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Outstanding Thesis Presentation Fall Quarter 1999

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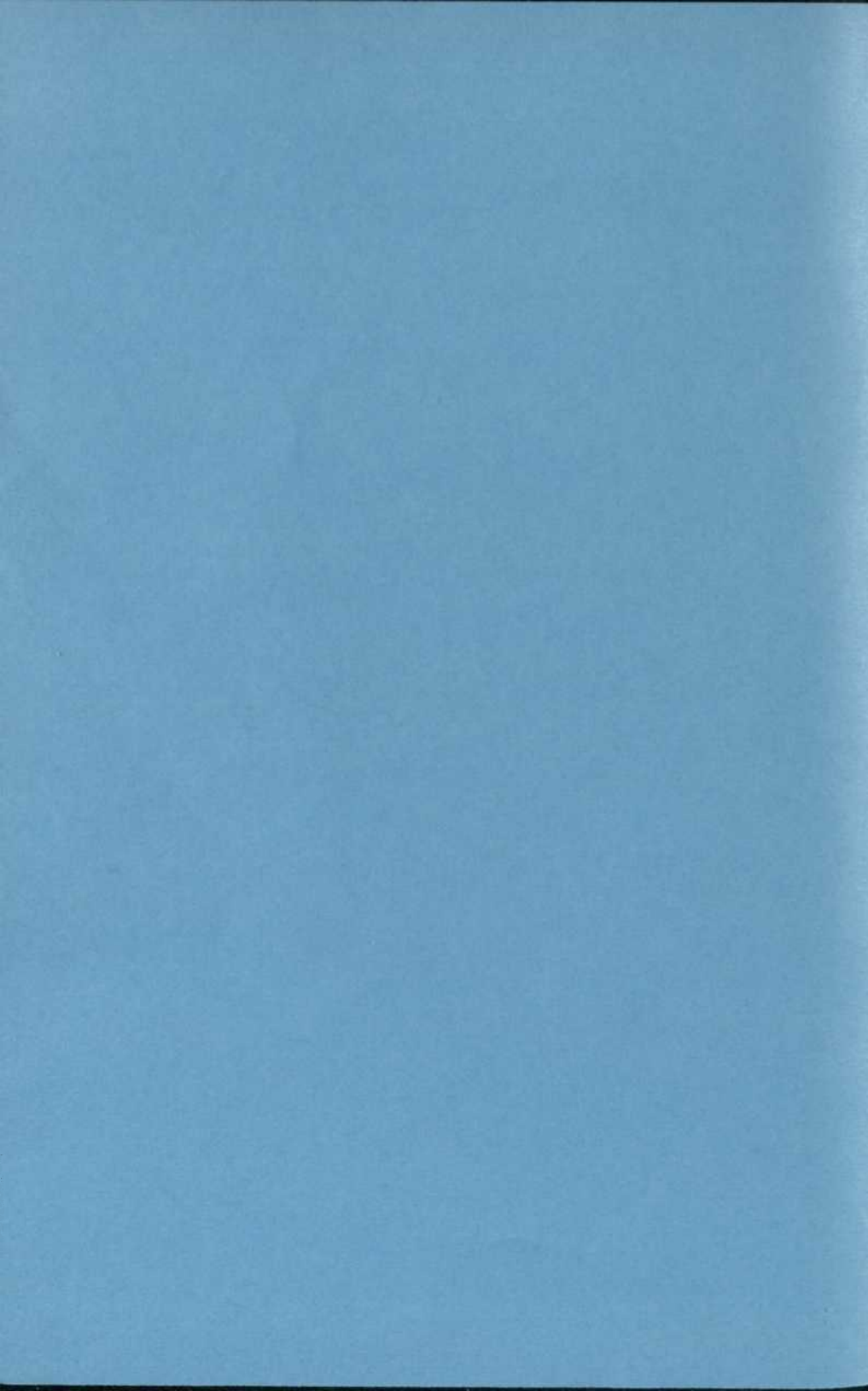
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NAVAL POSTGRADUATE SCHOOL



*Outstanding Thesis Presentation
Fall Quarter 1999*

*2:00 p.m.
Monday
29 November 1999*



**PROGRAM
NOVEMBER 29, 1999**

**Master of Ceremonies Captain Randall J. Hess
Dean of Students/Director of Programs**

**Opening Remarks Rear Admiral Robert C. Chaplin
Superintendent**

Thesis Presentations:

Major Mitchell J. McCarthy U.S. Marine Corps

Lieutenant Commander Brian Osgood U.S. Navy

Captain Eugene P. Wittkoff U.S. Marine Corps

Lieutenant Commander Thomas V. Evanoff U.S. Navy

**Presentation of Awards Rear Admiral Chaplin
Doctor Richard S. Elster, Provost**

SYSTEMS MANAGEMENT

MAJOR MCCARTHY, USMC

“U.S. Marine Corps KC-130J Tanker Replacement Requirements and Cost/Benefit Analysis”

Thesis Advisor: Associate Professor Bill Gates

Major McCarthy is a native of Texas and a 1987 graduate of Texas A&M University, where he majored in Accounting and was commissioned as a 2nd Lieutenant in the United States Marine Corps. After completing The Basic School in 1988, he attended the Field Artillery Officers Basic Course in Fort Sill, Oklahoma. In 1989, he reported to Battery Q, 5th Battalion, 11th Marines, 1st Marine Division, 29 Palms, California and served as the Guns Platoon Commander, Fire Direction Officer and Executive Officer. He was also Commanding Officer of Headquarters Battery. From 1991 to 1994, he served as a Tactics Instructor, then Staff Platoon Commander at The Basic School. In 1995, he attended the Advanced Artillery Officer School, Fort Sill, Oklahoma and reported to 5th Battalion, 10th Marines, 2nd Marine Division as the Battalion Logistics Officer and Commanding Officer, Battery S. He then reported to the 10th Marine Regimental Headquarters as the Regimental Operations Officer and Assistant Operations Officer. Major McCarthy enrolled in the Naval Postgraduate School in 1998 to pursue a Masters Degree in Management Science (Material Logistics and Financial Management). Personal decorations include the Navy and Marine Corps Commendation medal (2 awards), the Navy and Marine Corps Achievement Medal, and the Combat Action Ribbon. He is a member of the Honorable Order of Saint Barbara, the patron Saint of Artillerymen. Major McCarthy is married to the former Miss Cynthia Courtenay Wells of Devine, Texas. They have one son Jacob, 18.

ENGINEERING AND TECHNOLOGY

LIEUTENANT COMMANDER OSGOOD, USN

“Oscillating Flow About Perforated Cylinders”

Thesis Advisor: T. Sarpkaya, Distinguished Professor

Lieutenant Commander Osgood was born in New Jersey and spent most of his youth in Melbourne, Florida. While attending the University of South Florida, he entered the Navy through the NUPOC program. Following graduation, he attended OCS and received his commission in 1986. After completing the nuclear training pipeline, he completed the Submarine Officer's Basic Course (SOBC) en route to his first submarine, the USS JOHN C. CALHOUN (SSBN 630). He served onboard the CALHOUN in various billets including Electrical Officer, Damage Control Assistant and Main Propulsion Assistant (MPA), while earning his submarine qualifications. In 1991, he was assigned to the PCU HAMPTON (SSN 767), where he served as the initial manning MPA and Chemistry and Radiological Assistant. From 1992 to 1994, he was assigned as a Tactics Instructor at the Naval Submarine Training Center Pacific (NSTCP) where he became a resident expert at Over the horizon targeting and mine warfare. In 1994, he completed the Submarine Officers' Advanced Course en route to his assignment as the initial manning Navigator/Operations Officer onboard the PCU WYOMING (SSBN 742). He took the ship through crew certification and sea trials before becoming the fill crew NAVOPS Officer. From 1996 to 1998, he served as the gold crew NAVOPS Officer, completing shakedown operations and the USS WYOMING's first strategic deterrent patrol. He qualified for submarine command during this tour. From 1998 to present, he attended the Naval Postgraduate School in the Mechanical Engineering curriculum. While attending the Naval Postgraduate School, he transferred to the Engineering Duty community. Lieutenant Commander Osgood's awards include the Navy Commendation Medal (2 awards) and the Navy Achievement Medal (3 awards). He is married to the former Annette Willis of Satellite Beach, Florida. They have two children, Rebecca and Nicholas.

NATIONAL SECURITY AFFAIRS

CAPTAIN EUGENE P. WITTKOFF, USMC

“Amazon Surveillance System (SIAM): U.S. and Brazilian Cooperation”

Thesis Advisor: Professor Thomas Bruneau

Captain Wittkoff was born in Sao Paulo, Brazil on 12 December 1967, from American parents. He received a Bachelor's degree in Business from Pepperdine University in 1991, and was commissioned through UCLA's ROTC program. He became the intelligence officer upon completion of Basic School, Quantico, Virginia in 1991. In 1992, he completed the Navy-Marine Intelligence Training Course (NMITC) in Dam Neck, Virginia. He served in the 11th Marines at Camp Pendleton from 1992-1995. From 1995-1998, he served with the U.S. Central Command. He received a Masters Degree in Public Administration from Troy State University and reported to the Naval Postgraduate school to earn a Masters in the National Security Affairs, Western Hemisphere curriculum in 1998. Captain Wittkoff's personal awards include the Navy Commendation Medal and the Joint Commendation Medal. After graduation, Captain Wittkoff will report to Marine Forces South, Miami, Florida.

OPERATIONS ANALYSIS

LIEUTENANT COMMANDER Thomas V. Evanoff II

“Analysis and Design of a Shipboard Visual Navigation Aid for Vessels in Formation”

Thesis Advisor: Assistant Professor William K. Krebs

Lieutenant Commander Evanoff was born in Detroit, Michigan. He graduated from the Illinois Institute of Technology in 1987, with a dual Bachelor of Science Degree in Mechanical Engineering and Aerospace Engineering. He received his commission through the ROTC program as an Ensign in the United States Navy. LCDR Evanoff is a Surface Warfare Officer and has served at sea as Electronic Warfare Officer, Electronic Material Officer, and Communications Officer aboard USS GARCIA (FF-1040) and USS VINCENNES (CG-49); and Operations Officer aboard USS SOUTH CAROLINA (CGN-37). He also served ashore on the operations (N3) staff of the Commander, U.S. Pacific Fleet in Pearl Harbor, Hawaii. His personal awards include the Navy Commendation Medal (three awards), Navy Achievement medal (two awards) and he is the recipient of the Atlantic Fleet Junior Officer Shiphandler of the Year award. He is married to the former Ellen Brown of Belfast, Maine. They have two sons, Alexander and Zachary. Following graduation from NPS, he will be the Executive Officer of USS MOBILE BAY (CG-53).

