House Fellowships.

In 1982, Rear Admiral Evans was assigned as Executive Officer, Recruit Training Command, San Diego, and from 1984 to 1986 as Commanding Officer, Naval Technical Training Center, Treasure Island, San Francisco. She served the next two years as a Battalion Officer at the U.S. Naval Academy. During that assignment, she also chaired the Women Midshipmen Study Group, served on the Navy's 1987 Women's Study and taught classes in international relations.

In 1989, Rear Admiral Evans began a one-year assignment as Chief of Staff, Naval Base San Francisco. On June 15, 1990, she assumed command of Naval Station Treasure Island, San Francisco. In November 1991 she returned to the Naval Academy as Chief of Staff, an assignment that was curtailed in August 1992 when she became the Executive Director of the Standing Committee on Military and Civilian Women in the Department of the Navy. From June 1993 to July 1995, she served as the Commander of the Navy Recruiting Command. Rear Admiral Evans assumed her current duties as Superintendent, Naval Postgraduate School on 8 September 1995. While Superintendent of the Naval Postgraduate School, she also served for seven months as the interim director of the George C. Marshall European Center for Security Studies in Garmisch, Germany.

Rear Admiral Evans is a graduate of the Naval War College off-campus program and a 1989 graduate of the National War College. She is married to Gerard R. Evans, of Pensacola, Florida.

**DR. RICHARD S. ELSTER**  
**Provost**  
**Naval Postgraduate School**



Richard Elster was born on 3 December 1939. He attended the University of Minnesota in Minneapolis where he received the degrees of Bachelor of Arts, Master of Arts, and Doctor of Philosophy.

In January of 1969, he joined the faculty of the Naval Postgraduate School. His teaching focused on DoD manpower, personnel and training policies. From 1 July 1975 to 1 July 1978, he was on leave from the Naval Postgraduate School. During that period, he worked in the Office of the Assistant Secretary of Defense (Manpower and Reserve Affairs), and as Senior Scientific Advisor to the Deputy Chief of Naval Operations (Manpower)/Chief of Naval Personnel, Admiral James D. Watkins.

On 1 October 1979, he was promoted to professor in the Department of Administrative Sciences at the Naval Postgraduate School. In July of 1983, he became Chairman of the Department of Administrative Sciences.

During the period of 1984-1988, he served as Deputy Assistant Secretary of the Navy for Manpower. Additionally, he was Acting Assistant Secretary of the Navy (Manpower & Reserve Affairs) during the period 7 April - 28 June 1988.

In 1989, he filled the Chief of Naval Operation's manpower chair at the Naval Postgraduate School. During January-September 1990, he was Deputy Assistant Secretary of Defense for Resource Management and Support. He was named Dean of Instruction at the Naval Postgraduate School in September 1990 where he served in this role until June 1995. On July 1, 1995 he was named Provost/Academic Dean of the Naval Postgraduate School.

**PLATFORM PARTY**

**FIRST ROW (Left to Right)**

**Dr. Neil Rowe**  
Department of Computer Science

**Lieutenant J. Lynne Kennedy**  
**USNR CHC**  
Chaplain  
Naval Postgraduate School

**Colonel Daniel D. Devlin**  
**USA**  
Commandant/Installation Commander  
Defense Language Institute  
Foreign Language School  
Monterey

**Colonel Richard Klemmer**  
**USMC**  
Deputy Commander  
12th Marine Corps Reserve District  
San Bruno

**Captain Paul C. Ellner**  
**USCG**  
Chief, Aviation/Shore Facility Management  
Alameda

**Lieutenant Colonel Edward Rozdal**  
**USAF**  
Associate Dean of Europe II School  
Defense Language Institute  
Monterey

**Admiral J. Paul Reason**  
**USN**  
Commander in Chief  
U.S. Atlantic Fleet  
Norfolk, Virginia

**Rear Admiral Marsha J. Evans**  
**USN**  
Superintendent  
Naval Postgraduate School

**Dr. Richard S. Elster**  
Provost  
Naval Postgraduate School

**Mr. Don Jordan**  
Mayor of the City of Seaside

**Mrs. Nan DeMent**  
President, Monterey Peninsula Council  
Navy League

**Abraham Sheingold**  
Distinguished Professor  
Board of Trustees  
Naval Postgraduate School Foundation

**Captain James J. Miller**  
**USN**  
Dean of Students and Director of Programs  
Naval Postgraduate School

**SECOND ROW (Left to Right)**

**Dr. Herschel H. Loomis, Jr.**  
Department of Electrical and Computer  
Engineering

**Dr. Rick Rosenthal**  
Department of Operations Research

**Dr. Anthony Atchley**  
Department of Physics

**Dr. Chuck Wash**  
Department of Meteorology

**Dr. Terry R. McNelley**  
Department of Mechanical Engineering

**Dr. Daniel Collins**  
Department of Aeronautical and Astronautical  
Engineering

**Captain Frank Petho, USN**  
Department of National Security Affairs

**Dr. Robert Bourke**  
Department of Oceanography

**Dr. Reuben Harris**  
Department of Systems Management

**Dr. Walter Max Woods**  
Department of Mathematics

**Dr. Dan Boger**  
Joint C3 Academic Group

**THURSDAY - JUNE 19, 1997  
PROGRAM**

Processional ..... The Marshalls

Professor Alfred Cooper ..... Marshall

Professor David Canright ..... Marshall

Professor James M. Fremgen ..... Marshall

Lieutenant Colonel Tim Phillips ..... Marshall

Invocation\* ..... Lieutenant J. Lynne Kennedy

Introduction of Speaker ..... Rear Admiral Marsha J. Evans, Superintendent

Address to Graduates ..... Admiral J. Paul Reason  
Commander in Chief, U.S. Atlantic Fleet

Presentation of Awards ..... Provost

Presentation of Candidates ..... Department Chairman

Announcement of Degrees ..... Provost

Benediction\* ..... Lieutenant J. Lynne Kennedy

**Processional**

**Notes: The Superintendent cordially invites graduates, faculty, and guests to a reception in honor of the graduates in the Barbara McNitt Ballroom at Herrmann Hall immediately following the ceremony.**

**\*The audience should remain seated except for the events marked with an asterisk.**

**The audience is requested to hold their applause until the last graduate has crossed the stage.**

## CURRICULAR OFFICERS AND ACADEMIC ASSOCIATES

### Systems Management

**Curricular Officer - CDR William Platt, USN**

**Assistant Curricular Officers - CDR Carlos Chavez, USN  
LT LuAnn Corrado, USN**

### Academic Associates

Transportation Logistics Management - Professor Don Eaton  
Transportation Management - Professor Don Eaton  
Acquisition and Contract Management - Professor David Lamm  
Systems Acquisition Management - Professor David Lamm  
Defense Systems Analysis (DoD Services - Non Navy) - Professor James Suchan  
Defense Systems Management (International) - Professor Roger Evered  
Systems Inventory Management - Professor Don Eaton  
Resource Planning and Mgmt for International Defense - Professor Roger Evered  
Material Logistics Support Management - Professor Don Eaton  
Financial Management - Professor Douglas Moses  
Manpower Systems Analysis - Professor Stephen Mehay  
Information Technology Management - Professor Carl R. Jones

### Aerospace Engineering

**Curricular Officer - CDR Bob Klocek, USN**

### Academic Associates

Aeronautical Engineering - Professor Gerald Lindsey  
Aeronautical Engineering Avionics - Professor Gerald Lindsey

### Meteorology and Physical Oceanography

**Curricular Officer - CDR R. Glenn Handlers, USN**

### Academic Associates

Meteorology - Professor Roger T. Williams  
Oceanography - Professor Mary Batteen  
Meteorology and Physical Oceanography - Professor Williams/Professor Batteen  
Operational Oceanography - Professor C. S. Chiu

### Undersea/Space/Information Warfare

**Curricular Officer - CDR Robert J. Young, USN**

### Academic Associates

Undersea Warfare - Professor James Sanders  
Electronic Warfare - Professor David Jenn  
Information Warfare - Professor Carl R. Jones  
Space Systems Operations - Professor Don Wadsworth  
Space Systems Engineering - Professor Oscar Biblarz

### Combat Systems Sciences and Technology

**Curricular Officer - CDR Michael A. Witt, USN**

### Academic Associate

Combat Systems - Professor James Sanders

### Joint Command, Control, Communications, Computers & Intelligence (C4I) Systems

**Curricular Officer - Lt Col Ernest K. Beran, USAF**

### Academic Associates

Joint Command, Control, Communications, Computers, and Intelligence (C4I) Systems - Professor Mike Sovereign  
Special Operations/Low Intensity Conflict (SOLIC) -  
Professor Gordon McCormick  
Scientific and Technical Intelligence - Professor Dan C. Boger (Acting)

### Electronics and Computer Programs

**Curricular Officer - CDR Michael F. Dulke, USN**

**Assistant Curricular Officer - LT Maryanne Heinbaugh, USN**

### Academic Associates

International - Professor Rama Janaswamy  
Non-Navy - Professor Ron J. Pieper  
Navy - Professor R. Clark Robertson  
Computer Science - Professor Yutaka Kanayama  
MOVES - Professor Mike Zyda

### National Security Affairs and Intelligence

**Curricular Officer - CDR Mark A. Machin, USN**

### Academic Associates

Area Studies - Ambassador Rodney Kennedy Minott  
Strategic Planning and International Organizations & Negotiations -  
Professor David Yost  
Intelligence - CAPT Frank Kelly, USN  
Regional Planning & Mgmt for International Defense (REPMID) -  
Professor Roger Evered

### Naval Mechanical Engineering

**Curricular Officer - CDR Robert Klocek, USN**

### Academic Associate

Naval Engineering - Professor Young Shin

### Operations Research

**Curricular Officer - CDR Mark Machin, USN**

### Academic Associates

Operations Analysis - Professor Glenn Lindsay  
Operational Logistics - Professor David Schradly  
Advanced Science (Applied Math) - Professor Chris Frenzen

**Director, International Programs - Col H. Gary Roser, USMC (Ret)**

**Director, Civilian Institutions Programs - LT Lesa Kirsch, USN**



**JUNE 1997  
GRADUATION AWARDS**

**Monterey Council Navy League Award for Highest Academic Achievement -  
Capt Mary L. Leonard, USMC**

Presented quarterly to a graduating USN, USMC, USCG, or NOAA student who has maintained an outstanding academic record as exhibited by academic achievement, thesis research, motivation, and community involvement.

**Naval Postgraduate School Superior Service Award -  
LT Frederick M. France, Jr., USN**

Presented to a graduating student who has demonstrated outstanding dedication to service while at NPS. The award is presented on the basis of superior contributions to the student body, professional community, and local Monterey area.

**Naval Postgraduate School Outstanding Academic Achievement Award for  
Department of Defense Students - MAJ Jeffrey S. Wiltse, USA**

Presented quarterly to a graduating USA, USAF, or Department of Defense civilian who has maintained an outstanding academic record as exhibited by academic achievement, thesis research, motivation, and community involvement.

**Naval Postgraduate School Outstanding Academic Achievement Award for  
International Students - LCDR Natanael Ruiz Fontes, Brazilian Navy**

Presented quarterly to a graduating military or civilian non-U.S. citizen student who has exhibited outstanding academic achievement, conducted notable thesis research maintained motivation and a serious interest in the community, and who has interacted well with other students in the interest of international alliance.

**Warren Randolph Church Award - LT Gerald M. Miranda, USN**

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

**Armed Forces Communications and Electronics Association Award -  
LT James W. Scrofani, USN and CPT Heidi L. Gebhardt, USA**

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

**Admiral William Adger Moffett Award (Aeronautics) -  
MAJ Vincent M. Tobin, USA**

Presented annually to an officer student in the Aeronautical Engineering program on the basis of academic excellence, including thesis, and career potential.

**Space and Naval Warfare Systems Command Award in Electronic Systems  
Engineering - LT Michael W. Schimpf, USN**

Presented quarterly to a graduating student for distinguished academic achievement in the advanced Electronic Systems Engineering program.

**Naval Sea Systems Command Award in Combat Systems -  
LCDR Michael B. Chase, USN**

Presented in recognition of distinguished scholastic achievement in Combat Systems Engineering. Selection is based on academic achievement, research excellence, and leadership potential.

**Naval Sea Systems Command Award in Naval/Mechanical Engineering -  
LCDR Steven A. Parks, USN**

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

**Oceanographer of the Navy Air-Ocean Science Award -  
★ LCDR John H. Powell, USN**

Awarded annually to an Air-Ocean Sciences graduate with outstanding academic performance and exhibition of those qualities indicative of an outstanding military officer.

**Rear Admiral Grace Murray Hopper Computer Award -  
Capt Jesse C. Benton, USMC**

Presented in recognition of excellence in Computer Science to the outstanding graduate in Computer Science, who has demonstrated outstanding academic performance, thesis quality and leadership ability.

**Rear Admiral Thomas R. McClellan Award for Academic Excellence in Systems  
Management - ★ LCDR Clay Tettlebach, USN**

Presented to a graduate of Systems Management based upon academic performance, professional commitment, and leadership potential.

**Naval Supply Systems Command Award for Academic Excellence in Systems  
Management - LCDR Scott Cohen, USN**

Presented semiannually to an outstanding U.S. Naval Supply Corps officer in Systems Management at the Naval Postgraduate School. The award is made on the basis of academic achievement, research excellence, contribution to the professional and civilian community and faculty recommendations.

**Department of the Navy Award for Academic Excellence in Financial  
Management - LCDR Robert A. Hunt, USN**

The award is presented semiannually to a Financial Management student who demonstrates overall academic performance, academic excellence in financial management courses, high leadership potential, future ability to contribute to professional, academic and public forums while meeting the highest standards of stewardship of the National Trust and thesis excellence.

**Systems Management Faculty Award for Excellence in Management -  
LT Matthew Reardon, USN and LCDR Scott Cohen, USN**

Presented semiannually to a student in any of the Systems Management curricula. The award is based on exceptional academic ability and is presented only when the caliber of potential nominees is considered high enough to make a presentation of award.

**Chief of Naval Operations Award for Academic Excellence in Manpower Systems Analysis - LT Darlene R. Bennett, USN and LT Matthew G. Reardon, USN**

Presented annually to an outstanding U.S. Naval Officer student or OP-01 sponsored civilian in the Manpower Systems Analysis curriculum. The award is based on an outstanding academic record, thesis quality and leadership ability.

**Conrad Scholar Award for Distinguished Academic Achievement in Financial Management - CDR James L. Gosnell, USN, ★LT Gary W. Southerland, USN, LCDR Robert A. Hunt, USN, and LT John P. Eckardt, USN**

Presented semi-annually to an outstanding Unrestricted Line (URL) officer in the Financial Management community who has demonstrated academic excellence, presented a financial management essay for publication, and exhibited the potential for outstanding leadership while attending the Naval Postgraduate School.

**United States Naval Institute Award - LCDR Eric A. Vanhove, USN**

Presented to an outstanding graduate in the National Security Affairs curricula whose thesis is judged to be of the most importance to the U.S. Navy and meets the highest standards of excellence.

**Joint Chiefs of Staff Command, Control and Communications Award for Academic Achievement - Capt Robert D. Morrill, USAF**

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

**Space Systems Engineering Award for Academic Excellence - LT Douglas C. Eskins, USN**

Presented annually at the June graduation to an outstanding Space Systems Engineering student. The award is made based on grade point average, thesis work, curricular and extra-curricular activities.

**Astronaut Michael J. Smith, CAPT, USN, Astronautics Award - LT Douglas C. Eskins, USN**

Presented annually to an outstanding graduate of the Space Systems Engineering or Space Systems Operations curricula. The award is made on the basis of the student's academic excellence, including thesis, and career potential.

**Army Acquisition Corps Award for Scholastic Achievement - CPT Vincent M. Tobin, USA, and CPT Darrin Rodeschin, USA**

Presented to the Graduating US Army Acquisition student who has exhibited outstanding academic excellence through academic achievement, thesis research, and leadership potential.

**FACULTY AWARD**

**Rear Admiral John Jay Schieffelin Award for Excellence in Teaching - Associate Professor David R. Henderson, Systems Management Department**

Presented annually to recognize faculty members, who, through wide consensus, excel as teachers. This consensus is ascertained through a ballot polling of students and graduates.

★ - Denotes students who are presented in absentia.

## THE GRADUATES

**DOCTOR OF PHILOSOPHY IN ELECTRICAL ENGINEERING**  
★Mr. Frank Kragh, Naval Postgraduate School

**DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH**  
LTC Jeffrey Alan Appleget, USA  
Maj Steven F. Baker, USAF

**DOCTOR OF PHILOSOPHY IN APPLIED PHYSICS**  
LCDR Daphne Kapolka, USN

**DOCTOR OF PHILOSOPHY IN ENGINEERING ACOUSTICS**  
LCDR Amy Ruth Smith, USN

**DOCTOR OF PHILOSOPHY IN PHYSICAL OCEANOGRAPHY**  
LCDR Antonio Fernando Garcez Faria, Brazilian Navy  
★LCDR John M. Steger, NOAA  
Ms. Robin Teirud Tokmakian, Oceanography Department

**ELECTRICAL ENGINEER**  
LT Frederick M. France, Jr., USN

**MECHANICAL ENGINEER**  
LT Dennis Earl Florence, USN  
LCDR Steven Alexander Parks, USN  
LT Gary W. Sweany, USN

**AERONAUTICAL AND ASTRONAUTICAL ENGINEER**  
LT Keith Albert Beals, USN  
LT Brigitte Horner, USN

**MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS**  
CPT Tony Carr, USA  
MAJ i.G. Thomas Falkenberg, German Army (With Distinction)  
COL Carl Haselbach, Swiss Army (With Distinction)  
CPT Timothy J. Marshall, USA  
MAJ Jeffrey S. Wiltse, USA (With Distinction)  
LCDR James D. Alger II, USN  
LT Robert B. Chadwick II, USN  
LT Michael R. DeBenedetti, USN  
LT Rudy L. Hightower II, USN  
LT Douglas P. Horner, USN  
LT Eric R. Jones, USN

★LT Patrick J. Paterson, USN  
LT Timothy Funston Sparks, USN  
LT Todd L. Tinsley, USN  
LCDR Eric A. Vanhove, USN  
Maj Richard G. Hammond, USMC  
Maj Rainer Moskopp, German Air Force  
Capt John Kevin Ryan, USAF  
Ms Gina Ann Marchi, Defense Manpower Data Center  
Mr. Thomas E. Stewart, National Security Agency

**MASTER OF SCIENCE IN ELECTRICAL ENGINEERING**  
LT Michael G. Badorf, USN (With Distinction)  
LTJG Hakkı Çelebioğlu, Turkish Navy  
LCDR Jeffrey G. Conrad, Canadian Navy  
LT Douglas Carl Eskins, USN  
LCDR Natanael Ruiz Fontes, Brazilian Navy (With Distinction)  
LT Frederick M. France, USN  
LT Ronald J. Hanson, USN  
LT Ezra J. Ledbetter Jr., USN  
LT William A. Lintz, USN  
LT Michael W. Schimpf, USN (With Distinction)  
LT James W. Scrofani, USN (With Distinction)  
Capt Thomas L. Langlois, USMC  
Maj Harry G. Oldland III, USMC  
Capt Marcus S. Stefanou, USMC  
LCDR Gary J. Smilowitz, USN  
Maj Daniel J. Wawrzyniak, Jr., USMC  
Mr. Martin J. Welch, Jr., Edwards Air Force Base

**MASTER OF SCIENCE IN MECHANICAL ENGINEERING**  
LT Gregg William Baumann, USN  
LT Dennis Earl Florence, USN  
LCDR Steven Alexander Parks, USN (With Distinction)  
LT Gary W. Sweany, USN (With Distinction)  
LT Scott W. Waltermire, USN

**MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING**  
★MAJ Douglas H. Rombough, USA  
★LT Timothy H. Baker, USN  
★LT Douglas F. Desrochers, USN  
★LT James R. Eckloff, USN  
★LT Gerald L. Elliott II, USN  
LCDR Brian M. Flachsbar, USN  
LCDR Shane G. Gahagan, USN

LCDR Stephen Joseph Pollard, USN  
LT Vikram Sardana, USN  
★LT Dave Swenson, USN  
MAJ Vincent M. Tobin, USA (With Distinction)  
Mr. Darren V. Grove, NAVAIR

**MASTER OF SCIENCE IN ASTRONAUTICAL ENGINEERING**

LT Keith Albert Beals, USN  
LT George D. Beavers, USN  
LT Jeffrey T. Elder, USN (With Distinction)  
LT Brigitte Horner, USN  
LT Joseph P. Reason, Jr., USN

**MASTER OF SCIENCE IN METEOROLOGY AND PHYSICAL OCEANOGRAPHY**

LT Christopher John Arends, USN  
LCDR Brian Bentley Brown, USN (With Distinction)  
LT Eric James Buch, USN  
LCDR Daniel E. Harrison, USN  
LT R. Scott Stevens, USN

**MASTER OF SCIENCE IN PHYSICAL OCEANOGRAPHY**

LEUT James Andrew Crouch, Royal Australian Navy  
LCDR Philip W. Vance, USN

**MASTER OF SCIENCE IN MANAGEMENT**

CPT Matthew H. Ambrose, USA  
CPT John P. Chadbourne, USA  
CPT Joseph K. Pope, USA  
MAJ Andrew R. Ramsey, USA  
CPT Darrin H. Rodeschin, USA (With Distinction)  
CPT Leon N. Thurgood, USA (With Distinction)  
CPT Troy E. Trulock, USA  
MAJ Michael E. Williamson, USA  
LT Daniel S. Alexander, USN  
LT Robert P. Allen, USN  
LCDR James L. Autrey, USN  
LCDR Stephen P. Banus, USN  
LT Darlene R. Bennett, USN (With Distinction)  
LCDR Scott A. Cohen, USN (With Distinction)  
★LT Timothy W. Colyer, USN  
LT Brian T. Drapp, USN  
LT John P. Eckardt, USN (With Distinction)  
CDR Brian A. Forsyth, USN  
CDR James L. Gosnell, USN (With Distinction)

LCDR Paul W. Hagen, USN  
LCDR Robert A. Hunt, USN (With Distinction)  
LT Leonard D. Laforteza, USN  
LCDR Richard W. Loan, USN  
LCDR Drew K. Mullin, USN  
LCDR Patricia Munoz, USN  
LCDR Joseph A. Murach, USN  
LCDR Patrick J. O'Shea, USN  
LT Hui K. Pak, USN  
LT Fred Pyle, USN

LT Matthew G. Reardon, USN (With Distinction)

★LCDR Edward M. Shine, USN  
★LT Gary W. Southerland, USN  
LCDR Mark E. St. Moritz, USN  
LCDR David R. Sutton, USN  
LT Robert J. Ware, USN  
LCDR P. Scott White, USN  
Capt Michael J. Atcheson, USMC  
Capt Gary R. Zegley, USMC

**MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT**

Maj Arie Agami, Israeli Air Force  
LT Ernest B. Braz, USN  
LT John A. Watkins, USN  
Capt Elizabeth S. Birch, USMC  
Maj Lloyd J. Hamashin, USMC  
LCDR Gregory C. Busch, USCG (With Distinction)

**MASTER OF SCIENCE IN RESOURCE PLANNING AND MANAGEMENT**

LtCol Abdullah Jamil Saif Al-Quraini, Royal Army of Oman  
COL Diego A. Gantiva Arias, Colombian Army  
LTC András István Kucsma, Hungarian Defense Forces  
LtCol Levi Mayihlome, Zimbabwe National Army  
CDR Ismael Idrobo Bonilla, Colombian Navy  
LCDR Marco Antonio Palacios Luna, El Salvador Navy  
LCDR José Jimenéz Mejía, Colombian Navy

**MASTER OF SCIENCE IN OPERATIONS RESEARCH**

CPT Neil E. Fitzpatrick, USA  
CPT Larry R. Larimer, USA  
CPT Stanley J. Olenginski, USA  
CPT Gerald M. Pearman, USA  
CPT Alan Seise, USA  
LCDR Anne Burke Hone, USN

**MASTER OF SCIENCE IN COMPUTER SCIENCE**

CPT Michael J. Lemanski, USA  
★CPT Anthony E. Leonard, USA  
CPT Jeffrey A. May, USA  
CPT Daniel S. Rusin, USA  
Capt Jesse Benton, USMC (With Distinction)

**MASTER OF SCIENCE IN APPLIED MATHEMATICS**

CPT Loren G. Eggen, USA  
CPT Nelson L. Emmons, USA  
LT Douglas P. Horner, USN  
LT Gerald N. Miranda, Jr., USN (With Distinction)  
LT Todd L. Tinsley, USN  
CAPT Mary L.. Leonardi, USMC (With Distinction)

**MASTER OF SCIENCE IN ENGINEERING SCIENCE  
(ELECTRICAL ENGINEERING)**

LT Bruce Andrew Dickey, USN  
LT Thomas H. Newman, USN

**MASTER OF SCIENCE IN APPLIED PHYSICS**

CAPT Mark Anthony Lamczyk, USMC  
LCDR Michael B. Chase, USN  
LT Jeffrey T. Elder, USN (With Distinction)  
LT Christopher David Holmes, USN  
LT Doreen Margaret Jones, USN  
LCDR Suzanne L. Kruppa, USN  
LT Louis Timothy Unrein, USN (With Distinction)

**MASTER OF SCIENCE IN PHYSICS**

LT Rick A. Restivo, USN  
LCDR Daniel J. Richardson, USN

**MASTER OF SCIENCE IN ENGINEERING ACOUSTICS**

LCDR Natanael Ruiz Fontes, Brazilian Navy (With Distinction)  
LCDR Choe, Seok Yun, Korean Navy

**MASTER OF SCIENCE IN SYSTEMS ENGINEERING**

2nd LT Narongchai Nimitbunanan, Royal Thai Air Force

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

CPT Heidi L. Gebhardt, USA  
MAJ Mark A. Huron, USA  
LCDR James F. Drake, USN  
LCDR Richard E. Stocking, USN  
Maj Marlon F. Brown, USMC  
Capt James J. Kelley III, USMC  
Capt Robert D. Morrill, USAF (With Distinction)

**MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY  
(SCIENTIFIC AND TECHNICAL INTELLIGENCE)**

LT Won H. Kim, USN  
LT Robert W. Kraft, USN  
LT Stephen D. Scotty, USN

★ - Denotes students who are presented in absentia.

**JUNE 1997  
THESIS ADVISORS**

\*Assoc Prof Conald Abenheim  
\*Sen Lecturer Richard W. Adler  
Prof Brij Agrawal  
Prof Terry Afriland  
Assoc Prof Robert Armstead  
Asst Prof Robert W. Ashton  
\*Prof Anthony Atchley  
\*Prof Robert Ball  
\*Assoc Prof Mary L. Batteen  
Prof Oscar Bblarz  
\*Prof Dan Boger  
\*Assoc Prof Carlos Borges  
\*Prof Robert H. Bourke  
William Bowman  
Assoc Prof Jan Breemer  
Vstg Asst Prof David G. Brown  
Sen Lecturer Claude A. Buss  
\*Assistant Professor Mary  
P. Callahan  
Assoc Prof Charles Calvano  
\*Asst Prof John Clezki  
Assoc Prof David Cleary  
Prof Curtis A. Collins  
\*Prof Daniel Collins  
Prof William Colson  
Sen Lecturer Alice Crawford  
\*Assoc Prof Roberto Cristi  
Prof Kenneth Davidson  
Asst Prof Sandra M. Desbrow  
Prof Richard Doyle  
RADM Don Eaton, USN (Ret)  
Assoc Prof Mark J.  
Eitelberg  
Prof Kenneth Euske  
Prof Roger Evered  
Asst Prof Paul Fields  
Assoc Prof Douglas J. Fouts  
Vstg Assoc Prof Vincente  
Garcia  
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Dist Prof Donald P. Gaver  
Asst Prof Ashok Gopinath  
\*Assoc Prof Joshua Gordis  
Vstg Asst Prof Kevin R. Gue  
Sen Lecturer William Haga  
LCDR Richard Harkins, USN  
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Vstg Assoc Prof Greg  
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Asst Prof Susan Hocevar  
Senior Lecturer Wayne P.  
Hughes  
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\*Asst Prof Isaac Kaminer  
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\*Sen Lecturer Fredric Levien  
Lecturer Cynthia Levy  
Prof Shu Liao  
Prof Herschel Loomis, Jr.  
\*Prof Robert E. Looney  
Lecturer Gordon Louvau  
Maj Nelson Ludlow, USAF  
Prof Luqi  
Assoc Prof G. M. Lundy  
Lecturer William Maler  
Sen Lecturer Bard Manager  
Adj Rsch Assoc Marty  
McCaffrey  
\*Prof Terry McNeley  
Prof Steve Mehay  
Lecturer Janice M. Menker  
\*Assoc Prof Sherif Michael  
\*Sen Lecturer Rodney K. Minott  
\*Assoc Prof Paul H. Moose  
Assoc Prof Dan Moran  
Prof Michael A. Morgan  
Assoc Prof Douglas Moses  
\*Assoc Prof Maria Moyano/  
Ramussen  
Sen Lecturer John E. Mutty  
Prof David Netzer  
Assoc Prof Wendell Nuss  
Assoc Prof Richard Olsen  
Assoc Prof John Osmundson  
Assoc Prof Phillip E. Pace

Prof Sam H. Parry  
\*Lecturer Bert Patenaude  
Prof Rudolph Panholzer  
Prof Max Platzer  
Rsch Asst Prof Gary Porter  
Assoc Prof Craig Rasmussen  
Prof Nancy Roberts  
Asst Prof Glenn Robinson  
Prof Richard E. Rosenthal  
Asst Prof Michael Ross  
CAPT James Scaramozzino,  
USN  
Prof Gordon Schacher  
Asst Prof Kevin Smith  
Asst Prof Suresh Sridhar  
Assoc Prof Mark Stone  
Assoc Prof James Suchan  
Assoc Prof Katchan Terasawa  
\*Prof Charles Therrien  
Prof Edward B. Thornton  
Assoc Prof Misha Tsyppin  
\*Prof Murali Tummala  
Sen Lecturer Donald  
Wadsworth  
Assoc Prof Donald Walters  
Prof Carlyle Wash  
Prof Alan R. Washburn  
Asst Prof Todd Weatherford  
Prof Maurice Weir  
Assoc Prof Lyn R. Whitaker  
Res Prof James Wilson  
Assoc Prof Jim J. Wirtz  
Assoc Prof Kevin Wood  
LTC Mark Youngren, USA  
Assoc Prof Xiaoping Yun

(\* Denotes Advised multiple  
Thesis

ne cap and gown and colorful hood so prominent in commencement ceremonies  
semble, to some extent, articles of dress worn by church and university dignitaries in the  
Idle 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  
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, edging of hoods,  
and tassels of caps, the colors associated with the different subjects are as follows:

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

**UNIVERSITY GRANTING DEGREE**

**LINING**

**CHEVRON**

Stanford University	Cardinal	
Purdue University	Black	
University of Kansas	Purple	Gold
University of California	Gold	White
University of Michigan	Maize	Yale Blue
University of Southern California	Gold	Blue
University of Munich, W. Germany	White	Cardinal
Columbia University	Light Blue	Moonglow/White
Duke University	Royal Blue	White
Harvard University	Crimson	White
Yale University	Blue	
University of Denver	Cardinal	Gold

## THE NAVAL POSTGRADUATE SCHOOL

The Naval Postgraduate School opened in Annapolis in 1909 and transferred to the Monterey Peninsula in 1952. Since its beginning, the School has conferred over 22,000 degrees. The typical student is an unrestricted line U.S. Naval Officer who has completed an operational tour. Students are engaged in intensive studies leading to a master's degree in one of 46 different curricula split between 10 academic departments and 4 academic groups. Each curriculum is tailored to provide the academic requirements for an accredited advanced degree and meet the additional educational skill requirements necessary for subsequent assignments. Officers are obliged to remain in service for about four years after they complete their schooling.

Students arrive every quarter, with the heaviest influx entering in January and July. Of the approximately 1500 students now enrolled, about 75 percent are in the United States Navy and Marine Corps, 15 percent are from other United States services, and the remaining 10 percent are from allied countries.

Many of the 350 professors at the School are internationally recognized in their respective fields. In order to keep abreast in their areas of expertise, faculty members conduct research beneficial to many governmental agencies. Over 27 million dollars of research is conducted or administered annually at the School.

The Superintendent, RADM Marsha J. Evans, with the assistance of Provost Richard S. Elster, guides the School in its endeavors. There is also a civilian Dean of Management and Security Affairs, Dean of Engineering and Computational Sciences, Dean of Operational and Applied Science, Dean of Research, and a U.S. Navy captain who serves as the Dean of Students/Director of Programs.

Guests are invited to tour the school grounds and to visit historic Herrmann Hall.

