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UNITED STATES NAVAL POSTGRADUATE SCHOOL

COMMENCEMENT EXERCISES

MONDAY, 1 JUNE 1964 AT TEN O'CLOCK IN THE MORNING MONTEREY, CALIFORNIA

Superintendent
CHARLES K. BERGIN
Rear Admiral, United States Navy

Deputy Superintendent
WILLIAM H. PELLETT
Captain, United States Navy

Academic Dean
ALLEN EDGAR VIVELL
Doctor of Engineering

Director of Programs
JOHN W. MURPH
Captain, United States Navy

Dean of Programs
WILBERT FREDERICK KOEHLER
Doctor of Engineering

MISSION

"To conduct and direct the advanced education of commissioned officers, to broaden the professional knowledge of general line officers and to provide such other indoctrination, technical and professional instruction as may be prescribed to meet the needs of the Naval Service. In support of the foregoing, to foster and encourage a program of research in order to sustain academic excellence."

PROGRAM

PROCESSIONAL GRAND MARSHAL, Professor BOYD MEWBORN

MARSHALS Professor M. L. REYNOLDS
Lieutenant Colonel H. H. STIRLING, JR., U. S. Marine Corps

NATIONAL ANTHEM

INVOCATION

Lieutenant Commander JOHN J. O'CONNOR, (CHC), U. S. Navy

INTRODUCTION OF SPEAKER

Rear Admiral CHARLES KNIESE BERGIN, U. S. Navy

ADDRESS TO GRADUATES

The Honorable PAUL B. FAY, Under Secretary of the Navy

PRESENTATION OF CAPT J. C. WOELFEL AWARD

AWARDS OF DIPLOMAS FOR COMPLETION OF CURRICULUM

Captain JOHN W. MURPH, U. S. Navy

CONFERRING OF DEGREES ALLEN E. VIVELL, Academic Dean

For the Degree of:

Presentation of Candidates by:

Bachelor of Arts	Commander E. F. O'NEIL, USNR
Bachelor of Science	Commander CARL C. SCHMUCK, USN
Bachelor of Science in Aeronautical Engineering	Professor RICHARD W. BELL
Bachelor of Science in Communications Engineering	Professor CHARLES H. ROTHAUGE
Bachelor of Science in Electrical Engineering	Professor CHARLES H. ROTHAUGE
Bachelor of Science in Engineering Electronics	Professor CHARLES H. ROTHAUGE
Bachelor of Science in Management	Commander JAMES E. RAYNES, USN
Bachelor of Science in Mechanical Engineering	Professor ROBERT E. NEWTON
Bachelor of Science in Meteorology	Professor GEORGE J. HALTINER
Bachelor of Science in Environmental Sciences	Professor GEORGE J. HALTINER
Bachelor of Science in Physics	Professor AUSTIN R. FREY
Master of Science	Professor W. RANDOLPH CHURCH
Master of Science in Aeronautical Engineering	Professor RICHARD W. BELL
Master of Science in Aeroelectronics	Professor RICHARD W. BELL
Master of Science in Chemistry	Professor GILBERT F. KINNEY
Master of Science in Electrical Engineering	Professor CHARLES H. ROTHAUGE
Master of Science in Engineering Electronics	Professor CHARLES H. ROTHAUGE
Master of Science in Management	Commander JAMES E. RAYNES, USN
Master of Science in Management/Data Processing	Commander JAMES E. RAYNES, USN
Master of Science in Mechanical Engineering	Professor ROBERT E. NEWTON
Master of Science in Meteorology	Professor GEORGE J. HALTINER
Master of Science in Operations Research	Professor THOMAS E. OBERBECK
Master of Science in Physics	Professor AUSTIN R. FREY
Doctor of Philosophy	Dean ALLEN E. VIVELL

BENEDICTION

Lieutenant Commander HARRY D. JOHNS, (CHC), U. S. Navy

RECESSIONAL

MUSIC

United States Navy Band, Twelfth Naval District
Lieutenant Junior Grade GERARD T. BOWEN, Conducting

PLATFORM PARTY

First Row (left to right)

Professor Carl E. Menneken
Administrative Assistant to Academic Dean and
Dean of Research Administration

Captain Julius F. Steuckert, U. S. Navy
Environmental Sciences Programs

Captain William H. Craven, U. S. Navy
Commanding Officer, Naval Air Facility, Monterey

Lt. Cmdr. Harry D. Johns, (CHC), U. S. Navy
Chaplain, Naval Postgraduate School

Captain Robert D. Risser, U. S. Navy
Aide and Special Assistant to the Superintendent

Captain William H. Pellett
Deputy Superintendent

Vice Admiral Earle W. Mills, U. S. Navy (Ret.)

The Honorable Paul B. Fay, Jr.
Under Secretary of the Navy

Rear Admiral Charles K. Bergin, U. S. Navy
Superintendent, Naval Postgraduate School

Dean Allen E. Vivell
Academic Dean

Captain John W. Murph, U. S. Navy
Director of Programs

Commander George T. Smith, U. S. Navy
Assistant Director for Curricular Programs

Captain J. C. Woelfel, U. S. Navy (Ret.)

Captain Edgar R. Meyer, U. S. Navy
Naval Engineering Programs

Dean Wilbert F. Koehler
Dean of Programs

Lt. Cmdr. John J. O'Connor, (CHC), U. S. Navy
Chaplain, Naval Postgraduate School

Dean Lawrence E. Kinsler
Dean of Curricula

Captain John W. Shong, U. S. Navy
Director of Administrative and Logistic Services

Dean Roy S. Glasgow
Dean Emeritus

Captain James B. Hildreth, U. S. Navy
Naval Aide to Under Secretary of the Navy

Second Row (left to right)

Dean Brooks J. Lockhart
Dean of Academic Administration

Commander Donald R. Schaffer, U. S. Navy
Ordnance Engineering Programs

Commander Donald F. Milligan, U. S. Navy
Electronics and Communications Engineering Programs

Commander Melvin E. Hirschi, U. S. Navy
Aeronautical Engineering Programs

Professor Robert G. Giet
Fellow

Commander James E. Raynes, U. S. Navy
Department of Management

Professor Robert E. Newton
Department of Mechanical Engineering

Professor George J. Haltiner
Department of Meteorology and Oceanography

Professor Thomas E. Oberbeck
Department of Operations Research

Professor Austin R. Frey
Department of Physics

Professor Charles H. Rothauge
Department of Electronics

Professor Gilbert F. Kinney
Department of Metallurgy and Chemistry

Professor Richard W. Bell
Department of Aeronautics

Professor W. Randolph Church
Department of Mathematics and Mechanics

Commander Carl C. Schmuck, U. S. Navy
Department of Naval Warfare

Commander Emmett F. O'Neil, U. S. Naval Reserve
Department of Government and Humanities

Professor Wendell M. Coates
Fellow

Professor William D. Duthie
Fellow

Commander George M. McGee, U. S. Naval Reserve
Management Programs

Commander Bruno Mussetto, U. S. Navy
Engineering Sciences Programs

Commander John Dick, U. S. Navy
General Line and Baccalaureate Programs

In honor of the graduating students and their families, there will be a reception at the Swimming Pool commencing immediately after the ceremony. Those attending the commencement exercises are cordially invited.

GRADUATES

Diplomas of Completion

Engineering Science

JEROME B. ADAMS, LT, USN

JOHN W. ADAMS, LT, USN

RONALD J. BACKES, LCDR, USN

JAMES D. BARLOW, LCDR, USN

JOSEPH E. BEAMON, LT, USN

JOHN L. BECK, LCDR, USN

*JAMES H. BOSTICK, LT, USN

PAUL S. BRADY, LT, USNR

LYLE F. BRANCH, LT, USN

RUDOLPH T. A. BREDDERMAN, LT, USN

JAMES R. BROWN, LCDR, USN

GEORGE A. CARLTON, LCDR, USN

JOHN J. CHAMBERS, LCDR, USN

DONALD J. CHILDERS, LCDR, USN

ROBERT H. CIPPERLY, LT, USNR

JAMES R. CLARK, LCDR, USN

HERBERT F. COLENDIA, LCDR, USN

ROBERT A. COSTIGAN, LCDR, USN

PERRY L. CREW, LT, USN

WAYNE CURTIS, LT, USN

JOSEPH J. D'AMATO, LT, USN

PHILIP C. DAVIS, LT, USN

VIBERT H. DAVIS, LTJG, USN

EDWARD A. DeFELICE, LCDR, USN

JOHN D. DUNGAN, LCDR, USN

GEORGE D. ELLIS, JR., LCDR, USN

CHARLES R. FLATHER, LT, USN

WALTER H. FLEAK, LT, USN

DAVID R. FREYTAG, LCDR, USN

JERRY L. FUCHS, LT, USNR

HAROLD W. GAMBER, LCDR, USN

FRANK J. GLOECKNER, LT, USN

JAMES B. GOODWIN, LT, USN

DAVID E. GORDON, LCDR, USN

BILLIE G. GUNTER, LT, USN

BENJAMIN T. HACKER, LT, USN

WILLIAM W. HARGRAVE, LCDR, USN

JOSEPH R. HARTT, LT, USN

SHANNON D. HEYWARD, LT, USN

JAMES W. HOFFIUS, LT, USNR

JOHN D. HOLLAND, JR., LT, USN

CLARENCE D. HUGHES, JR., LT, USN

*DAVID W. IVES, LT, USN

ROBERT C. JAMES, CDR, USN

VERLYN D. JOHNSON, LT, USN

BYRON H. KEESLER, LT, USN

*JOHN M. KERSH, LT, USN

FREDERICK L. KEYSER, LT, USNR

THAD L. KOPEC, LT, USN

HERBERT B. KUYKENDALL, LT, USN

CHARLES M. LAKE, LCDR, USN

RAYMOND A. LAMBERT, LT, USN

WILFRED E. LANGELIER, LT, USN

LEONARD F. LEE, LT, USN

MAURICE T. LeGARE, LT, USN

CHARLES W. LOCKHART, LT, USNR

ROBERT B. LUZADER, LCDR, USN

HOWARD C. LYSNE, LT, USN

* In Absentia

ENGINEERING SCIENCE (Continued)

ROBERT P. MACK, LCDR, USN
JAMES A. MAJOR, LT, USN
ROBERT S. MALONE, LT, USN
DURWARD B. MOMMSEN, JR., LTJG, USN
GILBERT F. MURPHY, JR., LCDR, USN
JAMES M. McCULLOCH, LT, USN
JOHN P. McQUILLIN, LCDR, USN
ERIC A. McVADON, LT, USN
RICHARD L. PARKER, LT, USN
DAVID F. PARRISH, LT, USN
JOHN E. PAUL, LCDR, USN
EDMUND J. PERESLUHA, LT, USN
CHARLES H. PETERS, LCDR, USN
ROBERT A. PHILLIPS, LCDR, USN
RODNEY G. PHIPPS, LTJG, USN
WALTER T. PIOTTI, JR., LT, USN
WILLIAM M. PITT, LTJG, USN
DAVID C. PORTER, JR., LT, USNR

JOSEPH C. RAMSDALE, LT, USN
RONALD A. RESARE, LT, USN
WALTER V. ROESER, LT, USN
ROBERT E. RUMNEY, LT, USN
STEPHEN F. SCHROEDER, LT, USN
FORD J. E. SCHULTZ, LCDR, USN
FREEMAN J. SINGER, LCDR, USN
CLIFFORD R. SMITH, LCDR, USN
ST. CLAIR SMITH, LCDR, USN
THOMAS G. SMITH, LCDR, USN
WALTER H. STAMMER, JR., LT, USN
HUBERT J. STRACHWITZ, LT, USN
GENE A. STROMMEN, LT, USN
JOHN S. VICCELLIO, LT, USN
ANGALENA F. WALTERS, LT, USN
JOHN E. WHITE, LCDR, USN
CHARLES K. WILLIAMS, LCDR, USN
WILLIAM B. WRIGHT, LCDR, USN

General Line

ERASMO D. ANCHETA, LT, Republic of Philippines
Navy
MELAKU DAGNE, LT, Imperial Ethiopian Navy
VU TRONG DE, LTJG, Vietnamese Navy
SIAMAK DEYHIMI, LT, Imperial Iranian Navy
FARID FIUZI, LTJG, Imperial Iranian Navy
LUIS A. FREIRE, LT, Peruvian Navy
HUGO HERRERA N., LCDR, Ecuadorian Navy
NASSER JAHANBANI, LT, Imperial Iranian Navy
KOSASIH JUSUF, LT, Indonesian Navy
KASSAHUN YEMANE, LT, Imperial Ethiopian Navy

HOSHANG KHATIBI, LT, Imperial Iranian Navy
MASSOUD MOEZZI, LCDR, Imperial Iranian
Navy
SANTIPARB MOOMING, LTJG, Thailand Navy
FUMIMARO NAKAMURA, LTJG, Japanese
Maritime Self Defense Force
LUIS SALAZAR, LCDR, Ecuadorian Navy
T. D. V. SITUMEANG, LT, Indonesian Navy
OSCAR J. TALEON, LTJG, Republic of Philippines
Navy
NGUYEN TAM, LT, Vietnamese Navy

Management/Data Processing

RICHARD G. ADAMS, LT, USN
JOHN D. HARTLEY, LCDR, USN
RALPH A. JENKINS, LCDR, USN

CHARLES C. SWANKE, CDR, USN
SAMUEL G. WERBEL, LT, USN

Technical

*RONALD M. CASEY, LT, USN
ROBERT M. DEFFENBAUGH, CDR, USN
JON C. DILWEG, LCDR, USN
ROBERT H. EATON, LT, USN
WARREN R. ELLSWORTH, JR., LT, USN
JOHN P. GORZELANSKI, LT, USNR

JOHN R. LINCOLN, LT, USN
LEON J. PINGEL, LT, USN
FREDERICK N. STEINER, LT, USN
JOHN H. THORP, LCDR, USN
FELIX E. VILLASANA, LCDR, Venezuelan Navy

Bachelor of Arts

GERALD H. BARKALOW, LCDR, USN
*CHARLES L. BUSH, LCDR, USN
JOSEPH S. COLEMAN, JR., LT, USN
*FRED O. CORNETT, LT, USN
J. R. DOUGLAS, LCDR, USN
*GLENN L. GADDIS, LCDR, USN

NORMAN L. HANEY, LT, USN
*JOSEPH A. JURKOWSKI, LCDR, USN
GENE A. MARTIN, LCDR, USN
HARRISON B. PAISLEY, LCDR, USN
EUGENE L. POLLMANN, LT, USN
HAROLD H. STIRLING, JR., LTCOL, USMC

Bachelor of Science

CURTIS O. ANDERSON, LCDR, USN
PETER A. BANKS, LT, USN
JOHN R. BELLINGER, LT, USN
*JOHN F. BRENNAN, JR., LT, USN
GLEN G. DeBRODER, LT, USN
MAURICE H. DESSEYN, LCDR, USN
JAMES M. DUNLOP, LT, USN
THEODORE A. FISCHER, JR., LT, USN
JAMES L. FITZGERALD, JR, LT, USN
JAMES H. FORESMAN, III, LT, USN
JOHN P. GARTLAND, CDR, USN
ELTON E. GUFFEY, LCDR, USN
RAY S. HARDY, JR., LT, USN

THOMAS J. HARPER, LT, USN
*JACKSON D. HILL, LCDR, USN
GRAFTON R. McFADDEN, LCDR, USN
CHARLES L. MESERVE, LCDR, USN
JOSEPH METCALF, III, LCDR, USN
JAMES W. NEWCOMB, JR., LT, USN
NORMAN L. PEMBER, LT, USN
CHARLES R. ROBERTS, LT, USN
WILLIAM E. SMITH, JR., LT, USN
CLYDE H. VAN LANDINGHAM, JR., LT, USN
*RAYMOND R. VEHORN, LT, USN
ROBERT L. WILLIAMS, LT, USN

Bachelor of Science in Aeronautical Engineering

JOHN B. ACEY, CAPT, USMC
STANLEY R. ARTHUR, LT, USN
CHARLES D. BURTON, LT, USN
FRED J. CONE, CAPT, USMC
*FRANCIS L. CUNDARI, LT, USN
FRANCIS B. DE GRESS, III, LT, USN
RICHARD L. DENNIS, CAPT, USMC
DOUGLAS J. DENTON, LT, USN
NEIL DONOVAN, LT, USN

STEPHEN S. EISENHAEUER, CAPT, USMC
JAMES A. EVANS, LT, USN
RICHARD J. FELLINGHAM, LTCOL, USMC
RICHARD A. FIDLAR, LT, USN
WILLIAM J. FINNERAN, LCDR, USN
JOHN W. FLIGHT, JR., LT, USN
ROBERT J. GAGE, LT, USNR
RICHARD C. GENTZ, LT, USN
WALTER V. HOGAN, LCDR, USN

* In Absentia

BACHELOR OF SCIENCE IN AERONAUTICAL ENGINEERING (Continued)

GLEN W. HOSTETLER, LT, USN	ELTON C. PARKER, JR., LT, USN
LEO G. HYATT, LT, USN	THOMAS R. RILEY, JR., LT, USN
ERNEST W. JAMES, LT, USN	JOHN A. ROGERS, II, CAPT, USMC
*RICHARD L. KOMP, LT, USN	RAYMOND D. SLINGERLAND, LT, USN
DOUGLAS S. MAYFIELD, LT, USN	ROBERT E. SOLLIDAY, CAPT, USMC
*EDMUND W. MELVIN, LT, USN	PAUL M. STURM, LT, USN
WAYNE W. MILLER, LT, USN	ROBERT F. WEILAND, LT, USN
"L" "D" NAGEL, LT, USN	LAURENCE A. WHITE, JR., LT, USN

Bachelor of Science in Communications Engineering

JOHN L. BOSSERT, LT, USN	DAVID S. McMASTER, LT, USN
ROBERT B. BROWNING, LT, USN	JOHN H. McNALLY, LCDR, USN
DOUGLAS L. CRINKLAW, LCDR, USN	JOHN R. MORGAN, LT, USN
JOHN J. DOWER, LT, USN	GEORGE E. MOTT, III, LT, USN
ANDREW F. DULIK, LT, USN	ROSS S. OLSON, LT, USN
JOHN F. GAMBOA, LT, USN	ERNEST E. OWEN, LT, USN
MARSHALL E. GILBERT, LT, USCG	EUGENE R. PUCKETT, MAJ, USMC
THAD H. HARDEN, LT, USN	RICHARD E. RUNYON, LCDR, USN
DAVID W. JAYNES, LT, USN	RUSSELL B. SCAMEHORN, LT, USN
JOHN D. JEROME, LT, USN	THOMAS J. SMYTH, CAPT, USMC
THOMAS M. KAUFFMAN, MAJ, USMC	LARRY E. TELFER, LT, USCG
THOMAS D. LeBLANC, LT, USN	JOHN D. THOMAS, LT, USN
DAVID E. LEWIS, LCDR, USN	GEORGE F. WARREN, CAPT, USMC
RONALD G. MALONE, LT, USCG	ROBERT W. WHITE, LT, USN
HENRY W. MARBOTT, LCDR, USN	JOEL K. WORLEY, LT, USN

Bachelor of Science in Electrical Engineering

VASILIOS L. ALEXANDROPOULOS, LT, Royal Hellenic Navy	CLIFFORD E. CHURCH, JR., LCDR, USN
AUGUSTO S. BRITO ASCANIO, LCDR, Venezuelan Navy	JAMES M. CLARK, LT, USN
GARLAND O. AUDILET, LT, USN	THOMAS E. DARBY, JR., LT, USN
*RAYMOND D. BENNETT, LT, USN	JOSEPH G. DEMAREST, III, LT, USN
*CHARLES E. BIELE, JR., LT, USN	JEFFERSON R. DENNIS, JR., LT, USN
*PEVERIL BLUNDELL, LCDR, USN	JAMES E. J. DYKES, LT, USN
PETER B. BOYNE, LT, USN	HAROLD E. EDDLEMAN, LT, USN
RANDALL R. BROWN, LT, USN	HAL R. ELLIS, III, LT, USN
THOMAS B. BUELL, LT, USN	*BRUCE S. FLEMING, LT, USN
FREDERICK D. BUTTERFIELD, LT, USN	CHARLES H. GARRISON, JR., LT, USN

* In Absentia

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (Continued)

STAVROS K. GOKAS, LT, Royal Hellenic Navy	RONALD E. RAU, LT, USN
PIERRE L. GODEFROY, LT, USN	KENNETH F. ROBINSON, LT, USN
MICHAEL "E" GOODMAN, LT, USN	MARIO E. SANCHEZ-CARRION C., LT, Peruvian Navy
ROGER W. GREER, CAPT, USMC	TOMMY D. SAWYER, LT, USN
WILLIAM R. HEYDUCK, LT, USN	THOMAS U. SEIGENTHALER, LT, USN
JOHN A. HOLT, III, LT, USN	*DAVID N. SIBLEY, LT, USN
FREDERIC N. HOWE, JR., LT, USN	ARNOLD M. SILVERMAN, LCDR, USN
HAROLD C. HUNTER, LT, USN	LOWELL P. STONE, LT, USN
RONALD F. INGRAM, LT, USN	FRANCIS H. STOODLEY, LT, USN
IWAO ISHIHARA, LT, Japanese Maritime Self Defense Force	THADDEUS O. WALKER, JR., LT, USN
JAMES W. KING, LT, USN	RONALD L. WATERS, LT, USN
JAMES F. LAMORE, LCDR, USN	ROBERT L. WHITMIRE, LT, USN
TERRENCE M. MAHONY, LT, USN	JOHN A. WILLIAMS, LCDR, Royal Canadian Navy
DONALD L. MARTIN, LT, USN	*JAMES R. WILLIAMS, LT, USN
KENMORE R. McMANES, LT, USN	DAVID G. WILSON, LT, USN
RICHARD J. MIELDAZIS, LT, USN	FRANCIS G. WOODS, LT, USN
ROBERT J. MUNN, JR., LT, USN	WILLIAM W. ZEITLER, LT, USN
WESLEY L. RALSTON, CDR, USN	

Bachelor of Science in Engineering Electronics

VIRGIL E. ALBERT, LT, USN	RONALD R. GROVE, LT, USN
CHARLES S. BOND, LT, USN	JOSE L. GUEROLA, LCDR, Peruvian Navy
FREDERICK L. BRADLEY, JR., LT, USN	CLYDE K. HOGENDOBLER, LT, USN
KENNETH C. BROWN, LT, USN	CHARLES V. JARMAN, MAJ, USMC
ROBERT H. BROWN, LCDR, USN	RICHARD S. JENSEN, LT, USN
REGINALD D. BURGERT, LCDR, USN	KUNIO KOTAKI, LT, Japanese Maritime Self Defense Force
WALTER G. CARLSON, LT, USN	CLIFFORD L. LANING, LT, USN
JOHN C. CHAMBLISS, CAPT, USMC	JACK C. LIPSCOMB, LT, USN
JACKSON S. CLARK, LT, USN	EUGENE P. LUND, LT, USN
MILTON J. COLE, LT, USN	JOHN N. MacDONALD, LT, USCG
JAMES E. CONNERTON, JR., LT, USN	HAROLD G. McAVENIA, JR., LT, USN
FORREST W. CRONE, CAPT, USMC	ENRIQUE M. AEDO, LT, Chilean Navy
PAUL W. DILLINGHAM, JR., LCDR, USN	DAVID E. MORGAN, LT, USN
NED E. DIXON, LT, USN	HAROLD G. MORRIS, JR., LT, USN
MICHAEL D. DUFFY, LT, USN	PAUL J. NELSON, JR., LT, USN
*PHILIP H. EDMUNDS, LCDR, USN	CHARLES F. PEKSA, LT, USN
BILLY M. GRIMES, CAPT, USMC	

* In Absentia

BACHELOR OF SCIENCE IN ENGINEERING ELECTRONICS (Continued)

WILLIAM D. PIVARNIK, LT, USN
WILLIAM N. PUGLIESE, LT, USN
LELAND H. SEBRING, LCDR, USN
BARTON L. SMITH, LT, USN
JOSEPH R. SPERO, LT, USN
RICHARD L. STONE, LT, USN

ARTHUR E. SUTORUS, LT, USN
HOWARD VENEZIA, LT, USN
BARTON B. WILLIAMS, LT, USN
*ARTHUR I. WILNER, LT, USN
SANG IN YI, LT, Republic of Korea Navy
ALLEN M. ZOLLARS, JR., LT, USN

Bachelor of Science in Management

DAVID E. BAARSTAD, LCDR, USN
GEORGE F. BAKER, JR., LT, USN
RONALD L. BARR, LT, USN
FOY H. BOUKNIGHT, LCDR, USN
HENRY F. BOYLE, JR., LCDR, USN
ELWOOD A. CARMER, CDR, USN
EDWARD M. DASSLER, LCDR, USN
*FRANCIS X. DOWD, LCDR, USN
JAMES FREEMAN, CDR, USN
*PAULINE M. HARTINGTON, LCDR, USN
GEORGE W. JENSEN, LT, USN
WILLIAM A. KEARNS, JR., LCDR, USN
FRANKLIN N. KLINGBERG, CDR, USN

RUSSELL E. McJUNKIN, JR., LCDR, USN
DONALD G. MORGAN, LCDR, USN
RONALD D. MORIN, LCDR, USN
*WILLIAM H. NEWMAN, LCDR, USN
VERNON E. O'RILEY, LCDR, USN
JACK J. PALMER, LT, USN
ARTHUR W. PRICE, JR., CDR, USN
CHARLES E. RAWSON, CDR, USN
WILLIAM E. RICHARDS, JR., LT, USN
JAMES H. SMEDS, CDR, USN
ROY F. SMITH, CDR, USN
LYLE E. THOMAS, LCDR, USN
ROBERT M. THOMPSON, CDR, USN

Bachelor of Science in Mechanical Engineering

*JAMES W. BLANCHARD, JR., LT, USN
ROBERT BRAZZON, LT, USN
THOMAS F. DEGNAN, LT, USN
CARL E. GIESE, JR., LT, USN
FREDERICK K. GLASER, LT, USN
NEIL F. GROEPLER, LT, USN
ALEJANDRO C. BRAS HARRIOTT, LTJG,
Argentine Navy
ERIK AKSEL KRUSE, LT, Royal Norwegian Navy

IRAJ NOURBAKHSI, LT, Imperial Iranian Navy
WILLIAM A. REHDER, LT, USN
ROBERT J. REIN, LT, USN
HOLLIS E. ROBERTSON, LT, USN
*LAWRENCE T. ROSS, LT, USN
ROBERT H. SCHMIDT, LT, USN
SIRI SUWANWAT, LCDR, Thailand Navy
*DONALD M. WILFORD, LCDR, USN

Bachelor of Science in Meteorology

*CHARLES H. BASSETT, JR., LT, USN
STEVE V. BOGGS, LCDR, USN
WILLIAM E. CARROLL, LCDR, USN
DAVID B. CAVE, LCDR, USN
WILLIAM F. COCHRAN, LT, USN
*JOHN F. DONNELLY, JR., LCDR, USN

HARVEY H. HENDERSON, LT, USN
*HARVEY W. HERRIGSTAD, LT, USN
DONALD L. HOWARD, LCDR, USN
ALAN J. JACOBSEN, LT, USN
RICHARD J. KOEHNE, LCDR, USN
JOHN J. MALONEY, LT, USN

* In Absentia

BACHELOR OF SCIENCE IN METEOROLOGY (Continued)

THOMAS R. MURRAY, LT, USN
NEIL F. O'CONNOR, LT, USN
DON "L" OLIPHANT, LCDR, USN

FRANKLIN "D." RICHEY, 1ST LT, USMC
FRANCIS D. ROBERGE, LT, USN

Bachelor of Science in Environmental Science

CHARLES G. BASSETT, LT, USN
CHARLES A. DODD, LCDR, USN

JERRY C. PADRTA, LT, USN
JOHN P. SHEEHAN, LT, USN

Bachelor of Science in Physics

*DONALD E. BIVINGS, CAPT, USA
WAYNE R. FRITZ, LT, USN
CHAE CHUL KIM, LT, Republic of Korea Navy
HUBY A. JONES, JR., LCDR, USN
RICHARD L. LAURIE, 2ND LT, USAF
FRANCESCO A. MUSORRAFITI, LCDR, USN
CHARLES W. NEWCOMB, MAJ, USA
LEWIS W. PETTIT, CAPT, USA

JOHN D. RASMUSSEN, LT, USN
GLEN P. RAY, LCDR, USN
KELLY E. ROBINSON, CAPT, USA
LOUIS G. SASSO, CAPT, USMC
ROBERT G. SCHATZ, LT, USN
BARR S. STEVENSON, LT, USN
CLARENCE O. TAFF, JR., LT, USN
EDWARD C. WECKEL, CAPT, USA

Master of Science

*ALLAN G. BROOKES, JR., LT, USN
ROBERT W. S. CHRISTENSON, LT, USN
SAMUEL C. COLWELL, III, LT, USNR
BERNARD F. CZAJA, LCDR, USN
CHARLES L. DAVIS, LT, USN
CLEVELAND L. DUNNING, CAPT, USMC
RONALD E. EVANS, LT, USN
CHARLES F. HAGER, LCDR, USN
WILLIAM C. KNODLE, LT, USN
JAMES E. KOEHR, LT, USN
HAROLD R. LAMBRIGHT, LT, USN
JOHN R. McDONNELL, LT, USN

RICHARD P. MEAUX, LT, USN
PAUL (n) O'CONNOR, LT, USN
ROBERT F. OVERMYER, CAPT, USMC
JOHN D. ROHRBOUGH, LT, USN
ROBERT H. SCHUPPE, CAPT, USMC
COLBEN K. SIME, JR., CAPT, USMC
PETER D. SMITH, LTJG, USNR
LEONARD A. SNIDER, LCDR, USNR
CONNELLY D. STEVENSON, LT, USN
DONALD W. STEVENSON, LT, USN
THOMAS A. VAN SANT, LTJG, USNR
PAUL J. WEITZ, LCDR, USN

Master of Science in Aeronautical Engineering

DAROLD L. GUTTORMSON, CAPT, USMC
WAYNE R. OSGOOD, LT, USN

CHARLES C. ROSE, JR., LCDR, USN

Master of Science in Aeroelectronics

DEMPSEY BUTLER, JR., CDR, USN
ROBERT H. SHUMAKER, LT, USN

FRED G. SPELLMAN, LT, USN

* In Absentia

Master of Science in Chemistry

ROBERT L. WHITTAKER, LT, USN

Master of Science in Electrical Engineering

RICHARD G. CAMACHO, LT, USN

CHARLES J. DYKEMAN, LT, USN

HYON, CHON HO, LT, Republic of Korea Navy

LAWRENCE E. McCULLOUGH, LT, USN

JOHN P. McGAHAN, LT, USN

JAMES MURRAY, Instructor

*GORDON C. NASH, JR., LT, USN

MARSHALL J. TREADO, MAJ, USMC

PAUL L. WILSON, LT, USN

Master of Science in Engineering Electronics

PAT D. C. BARNHOUSE, LCDR, Royal Canadian Navy

ARTHUR A. BERGMAN, CAPT, USMC

ORELAN R. CARDEN, JR., LT, USN

WILLIAM C. CONNOR, LT, USN

TIMOTHY J. CRONIN, JR., CAPT, USMC

HERBERT L. DOZIER, JR., LT, USN

RICHARD D. FRIICHTENICHT, LT, USN

NEIL A. HARRIS, LCDR, USN

ROSS R. HATCH, LT, USN

GEORGE H. LEACH, CAPT, USMC

JOHN L. LIGHTSTONE, LT, USN

HAROLD L. MOONEY, JR., LT, USN

ALBERT J. PERRELLA, JR., LT, USN

*FRANCIS L. ROACH, LCDR, USN

MICHAEL J. STOFFEL, LCDR, USN

GORDON W. TINKER, LT, USN

WALLACE G. WILDER, LT, USN

ROBERT E. ZIMDAR, LT, USN

Master of Science in Management

ROBERT B. ADGENT, LT, USN

ALBERT T. BALOGH, LCDR, USN

ROSCOE L. BARRETT, JR., LTCOL, USMC

WALTER D. BONHAG, JR., LT, USN

ROGER C. BOS, LCDR, USN

ROBERT L. BREWIN, LCDR, USN

LEONARD E. BROCK, LCDR, USN

LLOYD S. CHAMBERS, JR., LCDR, USN

ALLAN W. COLLINS, LT, USN

DONALD L. CONNER, LT, USN

RICHARD M. COOK, LCDR, USN

FRANK CRAMBLET, LCDR, USN

WAYNE R. CROZIER, CDR, USN

JAMES C. DAY, JR., CDR, USN

RICHARD N. DREESE, LCDR, USN

ROBERT F. DUNN, LCDR, USN

JULES B. DuPEZA, LCDR, USCG

*DONALD L. EDWARDS, LCDR, USN

HOWARD R. EDWARDS, JR., LCDR, USN

RALPH W. EUSTIS, LT, USCG

DICK H. FRANCISCO, LCDR, USN

HENRY A. FRENCH, LCDR, USN

SEARCY G. GALING, LCDR, USN

DONALD B. GORDON, LCDR, USN

JOHN C. GUTHRIE, LCDR, USCG

JOHN W. HAIZLIP, CDR, USN

FREDERICK B. JOHNSTON, LCDR, USN

*JOSEPH A. JURKOWSKI, LCDR, USN

HARRY W. KINSLEY, JR., LCDR, USN

GEORGE J. KLUG, CDR, USN

WILLIAM N. LEONARD, JR., LCDR, USN

ALBERT P. LESPERANCE, CDR, USN

CHANTEE LEWIS, CDR, USN

WILLIAM E. LLEWELLYN, CDR, USN

THOMAS L. LONEGAN, LT, USN

*WILLIAM C. MAGEE, CDR, USN

JOHN C. MAPE, CDR, USN

* In Absentia

MASTER OF SCIENCE IN MANAGEMENT (Continued)

*ROBERT J. MARTIN, CDR, USN	KENNETH G. SMITH, LCDR, USN
PHILIP J. MASON, LCDR, USN	WILLIAM J. SNYDER, CDR, USN
PAUL F. McCARTHY, JR., LT, USN	WILLIAM R. STARK, LT, USN
*NATHAN F. McDONALD, CDR, USN	EDWARD W. THOMAS, CDR, USN
RANDOLPH MOORE, CDR, USN	RICHARD D. VAN ANTWERP, LCDR, USN
*HENRY S. MORGAN, JR., CDR, USN	RICHARD B. WAMPLER, LCDR, USN
DAVID F. MORROW, LCDR, USN	J. JENNINGS WATSON, LT, USN
THOMAS J. MULLIGAN, JR., LCDR, USN	*JAMES M. WEBSTER, LCDR, USN
RICHARD G. MURPHY, LT, USN	WILLIAM D. WESSINGER, CDR, USN
BRUCE E. PRUM, CDR, USN	JOHN E. WILDMAN, LT, USN
LOUIS L. REAGAN, LT, USN	JOHN M. WILKINSON, LT, USCG
JACK C. RICKELS, LCDR, USN	ROBERT D. WOOD, CDR, USN
WILLIAM M. RUSSELL, CDR, USN	WILLIAM B. YORK, JR., LCDR, USN
GORDON J. SCHULLER, LCDR, USN	JOAN E. ZOOK, LCDR, USN
MAURICE J. SHINE, LCDR, USN	

Master of Science in Management/Data Processing

JOHN H. BLACKFORD, LT, USN	FRANK T. MAYNARD, LCDR, USN
KENNETH R. BLAND, LTCOL, USMC	JAN S. PROKOP, LT, USN
DONALD J. DUNHAM, JR., LCDR, USN	STEPHEN R. RUTH, LT, USN
NEIL K. HANSEN, LCDR, USN	

Master of Science in Mechanical Engineering

JOHN M. BANNON, LT, USN	WILLIAM P. HAWORTH, LT, USN
GEORGE E. FINK, LT, USN	GEORGE M. LaCHANCE, LT, USN
DONALD W. FLAGE, LT, USN	*JAMES P. McMANUS, LT, USN
ANTHONY G. HARTMAN, LT, USN	FLOYD E. MORELAND, LT, USN

Master of Science in Meteorology

ROBERT F. ALDEN, LT, USN	CLAUDE D. CLOWER, LT, USN
CHARLES L. BENNETT, JR., CAPT, USAF	E. LEE GERALDSON, LT, USN
LESLIE L. BRITTEN, CWO3, USAF	FRED E. LACEY, CAPT, USMC
DONALD E. CAVERLY, 1ST LT, USMC	STANLEY P. LEWIS, CAPT, USMC
DONALD CHIN, LCDR, USN	GLENN C. ROSENBERGER, LT, USN

Master of Science in Operations Research

ROBERT H. BARTLEY, LT, USN	ROSS E. COOPER, LT, USN
PAUL A. BORNSTEIN, LT, USN	PAUL Z. CUMMINS, II, LT, USN
WILLIAM E. BUCKON, MAJ, USMC	JAMES A. GILLESPIE, LCDR, USN
BERNARD E. CLARK, CAPT, USMC	WILLIAM T. GREENHALGH, JR., LT, USN

* In Absentia

MASTER OF SCIENCE IN OPERATIONS RESEARCH (Continued)

CHARLES R. HALL, III, LT, USN	NORMAN E. PROSSER, LT, USN
COLIN P. HAMMON, LT, USN	RAWLEIGH H. RALLS, CAPT, USA
*WAYNE P. HUGHES, JR., LCDR, USN	PAUL D. ROMAN, CDR, USN
JOHN M. JOHNSTON, LCDR, USN	KENNETH B. RUSSELL, LCDR, USN
JEROME D. JULIUS, CAPT, USAF	PETER V. SCHOEFFEL, LCDR, USN
BERTRAM A. MASS, CAPT, USMC	*CHARLES J. SMITH, LT, USN
ROBERT A. McCAFFERY, LT, USN	*LESLIE STOESSL, LT, USN
*THOMAS L. MEEKS, LCDR, USN	GERALD T. SULLIVAN, LT, USN
*ROGER E. NELSON, JR., LT, USN	WILLIAM E. TODD, LCDR, USN
HAROLD NEMER, CDR, USN	JOHN L. UNDERWOOD, JR., CDR, USN
ZEANIOUS L. NEWCOMB, LT, USN	ROBERT L. WILLIAMS, LT, USN
JOHN E. NEWTON, LCDR, USN	

Master of Science in Physics

GEORGE L. BOWER, CAPT, USA	*LAWRENCE J. RATTO, LT, USN
TERRELL N. CANTRELL, 1ST LT, USAF	WILLIAM R. SENG, LT, USN
*SCOTT A. CHESTER, LT, USN	KENNETH R. SIMILA, CAPT, USA
KENNETH E. CUMBLIDGE, LT, USN	WALTER J. SLAZAK, LTCOL, USA
WALTER J. EAGER, JR., LT, USN	ROBERT L. TOPPING, LT, USN
HARLAN D. HANSON, LT, USCG	JAMES VARNADORE, LT, USN
RENE W. LEEDS, LT, USN	RUSSELL H. WEIDMAN, LT, USN
ROGER E. PERRY, JR., LCDR, USN	

Doctor of Philosophy

LIU, SHU-HSI, LT, Republic of China Navy	BUI TIEN RUNG, LT, Vietnamese Navy
FAREL M. PARAPAT, LT, Indonesian Navy	

THE U. S. NAVAL POSTGRADUATE SCHOOL

The United States Naval Postgraduate School had a modest beginning at the Naval Academy at Annapolis in 1909, at which time the first class of ten officers enrolled in the School of Marine Engineering. In 1912, the School was designated the Postgraduate Department of the Naval Academy, and the scope of its engineering curricula was broadened to include Ordnance, Naval Construction and Civil Engineering.

After a suspension of operations during World War I, the Postgraduate Department resumed operations in 1919; two years later it was officially designated the "United States Naval Postgraduate School." A further extension of its curricula and the growth of its enrollment took place in the years between the two World Wars.

In 1927, the General Line Course was started within the Postgraduate School to acquaint junior line officers with modern developments taking place in the Navy and to broaden their professional knowledge by means of integrated courses in naval science.

World War II caused an increase in enrollment in the Engineering curricula from about 125 to over 600 and a tremendous expansion of activity in contrast to the complete suspension of operations during World War I. After hostilities ceased in 1945, a program was initiated to relocate the Postgraduate School and improve its professional status. Between 1945 and 1948, legislation was passed establishing the School as a separate activity under its own Superintendent; creating the office of Academic Dean; granting the Superintendent the right to award Bachelor's, Master's and Doctor's degrees; authorizing the re-establishment at Monterey, California, and purchasing the Del Monte site. The move to Monterey was commenced in 1948 and completed in 1951.

In 1956, the Navy Management School was established as a component of the Postgraduate School. Its mission was to provide graduate education for Naval officers in the theories, philosophies and application of scientific methods of management specifically oriented to the Navy in order to advance efficiency and economy of operation afloat and ashore. In August 1960, the Management School curriculum was lengthened from a five- to a ten-month course leading to a Master's degree for those who could meet the requirements for such a degree.

In 1958, the General Line School was redesignated as the General Line and Naval Science School and a Bachelor of Science curriculum was offered to meet the educational and career requirements of selected officers who did not have baccalaureate degrees. Further developments in the undergraduate program resulted in recognition of the need for a Bachelor of Arts curriculum, which was subsequently inaugurated in the General Line and Naval Science School in August 1961.

A major internal reorganization was approved by the Chief of Naval Personnel and became effective on 3 August 1962. The three component schools were consolidated into a single unified Postgraduate School, with academic operations under the direction of a Director of Programs (military) and a Dean of Programs (civilian). The reorganization in no way changed the curricula of courses offered, but achieves unity of policy and gives emphasis to the educational programs required of the Navy.

