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# Naval Postgraduate School Graduation Exercises / Class of December 1980

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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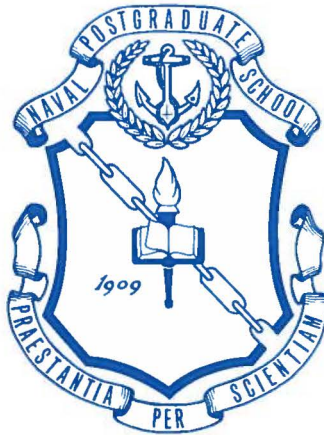
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[U.S.] NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

# GRADUATION EXERCISES

THURSDAY AFTERNOON

18 DECEMBER 1980

AT THREE O'CLOCK

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**Superintendent**  
**JOHN J. EKELUND**  
Rear Admiral, United States Navy

**Provost**  
**DAVID A. SCHRADY**  
Doctor of Philosophy

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

**Dean of Information and Policy Sciences**  
**WALTER MAX WOODS**  
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."

# the program

## PROCESSIONAL

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

## NATIONAL ANTHEM

## INVOCATION

### INTRODUCTION OF SPEAKER

Rear Admiral JOHN J. EKELUND, U.S. Navy

### ADDRESS TO GRADUATES

Doctor JOHN BROOKS SLAUGHTER  
Director, National Science Foundation

PRESENTATION OF NAVY DISTINGUISHED CIVILIAN SERVICE AWARD  
to Professor GEORGE J. HALTNER

### PRESENTATION OF AWARDS

Monterey Peninsula Council Navy League Award  
NAVELEXSYSCOM Award in Electronics Engineering  
NAVSEASYSYSCOM Award for Weapon Systems Engineering  
NAVSEASYSYSCOM Award in Naval Engineering  
United States Naval Institute Award

### PRESENTATION OF CANDIDATES BY DEPARTMENT CHAIRMEN

### ANNOUNCEMENT OF DEGREES

Rear Admiral JOHN J. EKELUND, U.S. Navy  
Dean DAVID A. SCHRADY

## BENEDICTION

## RECESSIONAL

# platform party

## FIRST ROW (left to right)

Commander John A. Piirto  
CHC, United States Navy

Colonel Ralph J. Appezzato  
United States Marine Corps

Colonel Robert H. Webb  
United States Army

Dean David A. Schrady  
Provost, Naval Postgraduate School

Rear Admiral John J. Ekelund, U.S. Navy  
Superintendent, Naval Postgraduate School

Doctor John Brooks Slaughter  
Director, National Science Foundation

Rear Admiral Alfred P. Manning, Jr.,  
U.S. Coast Guard  
Commander, 11th Coast Guard District

Colonel Thomas R. Thaanum  
United States Air Force

Mr. Karl von Christierson  
President, Monterey Peninsula Council  
of the Navy League

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

## SECOND ROW

Professor John M. Bouldry  
Electronic Warfare  
Academic Group

Professor John N. Dyer  
Department of Physics and Chemistry

Professor Christopher N.K. Mooers  
Department of Oceanography

Professor Gordon R. Bradley  
Department of Computer Science

Professor Carl R. Jones  
Department of Administrative Sciences

Professor Kneale T. Marshall  
Department of Operations Research

Professor Theodore H. Gawain  
Department of Aeronautics

Professor Paul J. Marto  
Department of Mechanical Engineering

Professor Donald E. Kirk  
Department of Electrical Engineering

Professor Sherman W. Blandin  
Department of National Security Affairs

# awards

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

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

Lieutenant Commander WILLIAM R. SHOCKLEY, U.S. Navy



## NAVAL ELECTRONIC SYSTEMS COMMAND AWARD in ELECTRONICS ENGINEERING

Presented semi-annually to a U.S. Navy officer student in recognition of distinguished academic achievement in the advanced Electronics Engineering program.

Commander WILLIAM L. MARKS, U.S. Navy



## NAVAL SEA SYSTEMS COMMAND AWARD for WEAPON SYSTEMS ENGINEERING EXCELLENCE

Presented in recognition of distinguished scholastic achievement in a Weapons Engineering field of study. Selection is based on marks attained, quality and applicability of thesis and demonstrated leadership potential in the field of Weapons Engineering.

Captain GUY R.A. VERMANDER, Canadian Forces



## 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.

Commander DAVID C. KANE, 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 MARC A. HELGESON, U.S. Navy



## ARMED FORCES COMMUNICATIONS and ELECTRONICS ASSOCIATION HONOR AWARD

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

\*Lieutenant Colonel JAMES W. JACOBSON, U.S. Marine Corps

\*Awarded in absentia

## NAVAL POSTGRADUATE SCHOOL DEPARTMENT CHAIRMEN

Professor **GEORGE J. HALTNER**  
Meteorology

Professor **DONALD E. KIRK**  
Electrical Engineering

Professor **CARROLL O. WILDE**  
Mathematics

Professor **KNEALE T. MARSHALL**  
Operations Research

Professor **SHERMAN W. BLANDIN**  
National Security Affairs (acting)

Professor **MAXIMILIAN F. PLATZER**  
Aeronautics

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

Professor **PAUL J. MARTO**  
Mechanical Engineering

Professor **JOHN N. DYER**  
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 **WILLIAM H. GOESLING**, 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  
Air-Ocean Sciences

Commander **RICHARD B. RENNER**, U.S. Navy  
Administrative Sciences

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

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

Lieutenant Colonel **JEFFREY W. JOHNSON**, 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

\*CETIN, Mustafa, LTJG, Turkish Navy

\*CHANG Ihn Kiel, LT, Republic of Korea Navy

\*ERCEIS, Mehmet A., LT, Turkish Navy

\*ERENOGLU, Metin M., LT, Turkish Navy

\*KERESTECIOGLU, Mustafa, LTJG, Turkish Navy

\*KIRGIL, Adnan, LTJG, Turkish Navy

\*OZKOC, Halit, LTJG, Hellenic Navy

\*TOPAC, Zafer, LT, Turkish Navy

\*YAVUZ, Luffi, LT, Turkish Navy

### BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

ONAL, Ahmet, LTJG, Turkish Navy

\*SAYIN, Serhat, LTJG, Turkish Navy

\*TOSUN, Levend, LTJG, Turkish Navy



### MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS

GLAD, Thomas C., CPT, USA

KUZELL, Charles M., CPT, USA

NISSSEN, Wayne A., CPT, USA

WOLF, David B., MAJ, USA

CHANDLER, Wayne R., MAJ, USAF

GARST, Winfred J., Jr., CAPT, USAF

HOGAN, James B., LTCOL, USAF

HUNT, David J., MAJ, USAF

RAY, Leonard F., MAJ, USAF

CAUGHEY, Grant J., LT, USN

COOPER, James S., LT, USN

DISNEY, Donald B., Jr., LCDR, USN

HELGESON, Marc A., LCDR, USN

HUBBARD, Robert L., LT, USN

JONES, Earl R., LCDR, USN

\*MAURO, Charles T., LCDR, USN

McLAUGHLIN, Kathleen M., LT, USN

SMITH, Peter R., LCDR, USN

\*STUBBLEFIELD, Gary L., LCDR, USN

### MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

BOND, James E., CAPT, USMC

KANE, Thomas G., CAPT, USMC

\*KEOGH, William P., CAPT, USMC

\*THOMAS, Hugh Harnett, CAPT, USA

ACHYANTO, Djoko, MAJ, Indonesian Navy

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

AL-SULAIMAN, Abdulaziz A., LT, Royal Saudi Naval Forces

\*BAL, Nurettin, LTJG, Turkish Navy

\*BILIR, Adnan, LT, Turkish Navy

CHO Khun Sung, MAJ, Republic of Korea Army

\*EREN, Baha, LT, Turkish Navy

## MASTER OF SCIENCE IN ELECTRICAL ENGINEERING (Cont.)

- \*FORGET, Jean-Paul, CAPT, Canadian Forces  
GAGARIN, Gregory J., LCDR, USN  
\*GIOTIS, Evangelos K., LT, Hellenic Navy  
GRANT, Roderick C., LCDR, USN  
HELM, Jim E., LT, USN  
HOLLANDS, Christopher C., LCDR, USN  
\*IBERT, Peter J., LCDR, USN  
IFTIKHAR, Nayyar, LT, Pakistan Navy  
JAN Jaw Shyong, LT, Taiwan Navy  
KALAFAT, Vural, LT, Turkish Navy  
\*KOBELSKI, John H., LT, USN  
\*LIONIS, Anastasios E., LCDR, Hellenic Navy  
MARKS, William L., CDR, USN  
MCCLELLAN, Gene E., LT, USN  
MCDEVITT, Robert J., LCDR, USN

## MASTER OF SCIENCE IN MECHANICAL ENGINEERING

- BRUCKER, Blaine R., LCDR, USN  
\*DEMIREL, Ismail, LT, Turkish Navy  
DUNCAN, Ralph E., LT, USN  
FRAZIER, Robert L., LT, USN  
IMMEL, Gerhard O., LCDR, Federal German Navy  
KANE, David C., CDR, USN  
KING, Richard N., LT, USN  
\*LEPERE, Victor J., Jr., LT, USN  
LOUDEN, Peter E., LCDR, USN  
MELLOR, Martin W., LCDR, USN  
\*METOCHIANAKIS, Michael, CAPT, Hellenic Air Force  
MORGAN, Michael C., LCDR, USN  
SCHAUBEL, Raymond C., LCDR, USN  
\*SHAW, Richard S., LT, USN

## MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING

- LUCCHESI, Marc A., LT, USN  
\*METOCHIANAKIS, Michael, CAPT, Hellenic Air Force  
\*STENSTROM, Frank E., LCDR, USN

## MASTER OF SCIENCE IN ENGINEERING SCIENCE

- BROWN, Gary L., LT, USN  
JONES, Steven A., LT, USN  
LEGHART, Martin J., Sr., LT, USN  
\*MANDIGO, Alan M., LT, USN  
PARKS, Williams H., Jr., LCDR, USN  
PARR, James E., LT, USN  
RUSH, Robert J., LCDR, USN  
SCHONBERGER, James R., LT, USN  
TAYLOR, Peter W., LT, USN  
\*TILLOTSON, Kenneth D., LCDR, USN  
VIA, Kenneth D., LT, USN  
\*WHITE, John S., LCDR, USN

## MASTER OF SCIENCE IN OPERATIONS RESEARCH

- KUCK, George V.H., Jr., MAJ, USMC  
\*SLATTERY, Patrick J., CPT, USA  
STORER, Richard W., CAPT, USAF

## MASTER OF SCIENCE IN MANAGEMENT

- BOURDON, Paul J., MAJ, USMC  
CLARKSON, Billy J., CAPT, USMC  
DAVIS, DeQuincey A., CAPT, USMC  
ESITLOW, Rex A., CAPT, USMC  
FOLAN, Stephen P., CAPT, USMC  
MELCHAR, David E., MAJ, USMC  
BATISTE, John R., CPT, USA  
\*LIVINGSTON, Raymond L., CPT, USA  
NELSON, George R., CPT, USA  
\*OYLOE, Myron C., MAJ, USA  
STANTON, Edgar E., CPT, USA  
WRIGHT, James E., CPT, USA  
FROEHLICH, Steven E., LT, USCG  
HERTZ, Douglass S., LT, USCG  
NORWOOD, Percy O., Jr., LT, USCG  
ALHARBY, Abdulrahim I., CAPT, Royal Saudi Naval Forces  
ANDERSON, Thomas P. IV, LT, USN  
ARRISON, Ronald B., LT, USN  
BAHAR, Yahuda, LTCOL, Israeli Army  
DONNELLY, William J., LCDR, USNR  
FLETCHER, Owen R., Jr., LT, USN  
FORD, Jerry W., LCDR, USN  
FOWLER, Brad J., LT, USN  
GARDNER, Daniel E., LCDR, USN  
HOWELL, James R., LT, USN  
JACKSON, Paul J., LT, USN  
KARNESKY, David A., LT, USN  
KAYLER, Robert S., LCDR, USN  
KERTADJAJA, Daniel G., CAPT, Indonesian Air Force  
LEGG, Robert P., LCDR, USN  
LEWIS, Billy L., LCDR, USN  
MARUSZAK, Paul S., LCDR, USNR  
MATSUSHIMA, Rodney F., LCDR, USN  
NOLIN, Bruce E., LCDR, USN  
PALMBORG, James G., CDR, USN  
PARISH, Richard J., LCDR, USN  
POPP, Ronald G., LT, USN  
RACHOR, Robert L., Jr., LCDR, USN  
RIKARD, Ralph M., Jr., LT, USN  
SCHOLES, Michael L., LT, USN  
SCOTT, Bonnie M., LCDR, USN  
TANUHANDARU, Paulus, LCDR, Indonesian Navy  
\*TUROWSKI, Henry J., Jr., LCDR, USN  
WHITE, Charles E., LCDR, USN

## MASTER OF SCIENCE IN COMPUTER SYSTEMS MANAGEMENT

\*BROWN, Stephen S., CAPT, USMC  
\*JEFFERSON, Gordon R., LTCOL,  
USMC  
PRATHER, William M., CAPT, USMC  
ROBINSON, Jr., James W., CAPT,  
USMC  
VERMILLION, Terry L., CAPT, USMC  
BEERSDORF, Jerry W., LT, USN  
BOCK, John G., III, LCDR, USN  
BRANDON, Harry M., LT, USN  
DUGGAN, Michael J., LT, USN  
ERNO, Michael L., LT, USN  
\*HOLBACH, Jaes H., LCDR, USN  
INTERHOLZINGER, Jared F., LCDR,  
USN

\*KERN, Thomas M., LCDR, USN  
\*KRISANTO, Yus, MAJ, Indonesian  
Navy  
KUNKEL, Clyde E., LCDR, USN  
LEE Jae-Kee, LTCOL, Republic of  
Korea Air Force  
MARKWELL, Gregory A., LCDR,  
USN  
McQUEEN, Thomas W., LCDR, USN  
\*MOORE, Bruce R., LT, USN  
RUMBAYAN, Tony A., COL,  
Indonesian Army  
SMYTH, William J., LT, USN  
WALLNER, Raimund R., LCDR,  
Federal German Navy

## MASTER OF SCIENCE IN COMPUTER SCIENCE

ANDERSON, Richard L., LT, USN  
CLAYMAN, William Dennis,  
LCDR, USN  
HADDOW, Daniel P., LT, USN  
HARDJOHUBOJO, Subihanto, MAJ,  
Indonesian Navy  
HODGINS, Bart D., LT, USN

\*MYERS, Linda M., LT, USN  
\*RAUTENBERG, Ronald E., LCDR, USN  
ROGERS, Mark A., LCDR, USN  
SHOCKLEY, William R., LCDR, USN  
VERMANDER, Guy R.A., CAPT,  
Canadian Forces

## MASTER OF SCIENCE IN OCEANOGRAPHY

\*REYNOLDS, William J., LTCOL, USA  
HANNA, James S., LT, USN

## MASTER OF SCIENCE IN METEOROLOGY AND OCEANOGRAPHY

BURGESS, Leslie A., LT, USN  
RABY, John W., LT, USN

SELSOR, Harry D., LT, USN  
WARRENFELTZ, Larry L., LT, USN

## MASTER OF SCIENCE IN METEOROLOGY

\*KOZIARA, Michael C.

## MASTER OF SCIENCE IN PHYSICS

BARKER, Joseph H. III, LCDR, USN  
COSTA, Joseph R., LT, USN  
GRAHAM, Jerry L., LT, USN  
MCKINLEY, Gary M., LT, USN

SANTOS, Robert M., LT, USN  
JOUNG Il Bok, LCDR, Republic  
of Korea Navy

## MASTER OF SCIENCE IN ENGINEERING ACOUSTICS

DECKER, Wilson B., LT, USN  
HOLLIS, Stephen J., LT,  
USN

VERMANDER, Guy R.A., CAPT,  
Canadian Forces  
WELLES, Franklin G., LCDR, USN

## MASTER OF SCIENCE IN SYSTEMS TECHNOLOGY

O'CONNELL, Robert K., LT, USN

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## ELECTRICAL ENGINEER

ROMEO, Martin, LT, USN  
\*TSAVDARIS, Sotirios A., CAPT, Hellenic Air Force

## MECHANICAL ENGINEER

DUNCAN, Ralph E., LT, USN

## AERONAUTICAL ENGINEER

HATJIANASTASIOU, Konstantinos, CAPT, Hellenic Air Force

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## DOCTOR OF PHILOSOPHY

AMIR, Haim, LT, Israeli Navy



## HISTORY OF THE SCHOOL

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

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

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

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

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

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

## academic dress

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

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

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

For all academic purposes, including trimmings for the doctor's gown, edgings of 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.*

