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# Naval Postgraduate School Graduation Exercises / Class of June 1994

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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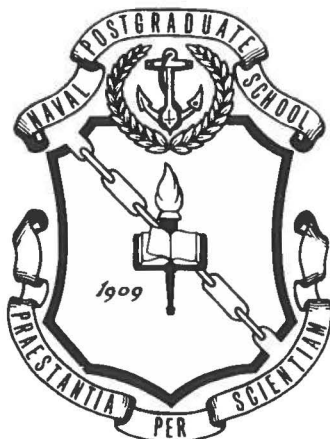


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# NAVAL POSTGRADUATE SCHOOL



## GRADUATION EXERCISES

10:30 A.M.  
THURSDAY, 16 JUNE  
1994



**NAVAL POSTGRADUATE SCHOOL  
ADMINISTRATION**

**Superintendent  
RADM THOMAS A. MERCER, USN**

**Provost  
DR. HARRISON SHULL**

**Dean of Students and Director of Programs  
CAPT GREGORY A. BUSHNELL, USN**

**Dean of Faculty  
DR. GORDON E. SCHACHER**

**Dean of Computer and Information Services  
DR. HARRISON SHULL, ACTING**

**Dean of Instruction  
DR. RICHARD S. ELSTER**

**Dean of Research  
DR. PAUL MARTO**

**Director of Military Operations  
CAPT ALBERT J. BEGBIE, USN**



**REAR ADMIRAL THOMAS A. MERCER**  
**Superintendent**  
**Naval Postgraduate School**

Rear Admiral Mercer graduated with distinction from the U.S. Naval Academy in 1962. He was designated as a Naval Aviator in February 1964. After A-4C training, he reported to VA-172 for a three year tour which included two Mediterranean cruises and one Southeast Asia combat deployment aboard USS FRANKLIN D. ROOSEVELT (CVA 42). He then attended the Naval Postgraduate School at Monterey, California and was awarded a Master of Science Degree in Aeronautical Engineering in 1969.

After A-7E training, he reported to VA-195 where he made two combat deployments to Southeast Asia aboard USS KITTY HAWK (CVA 63). Following a shore tour as the Light Attack Placement Officer at the Bureau of Naval Personnel, he joined VA-82 as Executive Officer in July 1975. He assumed command of VA-82 in November 1976 while embarked aboard the USS NIMITZ during her first Mediterranean deployment.

In July 1979 he was assigned as the Executive Officer of the USS Enterprise (CVN 65) after completing naval nuclear power training. He assumed command of USS GUADALCANAL (LPH 7) in September 1981 and then command of USS CARL VINSON (CVN 70) in July 1983 as her second commanding officer. While commanding CARL VINSON, he completed two WESTPAC deployments. In March 1986, he detached from USS CARL VINSON and was promoted to Rear Admiral. He was assigned as Deputy Director for Command, Control, and Communications (J-6), in the organization of the Joint Chiefs of Staff and subsequently became the Vice Director of Operational Plans and Interoperability (J-7 JCS). He assumed command of Carrier Group SEVEN in June 1988 and flew his flag as commander of the Nimitz, Midway, and Ranger battle groups. He assumed the duties of CINCPACREP Philippines and Commander, U.S. Naval Forces, Philippines in July 1990 and remained in command through the Subic Facility disestablishment on 24 November 1992. Rear Admiral Mercer was assigned as the Superintendent, Naval Postgraduate School in January, 1993.

Rear Admiral Mercer's awards include the Defense Distinguished Service Medal, Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit (two awards), Distinguished Flying Cross (three awards), four individual Air Medals, 25 Strike Flight Air Medals (255 Vietnam Missions), and six Navy Commendation Medals. He has logged over 3,500 hours in the A-4C and A-7E aircraft and has made over 970 carrier landings.

Rear Admiral Mercer is the son of Captain and Mrs. Willoughby Mercer, USN (ret). He and his wife, Becky, reside at the Naval Postgraduate School, Monterey, California. Tom, a SH-60B pilot, is currently at Test Pilot School in Patuxent River. Their son Bill, is a surface warfare officer assigned aboard USS BELKNAP (CG-26).



**VICE ADMIRAL DAVID B. ROBINSON**  
Commander, Naval Surface Force,  
U.S. Pacific Fleet

Vice Admiral Robinson is a native of Texas and attended Texas A&M University before entering the United States Naval Academy. He was commissioned an Ensign in 1963.

He first went to sea in USS STORMES (DD 780) as the Main Propulsion Assistant and then Damage Control Assistant. This tour was followed by a tour as Engineer Officer in USS ROWAN (DD 782). Subsequently he was the Executive Officer in USS DALE (CG 19).

His sea commands have been USS CANON (PG 90), USS READY (PG 87), USS LUCE (DDG 38), USS RICHMOND K. TURNER (CG 20) and COMMANDER, CRUISER DESTROYER GROUP EIGHT embarked on USS THEODORE ROOSEVELT (CVN 71). During his tour THEODORE ROOSEVELT Battle Group Commander he assumed additional duties as Commander, Battle Force Sixth Fleet in the Mediterranean Sea.

Ashore, Vice Admiral Robinson has served as the Administrative Aide to the Chairman of the Joint Chiefs of Staff; Surface Commander Assignment Officer; Director, Fiscal Management and Procedural Control Division for the Naval Military Personnel Command; Chief of Staff, Commander Surface Force, U.S. Atlantic Fleet; Executive Assistant and Senior Aide to the Vice Chief of Naval Operations; Director, Surface Warfare Manpower and Training Requirements Division (OP-39); Director, Surface Warfare Division (OP-32); Director, Operational Plans and Interoperability, Joint Staff (J-7); and the Deputy and Chief of Staff, U.S. Pacific Fleet.

He has earned a Master of Physics in Oceanography from the U.S. Naval Postgraduate School and is a graduate of the Foreign Service Institute's Executive Seminar in National and International Affairs.

Vice Admiral Robinson assumed his duties as Commander, Naval Surface Force, U.S. Pacific Fleet in April of 1993.

Vice Admiral Robinson's personal decorations include the Navy Cross, Defense Distinguished Service Medal, Distinguished Service Medal, Legion of Merit (five awards), Bronze Star with combat "V", Meritorious Service Medal and Purple Heart.

He is married to the former Gene Kirkpatrick of Denton, Texas. They have two sons, Kirk and David.



## THE PLATFORM PARTY

### **DR. HARRISON SHULL** Provost Naval Postgraduate School

Harrison Shull was born in Princeton, New Jersey in 1923. He attended Princeton University, majoring in chemistry and received the degree of Bachelor of Arts with highest honors in 1943.

From 1943-1945 he was employed at the U.S. Naval Research Laboratory, Washington, D.C. ultimately serving as Ensign, USNR.

From 1945-1948 he attended the University of California, Berkeley where he received the Ph.D. in Physical Chemistry.

In 1949 he joined the staff of Iowa State University as an Assistant Professor of Chemistry and an Associate Professor and Research Professor of Chemistry; Acting Chairman of the Chemistry Department; Director, Research Computing Center, Acting Dean of Facilities, Acting Dean, College of Arts and Sciences; Dean, Graduate School and Vice-Chancellor, Research & Development.

From 1979 to 1982 he was on the faculty of Rensselaer Polytechnic Institute in Troy, New Jersey serving as Professor of Chemistry; Vice President for Academic Affairs and Provost. From 1982 to 1988 he was at the University of Colorado, Boulder serving as Professor of Chemistry and as Chancellor from 1982 to 1985. In July 1988 he joined the Naval Postgraduate School as Provost and Academic Dean.

He is an honorary member of the National Academy of Sciences; the Royal Academy of Arts and Sciences of Uppsala; Fellow, American Association for the Advancement of Science; Phi Beta Kappa; Sigma Xi; Phi Lambda Upsilon; Cosmos Club, Washington D.C.. In addition he belongs to the American Chemical Society; the Association for Computing Machinery; the Society for Social Studies of Science.

Dr. Shull served as a member of the Naval Studies Board of the National Research Council from 1974 to 1979 and as a member of the CNO's Executive Panel from 1984 to 1988. He is also a member of the Board of Trustees of the Institute for Defense Analyses.



#### FIRST ROW (Left to Right)

**Captain John F. Baldwin**  
CHC, U.S. Navy  
Catholic Chaplain  
Naval Postgraduate School

**Colonel Ronald Bergquist**  
U.S. Air Force  
Defense Language Institute  
Monterey, California

**Colonel James A. Gillis**  
U.S. Marine Corp  
Commanding Officer (Prospecting)  
23rd Marines, San Rafael

**Colonel Thomas F. Ellzey**  
U.S. Army  
Commander, Fort Ord

**Captain Rudolph L. Carpenter**  
U.S. Coast Guard  
Chief Intelligence Division  
Coast Guard Island

**Vice Admiral David B. Robinson**  
U.S. Navy  
Commander, Naval Surface Force,  
U.S. Pacific Fleet

**Rear Admiral Thomas A. Mercer**  
U.S. Navy  
Superintendent  
Naval Postgraduate School

**Dr. Harrison Shull**  
Provost, Naval Postgraduate School

**Mrs. Dee Adolph**  
Board of Trustees  
Naval Postgraduate School Foundation

**The Honorable Jeanne Byrne**  
Mayor City of Pacific Grove

**Commander "Spud" Lambing**  
Representative, Monterey Peninsula  
Council Navy League

**Captain Gregory A. Bushnell, USN**  
U.S. Navy  
Dean of Students/Director of  
Programs  
Naval Postgraduate School

#### SECOND ROW (Left to Right)

**Dr. Curtis A. Collins**  
Department of Oceanography

**Dr. Russell Elsberry**  
Department of Meteorology

**Dr. William Colson**  
Department of Physics

**Dr. James Eagle**  
ASW Academic Group

**Dr. Richard Franke**  
Department of Mathematics

**LTC Dave Gaitros**  
Department of Computer Science

**Dr. Michael A. Morgan**  
Department of Electrical and  
Computer Engineering

**Dr. Daniel Collins**  
Department of Aeronautics and  
Astronautics

**Dr. Thomas Bruneau**  
Department of National Security  
Affairs

**Dr. Matthew Kelleher**  
Department of Mechanical  
Engineering

**Dr. David Whipple**  
Department of Administrative  
Sciences

**Dr. Peter Purdue**  
Department of Operations Research

**Dr. Paul Moose**  
Joint C3 Academic Group

**Dr. Rudolph Panholzer**  
Space and Systems Academic Group

**CURRICULAR OFFICERS AND ACADEMIC ASSOCIATES**

**THURSDAY - JUNE 16, 1994  
PROGRAM**

**Processional** .....The Marshalls  
Professor Milton Bank ..... Grand Marshall  
Professor Steven Baker ..... Marshall  
Professor James Fremgen ..... Marshall  
Lieutenant Colonel Bill Johnson, U.S. Marine Corps ..... Marshall

**Invocation** .....Chaplain John F. Baldwin

**Introduction to Speaker** ..... Rear Admiral Thomas A. Mercer, Superintendent

**Address to Graduates** .....Vice Admiral David B. Robinson, Commander,  
Naval Surface Force, U.S. Pacific Fleet

**Presentation of Awards** .....Provost

**Presentation of Candidates** ..... Department Chairman

**Announcement of Degrees** .....Provost

**Benediction\*** ..... Chaplain John F. Baldwin

**Recessional**

**Notes:**

RADM Mercer and Mrs. Mercer cordially invite graduates, faculty, and guests to a reception in honor of the graduates in the Barbara McNitt Ballroom of 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.

**Systems Management**

**Curricular Officer** - CDR Michael Tryon, SC, USN

**Academic Associates**

Transportation Logistics Management - Professor Alan McMasters  
Transportation Management - Professor Alan McMasters  
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 Alan McMasters  
Resource Planning and Mgmt for International Defense - Professor Roger Evered  
Material Logistics Support Management - Professor Alan McMasters  
Financial Management - Professor Joseph San Miguel  
Manpower, Personnel, Training and Analysis - Professor Mark Eitelberg

**Aerospace Engineering**

**Curricular Officer** - CDR Wade Duym, USN

**Academic Associates**

Aeronautical Engineering - Professor Gerald Lindsey  
Aeronautical Engineering Avionics - Professor Gerald Lindsey  
Space Systems Engineering - Professor Conrad Newberry

**Air-Ocean Sciences**

**Curricular Officer** - CDR Thomas Lage, USN

**Academic Associates**

Meteorology - Professor Roger T. Williams  
Oceanography - Professor Roland W. Garwood  
Operational Oceanography - Professor Robert Bourke

**Antisubmarine Warfare/Electronic Warfare/Space Operations**

**Curricular Officer** - CDR Luis R. Erazo, USN

**Academic Associates**

Antisubmarine Warfare - Professor James Sanders  
Electronic Warfare - Professor David Jenn  
Space Systems Operations - Professor Dan C. Boger

**Command, Control and Communications**

**Curricular Officer** - LTCOL Ernest K. Beran, USAF

**Academic Associate**

Command, Control and Communications - Professor Dan C. Boger

**Computer Technology**

**Curricular Officer** - LT Rick Arai, USN

**Academic Associates**

Information Technology - Professor Carl Jones  
Computer Science - Professor Mike Zyda

**JUNE 1994 GRADUATION AWARDS**

**Electronics and Communications**

**Curricular Officer - CDR Robert H. Ellis, USN**

**Academic Associates**

International - Professor Rama Janaswamy

Non-Navy - Professor Ron J. Pieper

Navy - Professor R. Clark Robertson

**National Security and Intelligence**

**Curricular Officer - LT Pat Munoz, USN**

**Academic Associates**

Area Studies - Professor Mikhail Tsypkin

Strategic Planning and Int'l Org. & Negotiations

Professor James Wirtz

Intelligence - CDR Peter R. Hull, USN

Special Operations/Low Intensity Conflict (SOLIC)

Professor Gordon McCormick

Regional Planning & Mgt for Int'l Defense (REPMID)

Professor D. Abenheim

**Naval Engineering**

**Curricular Officer - CDR Bill Gray, USN**

**Academic Associate**

Naval Engineering - Professor Morris Driels

**Operations Research**

**Curricular Officer - CDR Douglas Grau, USN**

**Academic Associates**

Operations Research - Professor James Rsary

Operational Logistics - Professor David Schrady

Advanced Science (Applied Math) - Professor M. Weir

**Combat Systems Sciences and Technology**

**Curricular Officer - CDR Lewis K. Athow, USN**

**Academic Associate**

Combat Systems - Professor James Sanders

**International Programs**

**Director - COL H. Gary Roser USMC (Ret)**

**Monterey Peninsula Council Navy League Award for Highest Academic Achievement  
LT Charles E. Muggleworth, USN**

Presented quarterly to 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 Outstanding Academic Achievement Award for Department  
of Defense Students - CAPT Gary J. McCarthy, USMC**

Presented quarterly to a graduating USA, USAF, USMC 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 - Ms. Beatriz Legorburu, Uruguay**

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.

**Naval Postgraduate School Superior Service Award - LCDR Lonnie R. Green, 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.

**Marine Corps Association Superior Service Award for Outstanding U.S. Marine Student -  
CAPT Michael Lester, USMC**

Presented quarterly to the graduating U.S. Marine student in any curriculum of superior service. The award is presented on the basis of superior contributions to the student body, professional community, and local Monterey area.

**Rear Admiral John Jay Schieffelin Award for Excellence in Teaching -  
(Announced at Graduation)**

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.

**Warren Randolph Church Award - \*LT Lester B. Makepeace III, USN**

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

**Armed Forces Communications and Electronics Association Award -**

**Mr. Scott A. McCardle, DoD Civilian and LT Charles E. Muggleworth, USN**

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



**Admiral William Adger Moffett Award (Aeronautics) - \*LT Mark A. Couch, USN**  
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 David S. Neely, USN**  
Presented semiannually to a graduating U.S. Marine Corps of distinguished academic achievement in the advanced Electronics Engineering program.

**Naval Sea Systems Command Award for Weapons Systems Engineering and Excellence - LT John Meissel, USN**  
Presented in recognition of distinguished scholastic achievement in Weapons Systems Engineering. Selection is based on marks attained, quality and applicability of thesis and demonstrated leadership potential in the field of Weapons Engineering and Excellence.

**Naval Sea Systems Command Award in Naval Engineering - LCDR William Joseph Marr, USN**  
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.

**Oceanographer of the Navy Award for Outstanding Academic Performance in Air-Ocean Sciences - \*LT Patrick S. Cross, 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 Thomas R. McClellan Award for Academic Excellence in Systems Management - LT Timothy J. Green, 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 - LT Arno J. Sist, USN and LT Gary A. Broadwell, 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 - LT Thomas C. Luetzow, 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 - Ms. Beatriz Legorburu, Uruguay**  
Presented semiannually to a student in any of the Administrative Sciences 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.

**Conrad Scholar Award for Distinguished Academic Achievement in Financial Management - LCDR Paul F. Healy, 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 - Mr. David Michael Lowy, DoD Civilian**  
Presented to a student 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 Daniel J. Elmore, 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 John C. Nicholson, 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 Lester C. Makepeace III, 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.

## THE GRADUATES

### DOCTOR OF PHILOSOPHY IN AERONAUTICAL ENGINEERING

LCDR Robert Jay Niewoehner, Jr., USN

### DOCTOR OF PHILOSOPHY IN PHYSICAL OCEANOGRAPHY

\*LCDR Emanuel F. Coelho, Portuguese Navy

\*Russell Eugene Brainard, NOAA

### DOCTOR OF PHILOSOPHY IN METEOROLOGY

William Travis Thompson, Naval Research Lab

### DOCTOR OF PHILOSOPHY IN PHYSICS

LT Charles A. Davis, USN

### DOCTOR OF PHILOSOPHY IN APPLIED MATHEMATICS

LTC Gary W. Krahn, USA

MAJ Bruce T. Robinson, USA

### DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE

CPT David Anthony Dampier, USA

### ELECTRICAL ENGINEER

LTJG Raphael Anestis, Hellenic Navy

### AERONAUTICAL AND ASTRONAUTICAL ENGINEER

LT John Charles Nicholson, USN

### MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

CAPT Dale R. Davis, USMC (With Distinction)

MAJ Ronald B. Maxwell, USAF

\*CAPT Christine Elaine Schubert, USAF

\*CPT Rafi S. Albarian, USA

MAJ James H. Coffman, Jr., USA

CPT Joseph B. Fox, USA (With Distinction)

CPT Charles Peter Grenchus, USA

\*CPT Thomas J. Jardine, USA

CPT Kevin Eugene McCall, USA

CPT Mark K. Roberts, USA

CPT Mark Avery Shaffstall, USA

CPT Michael Stukes Skardon, USA

MAJ Richard G. Thomas, Jr., USA

CPT Ronald T. Toth, USA

CPT Glenn Ronald Walker, Jr., USA

COL Hans Wegmueller, Swiss Army (With Distinction)

LT Michael A. Barretta, USN

LT Jeffrey Halliday Bell, USN

LT Raymond P. Collins, Jr., USN

LCDR Stephen B. Dowell, Jr., USN

LT Ronald E. Draker, USN

LT Michael Robert Erickson, USN

LT David Charles Foley, USN

LCDR Jane E. Hoffman, USN

LT Deborah L. Jenkins, USNR

LT Mark A. Johnson, USN

LCDR James H. Kruse, USN (With Distinction)

LCDR Joseph P. Peterson, USN

LT David A. Schnell, USN

LT Stephen A. Schwing, USN

LT Richard D. Smith, USN

LT Eric Milton Van Meter, USNR

LCDR Janice M. Wynn, USN

Ms. Sigrid Jeanne Gobel, Department of the Air Force

Mr. David Michael Lowy, Department of the Air Force

### MASTER OF SCIENCE IN NATIONAL SECURITY AFFAIRS

CAPT Ty Alan Schieber, USMC

### MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

\*CPT Thomas H. Bryant, USA

\*LT Matthew E. Baker, USN

\*LCDR Joseph G. Capstaff, USN

\*LT Mark Edward Cedrun, USN

LT Juan D. Cuesta, USN

LT Martin William Deppe, USN

\*LT Robert B. Dishman, USN

LCDR William Dooley, USN

\*LT Stephen N. Frick, USN

\*LT Mark E. Kelly, USN

LT Michael Lee Moats, USN

LT Michael Brent Schachterle, USN

### MASTER OF SCIENCE IN ASTRONAUTICAL ENGINEERING

LT Brian Evans Bowden, USN

LT David William Buesking, USN

LT Daniel Joseph Cuff, USN

LCDR Mark Gregory Feuerstein, USN

LT Paul Alan Gardner, USN

LT John Charles Nicholson, USN

LCDR Clay James Snaza, USN

LT Eric Leigh Victor, USN

### MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

CAPT Michael T. Lester, USMC

CPT John K. Dewey, USA

LTJG Raphael Anestis, Hellenic Navy

LT David B. Brewer, USN

LT Dennis W. Brown, USNR

LT John Paul Cardany, USN

LCDR Chou, Tso-Chuan, R.O.C. on Taiwan, Navy  
LTJG Vassilios Flokas, Hellenic Navy  
LT Peter A. Gatchell, USNR  
LT Donald Benton Howard, USN  
LTJG Selcuk Karayakaylar, Turkish Navy  
LT Olav E. Kjono, USN  
LTJG Enver Kucukerman, Turkish Navy  
LTJG Nickolaus Malachias, Hellenic Navy  
LCDR Roger Dale McGinnis, USN  
LCDR Masakuni Michiue, Japanese Navy  
LT Charles Muggleworth, USN (With Distinction)  
LT David S. Neely, USN (With Distinction)  
LT Abraham Thomas Paulose, USN  
LT Per Erik Provencher, USN

**MASTER OF SCIENCE IN MECHANICAL ENGINEERING**

1LT Haluk Aygunes, Hellenic Army  
MAJ Yang, Shih-Ting, R.O.C. on Taiwan, Army  
LT Edgar Alhambra, USN  
LTJG Mehmet Baskaya, Turkish Navy  
LCDR Timothy Vincent Flynn III, USN  
LT Glenn David Hofert, USN  
LT Andrew Robert Leech, USN  
LCDR William Joseph Marr, USN  
LTJG Bulent Olcay, Turkish Navy  
LTJG Selcuk Ornek, Turkish Navy

**MASTER OF SCIENCE IN MANAGEMENT**

CAPT Gary J. McCarthy, USMC  
LTC Moshe Cohen, USAF  
CPT Curtis H. Nutbrown, USA  
CPT Steven Craig Wical, USA  
CPT Michael David Wills, USA  
LT Gaynell Grant Barber, USN  
LT Joseph A. Bauknecht, USN  
LT Paul Edwin Borkowski, USN  
LT Douglas Steven Borrebach, USN  
LT Gary A. Broadwell, USN (With Distinction)  
LCDR Terri E. Brutzman, USN  
LCDR Kent G. Caldwell, USN  
LT Thomas Daniel Chase, USN  
LCDR Fred E. Cleveland, USN  
LCDR Christopher S. Colon, Israelian Navy  
LT Kathleen B. Daniels, USN  
LT Michael C. Davidson, USN  
CDR Gary B. Dye, USN (With Distinction)  
LT Phillip H. Farnum, USN  
LT Norman Geatz Fitzpatrick, USN  
LT Videl E. Gonzalez, USN  
LT Timothy John Green, USN (With Distinction)  
LCDR Randall M. Haney, USN

LCDR John Alan Hayward, USN  
LCDR Paul Fredrick Healy, USN  
LCDR Steven Edward Heldreth, USN  
LCDR Herman J. M. Jorgensen IV, USN  
LT Joseph C. Kubiak, USN  
LT Thomas Charles Luetzow, USN (With Distinction)  
LCDR Elmer M. Molano, USN  
LCDR Toshihiko Motohashi, Japanese Navy  
LCDR Michael Joseph Murdter, USN  
LCDR Gary T. Murphy, USN  
LCDR Thomas Joseph Murphy, USN  
LCDR Joseph A. Napoli Jr., USN  
LT Mark Scott Newell, USN  
LT Mark Antoni Ohl, USN  
LCDR Kenneth James Panos, USN  
LT Ben Paul Persinger, USN  
LT Juan Felipe Roman, Colombian Navy  
LCDR Larry Gene Romig, USN  
LT Steven Dale Schmidt, USN  
LT John E. Shassberger, USN  
LT Arno J. Sist, USN (With Distinction)  
LT Dennis G. Smythe, USN (With Distinction)  
LT Mark Joseph Steinmetz, USN  
LCDR Mark Thomas Timme, USN  
LT Frederick Mark Vanluit, USN  
LT Brian David Williams, USN  
LT Charles I. Willis, USN  
LCDR John A. Zangardi, USN  
Ms. Beatriz Legorburu, Uruguay (With Distinction)  
Mr. Alejandro Dezerega Petoohoff, Chile (With Distinction)  
Ms. Teri S. Snyder, Naval Postgraduate School

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

1Lt Ufuk Aydin, Turkish Air Force  
MAJ Habibur Rahman Kamal, Bangladesh Army  
COL Jacinto C. Ligot, Phillipine Army  
MAJ Alioune Seck, Senegal Army  
CPT Leszek Soczewica, Polish Army  
COL Arsenio L. Tecson, Phillipine Army  
LTJG Ismail Zafer Basaran, Turkish Navy  
CAPT Adolf P. Borje, Phillipine Navy  
CAPT Joaquin E. GarciaSilva P., Mexican Navy  
LTJG Alpar Karaahmet, Turkish Navy  
LT Mabe Rabashwa Saborone, Botswana Navy  
Mr. Chang, Man Chul, Korea  
Ms. Anne Kusmayati, Indonesia  
Mr. Abderrahmen Messaoudi, Tunisia  
Mr. Piniyas Rabson Mushayavanhu, Zimbabwe  
Mr. M. Santoso Nugroho, Indonesia

**MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT**

MAJ Christopher H. Biggs, USMC  
LT Michael J. Bosley, USCG  
LCDR Charles E. Fuller, USN  
LCDR Pamela J. Gallup, USN (With Distinction)  
LT Douglas V. Russell, USN

**MASTER OF SCIENCE IN PHYSICAL OCEANOGRAPHY**

LCDR Burton T. Palmer, USN  
LT Todd W. Sitler, USN (With Distinction)

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

LT Weston J. Anderson, USN  
LT William S. Dickson, USN  
LT Charles L. Schilling, USN  
LT Cory A. Springer, USN  
LT David J. Walsh, USN

**MASTER OF SCIENCE IN METEOROLOGY**

LTJG Jorge Cardenas Amores, Ecuador Navy  
LT Todd W. Sitler, USN (With Distinction)

**MASTER OF SCIENCE IN COMPUTER SCIENCE**

CPT Nancy C. Free, USA  
\*CPT Mark A. Schivley, USA

**MASTER OF SCIENCE IN OPERATIONS RESEARCH**

CPT Todd A. Buchs, USA  
CPT Michael J. Teague, USA  
LT Susan B. Padgett, USN

**MASTER OF SCIENCE IN APPLIED PHYSICS**

LCDR Charles Richard Cooley, Jr., USN  
LT John Edward Meissel, USN (With Distinction)  
\*LT Dennis D. Quick, USN

**MASTER OF SCIENCE IN PHYSICS**

LT Michael W. Gill, USN  
CDR Joseph Barry Hall, USN  
LtCol Huang, Yun-Yao, R.O.C. on Taiwan Air Force  
LT Hewitt M. Hymas, USN  
LT John Patrick Carter, USN (With Distinction)

**MASTER OF SCIENCE IN ENGINEERING ACOUSTICS**

LCDR Chang, Chung-Jen, R.O.C. on Taiwan, Navy  
LT Hwang, Eui-Sik, R.O.C. on Taiwan, Navy  
LT Charles Muggleworth, USN (With Distinction)

**MASTER OF SCIENCE IN ENGINEERING SCIENCE**

LTJG Serhat Balkan, Hellenic Navy  
LTJG Alpay Cakarcan, Hellenic Navy  
LTJG Alp Kayirhan, Hellenic Navy  
LT Humberto J. Cassin, Hellenic Navy

**MASTER OF SCIENCE IN SYSTEMS ENGINEERING**

\*LCDR Gary Owen Mallo, USN

**MASTER OF SCIENCE IN APPLIED MATHEMATICS**

CPT Jon L. Christensen, USA  
CPT Archie Wilmer III, USA  
LT Christopher A. Rhoden, USN

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

CAPT Frank A. Kunst, USMC  
MAJ Michael E. Lewis, USMC  
CAPT Ty A. Schieber, USMC  
CAPT Ronald C. Cournoyer Jr., USAF  
CAPT Donald J. Dishong, USAF  
CAPT Daniel J. Elmore, USAF (With Distinction)  
CAPT Stanley E. Grant, USAF  
CAPT Alan P. Ostenberg, USAF  
CAPT Mark W. Pierce, USAF  
CAPT Tommy H. Smith, USAF  
CAPT David J. Steffens, USAF (With Distinction)  
CPT William M. Churchwell, USA  
CPT Larry Franklin, USA  
CPT Daniel R. Kestle, USA  
LT David J. Adams, USN  
\*LT Philip K. Bess, USN  
LT Christopher J. Bushnell, USN  
LCDR Lonnie R. Green, USN  
LT Christopher H. Halton, USN  
LT Krista Harris, USN  
LT Benjamin L. Huggins, USN  
LT Daniel J. Knaus, USN  
LTCarolynn A. Luce, USN  
LT Gary R. Melvin, USN  
LT Jack R. Saylor, USN  
LT Bruce A. Shaw, USN  
LT Jeffrey S. Spearman, USN  
LT Jeffrey S. Wolstenholme, USN  
Mr. Scott A. McCardle, DoD Civilian, (With Distinction)

**MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY  
(SPACE SYSTEMS OPERATIONS)**

LT Joseph John Mihal, Jr., USN  
LCDR Robert Angelo Vendrasco, USN

Those students whose names are preceded by an (\*) are being presented in absentia.

16 JUNE 1994  
THESIS ADVISORS

\*Prof Tarek Abdel-Hamid  
\*Assoc Prof Donald Abenheim  
Prof Brij Agrawal  
Prof Robert Ashton  
Prof Michael P. Bailey  
Prof Valdis Berzins  
Prof Dan C. Boger  
Prof Randy L. Borchardt  
Asst Prof Carlos F. Borges  
\*Robert Boynton  
Asst Prof Jan Breemer  
Prof Thomas Bruneau  
\*Senior Lect Claude Buss  
Assoc Prof Everett Carter  
Assoc Prof Chih-Pei Chang  
Assoc Prof Ching-Sang Chiu  
Prof Alfred Cooper  
Prof Kenneth L. Davidson  
Prof Daniel Dolk  
\*Assoc Prof Richard Doyle  
Prof Philip A. Durkee  
Assoc Prof Indranath Dutta  
Prof James N. Eagle  
\*Assoc Prof Michael Eitelberg  
\*Prof Roger Evered  
\*Lect Dana Eyre  
\*Prof Monique P. Fargues  
Prof Francis Fassnacht  
\*Senior Lect Paul Fields  
Asst Prof Douglas Fouts  
Prof Harold Fredericksen  
\*Prof Roland W. Garwood, Jr.  
Vstg Asst Prof Bill Gates  
Vstg Assoc Prof Gumam Gill  
\*Prof Tri T. Ha  
\*Prof Reuben Harris  
Prof Anthony J. Healey  
\*Resident Assoc Prof Sheshagiri Hebbar  
Prof David R. Henderson  
Assoc Prof Thomas H. C. Herbers  
\*Vstg Assoc Prof Gregory Hildebrandt  
\*Vstg Assoc Prof Susan Hocoever  
Assoc Prof Richard Howard  
Senior Lect Wayne Hughes  
Assoc Prof David C. Jenn  
Prof Carl Jones  
Prof Lawrence Jones  
\*Assoc Prof Magdi Kamel  
\*Asst Prof Isaac Kaminer  
Prof Yutaka Kanayama  
Prof William G. Kemple  
\*Young Kwon  
R. Laba  
\*David Lamm

\*P. Lavoy  
Prof Siriphong Lawphongpanich  
Prof Frederic H. Levien  
\*Shu Liao  
Prof Glenn F. Lindsay  
Prof Herschel Loomis  
\*Assoc Prof R. Magnus  
Visiting Prof Bard Mansinger  
\*Prof Alan McMasters  
\*Prof Stephen Mehay  
Assoc Prof Sherif Michael  
Asst Prof James H. Miller  
Prof Paul H. Moose  
Asst Prof Ranjan Mukherjee  
RADM Mulligan  
\*Assoc Prof Tom Murphee  
Prof David Netzer  
Prof Edward Olsen  
\*Prof Philip E. Pace  
Asst Prof Fotis A. Papoulias  
\*Prof Patrick Parker  
Prof Samuel Parry  
\*Prof John P. Powers  
\*Prof Balasubramaniam Ramesh  
\*Assoc Prof Nancy Roberts  
\*Asst Prof Glenn Robinson  
Distinguished Prof Turgut Sarpkaya  
\*LCDR Neil Seiden  
Prof Young S. Shin  
\*Prof Shridhar B. Shukla  
Prof Michael G. Sovereign  
Assoc Prof Timothy P. Stanton  
Prof Roger Stemp  
\*Asst Prof Paul Stockton  
Lecturer Mark Stone  
Prof Myung Suh  
Prof James G. Taylor  
\*Vstg Asst Prof Katchan Terasawa  
Prof Charles W. Therrien  
\*Assoc Prof Gail Thomas  
Prof Edward B. Thomson  
\*Asst Prof Van Henson  
Prof Donald Walters  
Prof Carlyoe H. Wash  
\*Lecturer Linda Wargo  
Commander Jeffrey Warmington  
Prof Maurice Weir  
Prof Roberts E. Wood  
Prof C. T. Wu

(\* Denotes Advisors with multiple Thesis

THE CLASS OF SPRING QUARTER 1994 WOULD LIKE TO RECOGNIZE  
THE FOLLOWING INDIVIDUALS:

*1993 SAILOR OF THE YEAR - EW1(SW) KURT A. RUFF*

*1993 JUNIOR SAILOR OF THE YEAR - CM3 THOMAS E. MILLER*

*JAN 94 - MAR 94 SAILOR OF THE QUARTER - QM2 JOHN E. WEBER*

*EMPLOYEE OF THE YEAR - For Outstanding Contribution to the Advancement of Hispanics - LT PATRICIA MUNOZ*

*EMPLOYEE OF THE YEAR - For Outstanding Contributions to the Advancement of African Americans - DONNA SEXTON*

*OUTSTANDING EMPLOYEE OF THE YEAR (OVERALL) - GWENDOLYN JOHNSON*

*WOMAN OF THE YEAR - PATRICIA PORTER*

*DISABLED EMPLOYEE OF THE YEAR - JOHN PHILLIPS*

*EQUAL EMPLOYMENT OPPORTUNITY OFFICIAL OF THE YEAR - CAPT JOE BEGBIE*

*SUPERVISOR OF THE YEAR - R. G. NUTT*

*MANAGER OF THE YEAR - IVAN GILLIS*

*ADMINISTRATIVE EMPLOYEE OF THE YEAR - ROSE PISARES*

*CLERICAL EMPLOYEE OF THE YEAR - MILAGROS POCAIGUE*

*PROFESSIONAL EMPLOYEE OF THE YEAR - ARLENE GUEST*

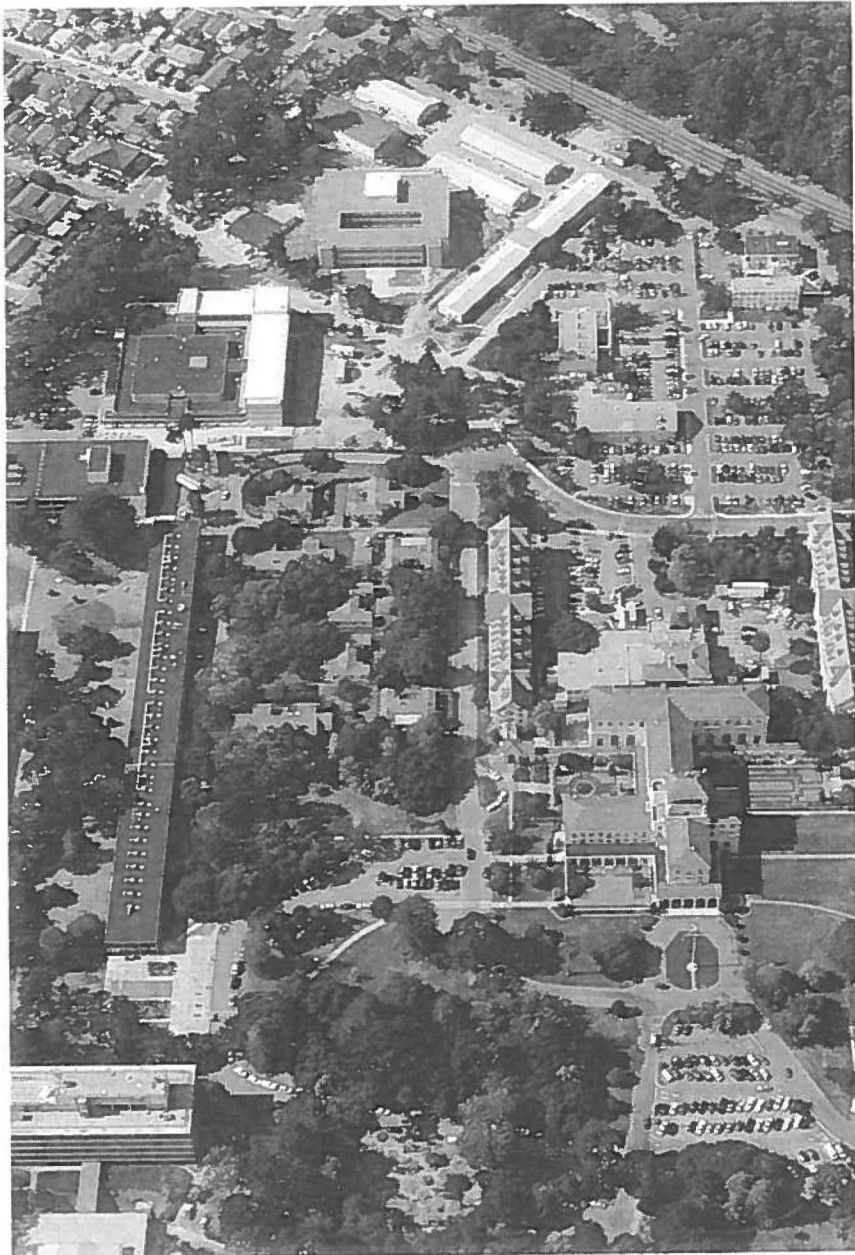
*SCIENTIFIC EMPLOYEE OF THE YEAR - DR. MARIE COLTON*

*STUDENT TRAINEE OF THE YEAR - MELISSA YEATER*

*TECHNICAL EMPLOYEE OF THE YEAR - TRACY SNELL*

*TRADES & CRAFTS EMPLOYEE OF THE YEAR - JOHN BENKA*





## 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 37 different curricula split between 11 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 June and September. Of the approximately 1900 students now enrolled, about 75% are in the United States Navy and Marine Corps, 15% are from other United States services, and the remaining 10% 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, RAD Thomas A. Mercer, with the assistance of Provost Harrison Shull, guides the school in its endeavors. There is also a civilian Dean of Faculty, Dean of Instruction, Dean of Computer and Information, Dean of Research, and two U.S. Navy Captains who serve as the Dean of Students/Director of Programs and Director of Military Operations.

Guests are invited to tour the school grounds and to visit the Naval Postgraduate School Museum located in the basement of Herrmann Hall. The museum is designed to capture the rich history of both the school and the Old Del Monte Hotel through displays and artifacts.

