thesis review 2003

As a culminating experience for the master’s degree program, the thesis attests to the highest level of the student’s academic, scholarly, and creative abilities. Each student works under the guidance of a faculty thesis chair and committee. The resulting thesis is viewed with pride as a reflection of the scholarly promise of the student and a commitment to excellence for the university. This past calendar year, 89 students completed theses in areas as varied and original as the students themselves. What follows is a complete list of 2003 theses by college/school and some research highlights.

COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY

Animal Science and Agricultural Education

Melanie Drayer (read ABSTRACT)
Evaluation of Intact Males and Steers for Growth Performance and Meat Quality (Chair: Randy Perry)

Chris Mortensen (read ABSTRACT)
Plasma Glucose and Fructose Concentrations in Neonatal Foals in the 24 Hours Immediately Following Parturition (Chair: Anne Rodiek)

Food and Nutritional Sciences

Jia Jia Chen (read ABSTRACT)
Survival of Escherichia coli (ATCC 25922) and Natural Microflora Populations on Avocado After Exposure to High Concentrations of Gaseous Ozone (Chair: Erin Dormedy)

Kelly Kim Eichmann (read ABSTRACT)
The Effect of Routine Follow-up with a Certified Lactation Consultant or Certified Lactation Educator on the Duration of Breastfeeding (Chair: Sandra Witte)

Lynnelle Grumbles (read ABSTRACT)
Nutrition Integrity of Food-Based Menu Planning Option Menus for Elementary Schools in California (Chair: Dennis Ferris)

Steven Daniel Marko (read ABSTRACT)
Analysis of Toasted Oak Volatiles by Solid-Phase Microextraction (SPME) and Gas Chromatography Mass Spectrometry (GCMS) After Ozone Sanitization in Wine (Chair: Erin Dormedy)

Plant Science

Carlos Fandino-Lizarraga (read ABSTRACT)
Use of Sudangrass and Early Soil Testing to Optimize Nitrogen Management for Processing Tomatoes (Chair: Sharon Benes)

Mr. Mortensen’s thesis was the first study to quantify neonatal fructose and glucose concentrations in foals for the purpose of assessing environmental conditions that may affect these concentrations during the first 24 hours of life.

Mr. Marko’s thesis found that aqueous ozone is a good alternative sanitizing agent for oak wine barrels.
Rodrigo Krugner (read ABSTRACT)
Macrocentrus iridescent (Hymenoptera: Braconidae), a Parasitoid of the Obliquebanded Leafroller (Lepidoptera: Tortricidae) (Chair: Andrew Lawson)

Susan Mallek (read ABSTRACT)
Allium spp. Amendments, Soil Temperature, and Exposure Time Affect Seed Viability for Weed Management in California (Chair: Sharon Benes)

Darrin Peters (read ABSTRACT)
The Effects of Rootstocks on Vine Growth and Nutrient Levels on Four Table Grape Cultivars (Chair: Arthur Olney)

Tarcisco Ruiz (read ABSTRACT)
Lethal Temperature-Time Dosages for the Cotton Root Knot Nematode (Meloidogyne incognita), Stunt Nematode (Tylenchorhynchus spp.), and Non-Plant Parasitic Nematodes (Chair: Sharon Benes)

Mohammad Yaghmour (read ABSTRACT)
Irrigation Management and Calcium Application to Control Erwinia Diseases of Potato (Chair: James Farrar)

COLLEGE OF ARTS AND HUMANITIES

English

Purva Brown (read ABSTRACT)
Faithless in the Land of Gods-A Novel (Chair: Steve Yarbrough)

Yvette Chavez (read ABSTRACT)
The Mirror of Horror (Chair: Ruth Jenkins)

Andria Cota-Watterson (read ABSTRACT)
Monsieur Padel (Chair: Lillian Faderman)

Kate Fourchy (read ABSTRACT)
"Multiple Unity" and the Dramatist's Objectives in Tamburlaine, Edward II, Henry V, and Coriolanus (Chair: Craig Bernthal)

Mark Jones (read ABSTRACT)
Means of Persuasion: A Central Valley Catholic Experience of Doubt and Enlightenment (Chair: Cheng Lok Chua)

Jessica Kranzler (read ABSTRACT)
Stealing Wodehouse and Other Stories (Chair: Steve Yarbrough)

Daniel Lewis (read ABSTRACT)
Elizabeth Gaskell and the Struggle over Free Will (Chair: Ruth Jenkins)

Cynthia Ochs (read ABSTRACT)
Enter the Machine: A Qualitative Study Criticizing Context in Basic Writing (Chair: Anthony Michel)
Of the 15 theses completed by English Department students in 2003, seven were original collections of poetry, fiction, and nonfiction. Others analyzed the works of Shakespeare and Hemingway, Brontë and Gaskell, Whitman and Li Young Lee. Two studied innovative approaches to the teaching of basic writing.

Michelle Patton (read ABSTRACT)
Small Breathing (Chair: Corinne Hales)

Jane Reid (read ABSTRACT)
Seeing 'Heavenlie Things': Dreams and Visions in Shakespeare’s Final Plays (Chair: Craig Bernthal)

Iris Ruiz (read ABSTRACT)
Generation 1.5: A Border Culture in Ethnography (Chair: Anthony Michel)

Mary Silva (read ABSTRACT)
Becoming a Woman: The Anatomy of Portuguese Love, Work, and Death (Chair: Lillian Faderman)

Nicholas Valdez (read ABSTRACT)
The Things Most Definite: Death and Work in Ernest Hemingway’s Nonfiction (Chair: Anthony Michel)

Barbara Van Wert (read ABSTRACT)
Charlotte Brontë: Rewriting the Female Character (Chair: Ruth Jenkins)

Jason Walker (read ABSTRACT)
The Decay of the Democratic Relationship: A Contrast of "Song of Myself" and "The City in Which I Love You" (Chair: Chris Henson)

Mass Communication and Journalism

Aunchalee Bhokthavi (read ABSTRACT)
Consumer Response to Online Pop-up Advertising and Privacy: An Exploratory Study (Chair: Roberta Asahina)

Hideaki Emura (read ABSTRACT)

Jaime Kohlberg (read ABSTRACT)
Pricing Bullish Underlying Linked Securities (BULS) (Chair: K.C. Chen)

Kremen School of Education and Human Development

Curriculum and Instruction
Kathleen Thornburg (read ABSTRACT)
Developmental Content Literacy at the Secondary Level (Chair: Joan Henderson-Sparks)

Literacy and Early Education
Elizabeth Cochran (read ABSTRACT)
The Effects of Looping on the Sense of Community of Elementary Students (Chair: Shareen Abramson)

Division of Graduate Studies
California State University, Fresno
Counseling, Special Education, and Rehabilitation

Daniel Morales (read ABSTRACT)
Clients’ Perspectives on the Facilitation of Hope in Therapy: An Ethnography (Chair: Diane Gehart)

Civil and Geomatics Engineering and Construction

Jojo Butlig (read ABSTRACT)
Fate of Wastewater Nitrates and Total Dissolved Solids with Variable Land Application Rates (Chair: William Wright)

Tiffany Carter (read ABSTRACT)
The Cost-Effectiveness of Locating Survey Monuments with Global Positioning System Hand-Held Receivers (Chair: Fareed Nader)

Derrick Peckham (read ABSTRACT)
Mosaicking for Interferometric Synthetic Aperture Radar Elevation Models and Imagery Using 3-D Techniques (Chair: Riadh Munjy)

Communicative Sciences and Deaf Studies

Kim Celery (read ABSTRACT)
The Relative Effects of Personalized and Phonological Cues on the Naming Skills of Patients with Aphasia (Chair: Donald Freed)

Amie Dike (read ABSTRACT)
Teaching Print Concepts to Preschool Children with Language Disorders (Chair: Steven Wadsworth)

Tracy Funk (read ABSTRACT)
The Efficacy of Concurrent Articulation Treatment to Improve Single Phoneme Production in Children with Decreased Speech Intelligibility (Chair: Steven Skelton)

Health Science

Karen Bennett (read ABSTRACT)
Hand Washing Awareness Study (Chair: Sherman Sowby)

Javier Carrillo (read ABSTRACT)
Physicians' Basic Knowledge, Attitudes, Experience, and Training in Breastfeeding (Chair: Vickie Krenz)

Anthony Douglas (read ABSTRACT)
New Marketing Strategy: Influence of Direct-to-Consumer Advertising on Physician Prescribing Practices in Fresno and Madera Counties of Central California (Chair: Donald Pogoloff)

Evelyn Fang (read ABSTRACT)
The Effects of Bupropion on Smokers from Socioeconomically Disadvantaged Backgrounds: A Descriptive Analysis from the Data from the "No More Butts" Clinical Trial (Chair: Sandi Donohue)
Kelly Fay (read ABSTRACT)
A Background Study of the Factors That Predict Child Abuse and Neglect in High-Risk Infants
(Chair: Helda Pinzon-Perez)

Sévi Gbétowenonmon (read ABSTRACT)
Knowledge and Beliefs of a Convenience Sample of the Medical Community of the Republic of Benin
Regarding Domestic Violence as a Public Health Issue (Chair: Gerald Davoli)

Nancy Hansen (read ABSTRACT)
Job Satisfaction Levels of Public Health Nurses in the Counties of Fresno, Madera, and Tulare in
California (Chair: Helda Pinzon-Perez)

Mary Poor Hill (read ABSTRACT)
Clinical Practice Guidelines for Asthma: Use by Primary-Care Providers in Fresno, California
(Chair: Donald Pogoloff)

Michael Mikhaiel (read ABSTRACT)
The Value of Mergers and Strategic Alliances as Perceived by Community Stakeholders and Chief
Executive Officers of Hospitals in Central California (Chair: Michael Waite)

Constance Mollo (read ABSTRACT)
The Reimbursement of Cost in the Adoption of Universal Leuko-Reduction (Chair: Helda Pinzon-Perez)

Nsele Nsuangani (read ABSTRACT)
College Students' Use of the Internet for Health-Related Purposes: An Exploratory Study
(Chair: Miguel Perez)

Phyllis Reilly (read ABSTRACT)
Pica Behavior Among Participants in Women, Infants, and Children (WIC) Programs in Fresno County, California (Chair: Michael Waite)

Corbin Reynolds (read ABSTRACT)
Frequency of Cervical Pain Incidence in United States Navy and Marine Corps F/A-18 Pilots
(Chair: Michael Waite)

Theresia Rogerson (read ABSTRACT)
Bicycle Transportation Safety: Relationships Involved in Bicycle Collisions for the Fresno Clovis
Metropolitan Area of California (Chair: Michael Waite)

Shanna Treanor (read ABSTRACT)
Knowledge and Practices of Caucasian and Hispanic Parents Regarding Melanoma Detection and
Prevention (Chair: Sherman Sowby)

Kinesiology
Merrilee Conway (read ABSTRACT)
Developmental Paths of Successful Collegiate Women's Volleyball Coaches (Chair: Wade Gilbert)

Brent Hansen (read ABSTRACT)
The Meaning of Motivation and Motivational Strategies in Division I Men’s College Basketball (Chair: Wade Gilbert)
Coreen Harada (read ABSTRACT)
Comparison of Team Cohesion and Social Support Networks of Female Coeducational Versus Single-Sex Environments (Chair: Jenelle Gilbert)

Martin Palavicini (read ABSTRACT)
Incidence of Biomechanical Hip Misalignment in Runners with Repetitive Hamstring Injuries (Chair: Tim Anderson)

Brian Schulman (read ABSTRACT)
Perceived Fitness Levels of Certified Athletic Trainers in the University Setting (Chair: Rebecca Cheema)

Nursing
Margaret Mueller (read ABSTRACT)
Medication Adherence Related to Lipodystrophic Symptomatology in Persons with HIV/AIDS (Chair: Kenn Kirksey)

Social Work Education
Amy Klein (read ABSTRACT)
The Effectiveness of a Multidisciplinary Interview Center (MDIC) Forensic Interview and Its Role in the Conviction of the Perpetrator (Chair: Anne Petrovich)

Tina Nelson (read ABSTRACT)
Domestic Violence in the Navy (Chair: James Aldridge)

William Watson (read ABSTRACT)
Characteristics of Sexually Violent Predators Who Were Referred to an Intensive Treatment Unit for Disruptive Sexually Violent Predators (Chair: James Aldridge)

Biology
Isidro Fierro (read ABSTRACT)
Effects of Methyl Farnesoate in the Regulation of Gonadal Development in the Ridgeback Shrimp, Sicynia ingentis (Chair: Brian Tsukimura)

Robert Gaeta (read ABSTRACT)
Disruption of the Cell Death Protection Gene ted-9 in Caenorhabditis elegans Using RNA Interference (RNAi) (Chair: Alejandro Calderon-Urrea)

Rory McAbee (read ABSTRACT)
Distribution of Elevated Carboxylesterases in Culex pipiens Complex Mosquitoes of California (Chair: Paul Crosbie)

Pamela Scott (read ABSTRACT)
Tagging a Root Rot Resistance Gene in Pepper (Capsicum) Using DNA Markers (Chair: Jim Prince)

Mr. Gaeta’s thesis was part of a larger effort by Biology professor Alejandro Calderon-Urrea’s research team in its effort to develop nematode control strategies that are effective and environmentally friendly. The research is particularly important in the face of an expected federal ban in 2005 on the pesticide methyl bromide. Mr. Gaeta’s research focused on isolating cell suicide genes in a species of nematode that can be easily cultured in the laboratory.
**Chemistry**

**Julie Rodriguez** (read ABSTRACT)
Development of a Method to Detect Water-Soluble Accelerants in Arson Debris for Forensic Laboratories (Chair: Jarred Wagner)

In her thesis, Ms. Rodriguez developed a method that proved successful in detecting polar accelerants in arson debris, a method that adds a new procedural option for arson investigators.

**Psychology**

**Heather Berg** (read ABSTRACT)
Values-Based Character Education: A Meta-Analysis of Program Effects on Student Knowledge, Attitudes, and Behaviors (Chair: Lynnette Zelezny)

**Karla Burgos-Rodriguez** (read ABSTRACT)
Primary Language Social Skills Training (SST) with Preschool Children (Chair: Karen Carey)

**Emily Campos** (read ABSTRACT)
Social Skills Differences Between Anger-Prone and Non-Anger-Prone Individuals (Chair: Christine Edmondson)

**Nathanael Fast** (read ABSTRACT)
Social Power Strategies: The Effects of Situational Factors on Choice of Coercive, Manipulative, and Rational Influence Techniques (Chair: Robert Levine)

**Pamela Hancock** (read ABSTRACT)
The Effects of Extrinsic and Intrinsic Rewards on Second Graders' Reading Fluency (Chair: Marilyn Wilson)

**Jocelyn Hively** (read ABSTRACT)
Resilience Among School Psychologists: Applying Positive Psychology to Burnout Prevention (Chair: Marilyn Wilson)

**Aryn Jorgensen** (read ABSTRACT)
Teachers' Perceptions of Effective Professional Development: A Qualitative Study of a Science Institute (Chair: Karen Carey)

**Janelle Martin** (read ABSTRACT)
The Effectiveness of a Preschool Social Skills Program and a Comparison to a Similar Primary School Program (Chair: Marilyn Wilson)

**Joe Martinez** (read ABSTRACT)
Academic Locus of Control, Achievement Motivation, and Academic Self-Efficacy: Predicting Academic Achievement in Hispanic and Non-Hispanic Middle School Children (Chair: Robert Levine)

**Patricia Rodriguez** (read ABSTRACT)
Comparing the Development of Phonological Awareness in Proficient and Limited English Kindergartners (Chair: Beth Harn)

**Rebecca Strong** (read ABSTRACT)
Adolescent Daughters' Perceptions of Synchrony in the Mother-Daughter Relationship: Connections with Self-Concept, Academic Achievement, and Ethnic Differences (Chair: Constance Jones)

**Keith Williams** (read ABSTRACT)
Student and Teacher Reports of Bullying Behaviors (Chair: Marilyn Wilson)
**Geology**
Matthew Farris (read ABSTRACT)
Geomorphic and Hydrologic Study of Red Rock Canyon State Park, Kern County, California *(Chair: Roland Brady)*

**Marine Science**
Anurag Kumar (read ABSTRACT)
Estimation of Abundance of Blue Whale Calls off Central California Using a Seafloor-Mounted Hydrophone *(Chair: James Harvey)*

**Criminology**
Kaori Aki (read ABSTRACT)
Serial Killers: A Cross-Cultural Study Between Japan and the United States *(Chair: Eric Hickey)*

**History**
Landon Ailanjian (read ABSTRACT)
James K. Polk and the Mexican War *(Chair: Jesus Luna)*

Jon Bath (read ABSTRACT)
Franklin D. Roosevelt and the Social Security Act of 1935 *(Chair: Jill Fields)*

**Political Science**
Regina Chavez (read ABSTRACT)
The Utilization of the Mazmanian and Sabatier Model as a Tool for Implementation of eGovernment for Fresno County, California *(Chair: Mark Somma)*

Xiaodong Du (read ABSTRACT)
Comparative Study on Public Service Between the United States and China *(Chair: Mark Somma)*

Kathryn Washington (read ABSTRACT)
The Key Factors Relating to Positive Job Performance Among the Custodial Staff at California State University, Fresno *(Chair: James Aldredge)*

Kevin Wilds (read ABSTRACT)
Meiji Industrial Development: A Case Study *(Chair: Russell Mardon)*

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**Note:** Information on honors and publications for individual students listed in this document will be updated as it is received. To submit updates pertaining to any of the theses listed here (publications, presentations, etc.) email cradke@csufresno.edu.