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LIST OF THESES
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IN PARTIAL FULFILLMENT OF
THE REQUIREMENT FOR DEGREES
FOR 1961
RESEARCH PAPER NO. 30

Foreword

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Theses are arranged alphabetically by the author's name, and include the title of the thesis, the school at which the research was accomplished, and the date when the thesis was written or was accepted for a degree.

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- Abbott, William Benjamin see Patton, Walter Buel
- Abernathy, Thomas R. see Watson, Paul B.
- A36 Aldrich, Robert G. A helium magnetometer that utilizes light-modulation.
Thesis (MS) U. S. Naval Postgraduate School, 1961.
- A372 Alforte, William A.
Tetteibach, Donald C. Proton capture resonances in sulfur.
Thesis (MS) U. S. Naval Postgraduate School, 1961.
- A435 Ammer, Henry G.
Wolff, William F. Backswitch characteristics of Indium films.
Thesis (MS) U. S. Naval Postgraduate School, 1961.
- A47 Anderson, Norris O.
Lockett, Thomas W. Steady state response of a second order servomechanism with backlash and resilience in the gears between motor and load.
Thesis (MS) U. S. Naval Postgraduate School, 1961.
- A487 Anderson, Walter I. Experimental comparison of methods of generating hot plasmas
Thesis (MS) Rensselaer Polytechnic Institute, 1961.
- A52 Andrews, Charles E.
Kotley, Roy A. Effects on maximum overshoot and settling time when backlash is present in a second order servomechanism.
Thesis (MS) U. S. Naval Postgraduate School, 1961.
- B202 Ballow, L. D.
Barry, T. M. Elastic instability of relatively thick circular cylindrical shells subjected to hydrostatic pressure.
Thesis (MS) Webb Institute of Naval Architecture, 1961.
- VF3888 Bandysh, B. J. Establishing valid criteria for successful performance at the Navy Management School.
Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
- Barry, T. M. see Ballow, L. D.
- VF3890 Bassing, B. E. An analysis of the aviation allowance list problem.
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VF3865	Bauerlein, L. P.	Command leadership affect through command management. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
VF3864	Bayer, D. A.	Formal education and the Naval Line Officer. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
B333	Becken, Bradford A.	The directional distribution of ambient noise in the ocean. Thesis (PhD) University of California, Los Angeles, 1961.
B3619	Bell, Lloyd F.	A mathematical theory of guarantee policies. Thesis (PhD) Stanford University, 1961.
VF4130	Bell, R. H.	The budget process and the Marine Corps. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
B365	Bellor, Fred J.	Pointwise bounds in parabolic and elliptic partial differential equations. Thesis (PhD) University of Maryland, 1961.
B5452	Bishop, Michael E.	Use of statistical theory in preliminary design of shipboard electrical power distribution systems. Thesis (MS) Massachusetts Institute of Technology, 1961.
VF3863	Black, C. H.	A study of preparing a ship for a Naval shipyard overhaul. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
B5459	Blaes, Carl E.	A study of geostrophic angular momentum transport by waves with periods 1 to 30 days at the 500-mb surface and a mid-latitude station. Thesis (MS) U. S. Naval Postgraduate School, 1961.
VF3862	Blair, I. W.	Leadership factors in the Naval situation. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.

B715	Borthwick, Robert B.	Some dynamic airframe stability considerations in the control problem. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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B797	Bradshaw, Erice L.	Development of an automatic monitoring program for the Control Data Corporation 1604 data processor. Thesis (MS) U. S. Naval Postgraduate School, 1961.
B7986	Brandel, William J. Willey, Robert L.	On propulsion, guidance and control in effecting satellite rendezvous. Thesis (MS) Massachusetts Institute of Technology, 1961.
B8064	Eridge, James A.	Fatigue strength reduction caused by two discontinuities at a point. Thesis (MS) U. S. Naval Postgraduate School, 1961.
E80924	Bronzino, Joseph D.	Compensation of control systems utilizing acceleration feedback. Thesis (MS) U. S. Naval Postgraduate School, 1961.
E80992	Brown, Charles O.	The installation and performance evaluation of a small supersonic wind tunnel system. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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C-60,201	Eyron, John B.	Submarine echo formation in explosive echo ranging. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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- C1943 Cane, John W. Superconducting properties of cylindrical films.
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- C205 Carloti, Bruno M. Dolphin design.
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- C262 Carothers, Philip F. An experimental investigation of the pressure distribution of air in radial flow in thin films between parallel plates
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- VF3869 Child, A. L., III Sub-Saharan Africa--New Frontier.
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- C444 Chin, Ho-Chih A numerical method of 1000-mb prognosis through prediction of thickness field.
Kuan, Chuang-Tao Thesis (MS) U. S. Naval Postgraduate School, 1961.
Pak, Ha Song
- Christmas, Walter B. see Sesler, Ralph M
- VF3860 Christoph, K. L., Jr. Proper utilization of the optar as a ship-board financial management device.
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- C479 Citerley, Richard L. An investigation to simulate the linear viscoelastic behavior of an elastomer.
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- C4825 Clark, Marlon J. The influence of winds and relative humidity on the seasonal thermocline at ocean station "P".
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- VF3859 Clay, T. C. The economic war.
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- C5325 Cole, Thomas T. Optical constants in the extreme ultraviolet.
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- C57 Collins, Ferdinand I. A mathematical model of carrier aircraft operations in anti-air warfare. Thesis (MS) U. S. Naval Postgraduate School, 1961
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- VF3858 Crawford, W. H. Airlift for peace and war. The military air transport service. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
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- C88 Cross, William F. A study of the time variation of perturbation kinetic energy at the 500-millibar level. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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- VF3870 Cywin, L. An investigation of the management functions of a shipboard commanding officer, Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
- VF3852 Daniel, J. C. Management and operation of military marine terminals. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School.
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- D171 Davis, Michael Chase Analysis and control of ship motion in a random seaway. Thesis (MS) Massachusetts Institute of Technology, 1961.
- D172 Davis, Michael Chase Optimum systems in multi-dimensional random processes. Thesis (D.Sc.) Massachusetts Institute of Technology, 1961.
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- E568 Erickson, Philip W. Electrical resistivity and Hall effect of cuprous sulfide and bismuth telluride in the temperature range from 290°K to 670°K. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- F225 Farber, Karl H. Installation and tests of General Electric Model 5GDY34C1 axial flow fan-dynamometer set. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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- VF3873 Fernald, J. A. The Naval District concept. Research Paper (MS in Mgmt) U. S. Naval Postgraduate School, 1961.
- F43 Filkins, William C. The inoculation of hypoeutectic gray cast iron. Thesis (MS) Case Institute of Technology, 1961.

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- F786 Frawley, Mildred J. Investigation of stream functions obtained through second-order geostrophic approximations. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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- G186 Gardner, Howard W. Measurement of transference numbers of the bisulfate ion in aqueous sulfuric acid. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- G256 Geary, Jack E. The effect of wind upon the mixed-layer depth. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- G265 Georgen, William M. A method for selecting optimum naval officer quotas for individual postgraduate curricula. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- VF3857 Glauser, C. J. The Navy planning and budgeting system as related to the operating forces. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
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- G62 Gowing, Richard M. An investigation of the thermal neutron cross-section for the reaction $N^{14}(n,p)C^{14}$ using a nuclear emulsion technique. Thesis (MS) Pennsylvania State University, 1961.
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- VF3874 Guion, J. E. Management theory for the Naval vessel. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.

- H105 Habermehl, Robert N.
Hughes, Douglas A. Moving striations and anode effects in an argon glow discharge.
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- Hall, J. F. see Williams, J. L.
- H1635 Hamilton, Harry D. Minimum-time ship routing by calculus of variations methods.
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- H18 Han, Kuang-Wei Phase space methods for the analysis and design of discontinuous systems.
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- H2912 Harris, Leonard H. Energy of the most loosely bound electron for ions of copper, silver, and gold.
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- VF3851 Heenan, R. D. An analysis of national transportation administration.
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- VF3850 Helms, R. E., Jr. Population problems.
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- H444 Henn, Howard R. Optimizing the decision to track in an automatic radar processor.
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- VF3849 Henson, O. A. A comparative analytical study of management education in the Navy.
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- H533 Hill, Ralph C.
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- H678 Hoge, Kenneth G. Creep behavior of a beryllium-copper alloy under cyclic temperature conditions.
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- H88 Hull, Arthur N. A method of forecasting the formation of 500-milibar blocks using statistical parameters. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- J12 Jablonski, Felix J.
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- J255 James, Joe M. Moving target effects upon matched filter correlators. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- J257 Jameson, Henry C. Zeeman Modulated Infrared communications system using helium resonance radiation. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- J37 Jayne, Gordon H.
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- K142 Kang, In Ku Analysis of magnetic amplifier with capacitive loading. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- K22 Keely, Leroy B. A preliminary design and longitudinal dynamics study of a VTOL Aircraft to operate efficiently in low altitude high speed flight. Thesis (MS) Princeton University, 1961.
- C-59,567 Keimig, Allen D., Jr.
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- Kelley, Roy A. see Andrews, Charles E.
- K44 King, John A. A study of the synthesis of 2-trifluoromethyl pyrimidines. Thesis (MS) U. S. Naval Postgraduate School, 1961.

- K505 Kirk, Donald E. First-derivative feedback compensation of control systems. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- Koonce, S. J. see Coulter, P. H.
- K868 Kruck, Frederick H. A method for the determination of optimal organization size. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- Kuan, Chuang-Tao see Chin, Ho-Chih
- K93 Kurzenhauser, Alfred Portal frame under impact loading, Thesis (MS) U. S. Naval Postgraduate School, 1961.
- L256 Lancaster, Robert W. Experimental investigation of the ignition process of solid propellants in a practical motor configuration. Thesis (MS) Princeton University, 1961.
- L47 Lehr, William E. Parker, Edwin L. A method for the design of ship propulsion shaft systems. Thesis (MS) Massachusetts Institute of Technology, 1961.
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- L52 Lenox, Glen W. Lindell, Clifford A. A flight test determination of the static longitudinal stability of the Cessna 310d airplane. Thesis (MS) Princeton University, 1961.
- L57 Levin, Roger L. The role of a displacement reaction in the kinetics of oxidation of alloys. Thesis (MS) Yale University, 1961.
- Lindell, Clifford A. see Lenox, Glen W.
- L644 Linder, Isham W. Correlation processes in antenna arrays. Thesis (PhD) University of California, Berkeley, 1961.
- VF3848 Lindsey, B. R. Fiscal policy, Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.

- L715 Liu, Kuang-Ming Pressure drop and heat transfer in a vertical internally heated annulus. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- Luckett, Thomas W. see Anderson, Narris O.
- M1643 McCalla, Thomas R. Application of the adjoint system of differential equations in the solution of the bang-bang control problem. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- M1645 McCamey, Robert E. Characteristics of some active networks. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- M1882 McGarrah, William E. A study of the effect of fluid contents and insulation on the vibratory behavior of pipe. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- M2295 MacKinnon, Malcolm
Taylor, James M. An analytic study of vibration transmission in typical shipboard installations. Thesis (MS) Massachusetts Institute of Technology, 1961.
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- M3574 Martin, Frederick V.
John, Walter, Jr. Measurement of the polarization of photo-neutrons from deuterium. Thesis (MS) U. S. Naval Postgraduate School, 1961.
- VF3876 Martinez, J. G. Simulation of an aids to navigation maintenance system. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
- M35957 Masalin, Charles E.
Ogden, Edward G. Investigation of dry friction phenomena in rotary sliding vane machinery. Thesis (MS) Massachusetts Institute of Technology, 1961.
- M366 Masterson, Kleber S. The influence of insulators on the particle density distributions with and without magnetic fields. Thesis (MS) U. S. Naval Postgraduate School, 1961.

- M375 Mathews, Donald W. Thermal buckling of a thin ring heated on the inner periphery. Thesis (Aeron Engr) Stanford University, 1961.
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- VF3877 Mayer, E. J. Automatic data processing experience and implications for Coast Guard management. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
- M426 Meeks, Robert B., Jr.
Wells, Eugene R., Jr. Feasibility of using a ternary mode for pulse torquing a pendulous accelerometer. Thesis (MS) Massachusetts Institute of Technology, 1961.
- M57 Meyer, Wayne E.
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- M675 Monk, Eugene E.
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- M965 Murphy, James F. Solid state neutron detectors. Thesis (MS) U. S. Naval Postgraduate School, 1961.

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- VF3837 Orr, R. J. An analysis of military supply systems. Research Paper (MS in Mgmt.) U. S. Naval Postgraduate School, 1961.
- P12 Pak, Chol Hui Forced vibrations of a mass on a nonlinear spring. Thesis (MS) U. S. Naval Postgraduate School, 1961.
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- P147 Paolucci, Dominic A. The effects of higher order viscosity terms on fluid flow. Thesis (PhD) Indiana University, 1961.
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- P271 Patton, Walter B. Rapid approximation of servomechanism transient response. Thesis (MS) Massachusetts Institute of Technology, 1961.
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- P327 Peebles, Edward M. The influence of mechanical vibration on free convective heat transfer from horizontal cylinders. Thesis (MS) Massachusetts Institute of Technology, 1961.
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