

LIST OF MASTER'S THESES, 1958

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| <p>AHLBORN, RICHARD EIGHME
Spanish Colonial Wood Carving in New Mexico, 1598-1848</p> <p>ATALLA, RAJAI H.
A Photographic Study of the Structure of Enclosed Turbulent
Flames</p> <p>BALLARD, GEORGE A., JR.
The Background to the Hannibalic War</p> <p>BARCZEWSKI, JOANNE KATHERINE
The Effect of Crop Residues, Cellulosic Materials and Related
Compounds on Soil Structure and Microbial Gum Production</p> <p>BEHRINGER, RICHARD DAVID
The Effects of Incentive and Affiliation in a Probability Learning
Situation</p> <p>BELDEN, LOUISE CONWAY
Humphrey Marshall, American Quaker Botanist</p> <p>BRIEFMAN, LOUISE
The Monosaccharides Isolated from the Capsules of Two
Serological Type Strains of <i>Pasteurella Multocida</i></p> <p>BROWN, IRWIN FREDERICK, JR.
Physiological Studies of <i>Botryosphaeria ribis</i></p> <p>BUERK, RICHARD KUMMER
The Functional Relationship between the Second Closure
Factor and Retroactive Inhibition</p> <p>CAMPBELL, LLOYD WAYNE
Polynomial Approximation of Analytic Functions</p> <p>CAREY, ROBERT LEE
An Economic Analysis of Mushroom Marketing</p> <p>CHANDLER, DAVID WAYNE
Appraisal of Marketing Problems of Electric Home Heating
in New England</p> | <p><i>Early American Culture</i></p> <p><i>Chemical Engineering</i></p> <p><i>History</i></p> <p><i>Agronomy</i></p> <p><i>Psychology</i></p> <p><i>American Studies</i></p> <p><i>Biological Sciences</i></p> <p><i>Plant Pathology</i></p> <p><i>Psychology</i></p> <p><i>Mathematics</i></p> <p><i>Agricultural Economics</i></p> <p><i>Business Administration</i></p> |
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- CONNOLLY, JAMES DONALD *Animal and Poultry Industry*
The Effects of Aureomycin upon the Development of Bacterial
Function in the Rumen of Dairy Calves
- CONVERSE, ALVIN O. *Chemical Engineering*
Simulation of Pulsating Compressible Flow in a Straight Pipe
with an Electronic Analog Computer
- COULTER, GEORGE ANDREW *Physics*
Pressure and Growth of Mach Configurations
- CRAIG, ROBERT GEORGE *Business Administration*
Accounting for Wasting Assets
- CREER, DORIS JEAN *Early American Culture*
Thomas Birch: A Study of the Condition of Painting and
the Artist's Position in Federal America
- DAC, LE KIM *Chemistry*
Studies on the Cofactor Requirements of Sarcosine Oxidase
- DAVENPORT, PAUL BARRY *Mathematics*
The General Solution of Systems of Simultaneous Linear
Differential Equations with Constant Coefficients
- DEDINAS, JONAS *Chemical Engineering*
Laminar Bruning Velocities and Flame Front Characteristics
of n-Butane-Air Flames
- DIEHL, ROBERT EUGENE *Chemistry*
More Evidence for the Course of Addition to the Camphene
Nucleus
- DIMELER, GLENN R. *Chemistry*
Oxidative Degradative Studies on Polyethylene and Polypro-
pylene
- DITTMAN, ROGER ROY *Physics*
Methods of Determining Neutron Spectra and Doses from
Threshold and Fission Foil Detectors
- DOUGHERTY, MARY CHRISTINE *Chemistry*
Reaction of Thiourea with an Acid Chloride
- DULING, IRL N. *Chemistry*
Enolization in Bicyclic Systems

- EHREICH, JOHN EDWARD *Chemical Engineering*
Vapor Phase Kinetic Studies of the Catalytic Hydration of Ethylene Oxide
- EMERY, RICHARD ARLEN *Sociology*
Social and Personal Factors Influencing Choice of the Episcopal Ministry as a Career
- EVANS, HENSON MICHAEL, JR. *Agricultural Economics*
Profitability of Alternate Forage Programs on Delaware Dairy Farms With Special Emphasis on Individual Farms with Different Resources
- FEVER, ALLEN FRANCIS, JR. *Plant Pathology*
Host Parasite Relationship of the Oat, *Avena Sativa* and a Root-Knot Nematode, *Meloidogyne Incognita Acrita*
- FIELD, DAVID EUGENE *Chemical Engineering*
Plate Efficiency of a Bubble Cap Tray under Simulated Vacuum Conditions
- FIELDS, MARVIN CHESTER *Chemical Engineering*
Interfacial Resistance in Gas Absorption
- FRIEND, WILLIAM LOUIS *Chemical Engineering*
Turbulent Heat Transfer Inside Tubes
- GOODLEY, GEORGE RICHARD *Chemistry*
A Study of Bis Biphenyl Chromium (I) Iodide
- GRAY, RALPH D. *History*
Delaware and its Canal, the Early History of the Chesapeake and Delaware Canal, 1769-1829
- GREEN, MARION NEIDE *English*
Theories Concerning the Tragic Catharsis
- GRUBB, RALPH CURTIS *Mechanical Engineering*
Mathematical Analysis of a Closed Loop Automatic Temperature Control System
- HAAS, ANN S. *Education*
Laboratory Demonstrations for the Junior High School General Science Course

- HAGER, FREDERICK WILLIAM *Mathematics*
An Iterative Method for the Resolustion of Non-Normal Frequency Distribution into their Normal Components
- HAMMOND, MARY KATHERINE *Political Science*
The Variable Role of the Vice Presidency
- HARRIS, HARRY N. *Electrical Engineering*
The Ionospheric E Region and its Dependency on the Sun
- HOPKINS, THOMAS LEE *Biological Sciences*
On the Breeding and Occurrence of Opossum Shrimp (Order Mysidacea) in Indian River Inlet, Delaware
- HITE, GEORGE B. *Business Administration*
An Analysis of the Application of the Large-Scale Digital Computer in Business
- HOWARD, GEORGE STARK *Mechanical Engineering*
The Determination of the Axial Position of an Interstage Bleed for an Axial Flow Compressor by the Stage Stacking Method
- HOWARD, JOHN BAKER *Economics*
Application of the Diffusion Index Approach to Industry Analysis
- INMAN, HARRY C. *Mechanical Engineering*
Solutions for Flow over a Cusp Using an Electrical Conduction Sheet Analogue
- JONES, STUART LAURIE *Chemical Engineering*
Vapor—Liquid Equilibria of the Systems Boron Trichloride—Phosgene, Chlorine—Phosgene, and Boron Trichloride—Chlorine—Phosgene
- JORDAN, DAVID PAUL *Chemistry*
Silver (II) Oxide in Organic Oxidations
- KAIER, RONALD JOHN *Chemistry*
The Ternary System Strontium Chloride-Dioxane-Water
- KOKLE, VLADIMIRS *Chemistry*
Number and Weight Average Molecular Weight of Polyethylene

- LEAVITT, ROBERT R. *Electrical Engineering*
A Bridge Circuit for Determining the Transistor Parameters h_{11} , and h_{12} , by Transient Methods
- LeBONETTE, FRANCIS ANTHONY *Mechanical Engineering*
Gas Mixtures Properties and their Effect on Turbine Performance
- LONDON, IRA THEODORE *Psychology*
The Effects of Need on the Perception of Need-Related Auditory Stimuli
- LOZIER, RAYMOND *Chemistry*
Synthesis and Bromination of Ethyl β -Cyano- δ -Hydroxy- β -(4-Quinoly) Acrylate
- MALONEY, THOMAS JOSEPH *Business Administration*
Selection, Development and Installation of a Fixed Asset Accounting System with Emphasis on the Role of Machine Accounting: a Case Study
- MASWAR *Chemistry*
Polymeric Olefins of *t*-Amyl Alcohol and Isopropylmethylcarbinol
- McHENRY, SILAS LEE *Animal and Poultry Industry*
The Influence of Certain Management Practices on Broiler Production Efficiency
- MEANS, MARY ELIZABETH *Early American Culture*
Early American Trade Cards
- MERGES, JOHN CHARLES, JR. *Chemistry*
A Study of Terpene Dimers
- MITMAN, JOHN J. *Chemistry*
Cellulose Carbamates Derived from Alkyl Isocyanates
- MILLER, ROBERT WILSON *Chemical Engineering*
Spectrophotometric Studies of a Flame Front at Low Pressure
- MORRIS, JOHN LOUD *Animal and Poultry Industry*
Efficiency of Utilization of Nutrients from Various Ratios of Concentrates and Roughages by Ruminants

- NICHOLS, ROY FRANCIS, JR. *Chemistry*
Polyurethans from Methylene (4-Phenyl Isocyanate) and Hydroxyethyl Phenols
- JAMES AULTON NONEMAKER *Early American Culture*
The New York Town House 1815-1840
- NORD, SAMUEL GILBERT *Psychology*
Time Factors in the Perception of Moving Contours
- PARKS, JOHN CLEMENT *Economics*
Elements of the Labor Force and its Environment in the Petroleum Industry
- PORTER, LOUISE MESSICK *Education*
The Wesleyan Female College, Wilmington, Delaware
- POULOS, THANOS A. *Chemistry*
Solubility Product Constants of the Silver Salts of Some Saturated Fatty Acids
- PURSELL, CARROLL WIRTH, JR. *History*
That Never Failing Stream: A History of Milling along Red Clay Creek during the Nineteenth Century
- RANIERE, LAWRENCE CHARLES *Plant Pathology*
Influence of Overhead Irrigation on Microclimate and *Colletotrichum phomoides* (Sacc.) Chester
- RICHEY, WILLIAM ARTHUR *Education*
An Inquiry into Selected Aspects of Merit Rating
- RICKLES, ROBERT NORMAN *Chemical Engineering*
Mass Transfer in Two-Phase Cocurrent Flow in a Pipe
- ROSENHOUSE, HARVEY *Chemical Engineering*
The Effect of Bubble-Tray Design on Efficiency of Gas-Phase Mass Transfer
- ROSSELLI, ANGELO A. *Mechanical Engineering*
The Effectiveness of Balance Planes in the Correction of Second Mode Vibration of Flexible Rotors
- RUBENSTEIN, LEWIS C. *Early American Culture*
Johnson Hall

- RUNKLE, JOHN CURTIN, JR. *Business Administration*
A Critical Analysis of Television as an Advertising Medium for
Detergents with Special Reference to the Proctor & Gamble
Company
- SANDERSON, THOMAS F. *Chemistry*
Preparation and Bromination of β -Cyano- δ -Hydroxycinnamic
Esters Derived from o-Xylene
- SHANDS, WAYLAND ARTHUR, JR. *Plant Pathology*
The Influence of Nitrogen and Potassium on the Relationship
of *Meloidogyne incognita acrita* and soybeans
- SHEETO, JOSEPH JOHN *Chemistry*
The Reaction of B-Benzpinacolone with Mesitylmagnesium
Bromide
- SHYLUK, SHIRLEY *Chemistry*
A Study of the Synthesis of Glycyl Iminodiacetic Acid
- SLIBEN, ROBERT J. *Education*
An Introduction to the Concept of Number (From Natural
Numbers to Integers)
- SMITH, RONALD WILLIAM *Plant Pathology*
Taxonomy, etiology, and control of *Colletotrichum piperatum*
(Ell. & Ev.) Ell. & Hals. and *Colletotrichum capsici* (Syd.)
B. & B.
- SOUKUP, ROY, JR. *Business Administration*
The Music Performance Trust Funds of the Recording Indus-
tries (1948-1957)
- SPENCER, ROBERT DIONNE *Agricultural Economics*
The Relative Costs of Prepackaging Broilers at the Processor
and Retailer Levels
- STEVENSON, ROBERT A., JR. *Biological Sciences*
The Biology of the Anchovies *Anchoa mitchilli mitchilli* Cuvier
and Valenciennes 1848 and *Anchoa hepsetus hepsetus* Lin-
naeus 1758 in Delaware Bay
- TUGEND, CHARLES FRANKLIN, JR. *Business Administration*
Portable Pensions

- VATVARS, ARTURS *Chemistry*
Mercerization of Cotton With Nitric Acid
- WADDINGTON, JOHN THOMAS *Horticulture*
Factors Affecting the Yield and Quality of the *Delus* Potato
- WAXMAN, LORRAINE *Early American Culture*
French Influence on American Decorative Arts of the Early
Nineteenth Century—The Work of Charles-Honore Lannuier
- WILLIAMS, DONALD BRUCE *Horticulture*
The Influence of Nine Apple Soil Management Systems on
Harvest and Storage Quality, Color and Finish of Fruits
- WILT, PAUL CLIFFORD *History*
The Life of the Rev. Robert Cathcart, D. D.
- WIRES, ROBERT A. *Chemistry*
The Effects on Flame Parameters When Hydrogen or Deuterium is Added to a Stoichiometric Carbon Monoxide-Oxygen Mixture
- WOLF, HERBERT OTTO *Chemical Engineering*
Correlation of Sieve Plate Efficiency as a Function of Operating Variables
- WOSTROFF, NANCY JANE *Early American Culture*
Graeme Park—An Eighteenth Century Country Estate in
Horsham, Pennsylvania