

thesis review 2003

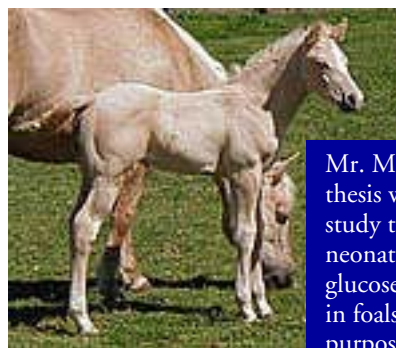
As a culminating experience for the master's degree program, the thesis attests to the highest level of the student's academic, scholarly, and creative abilities. Each student works under the guidance of a faculty thesis chair and committee. The resulting thesis is viewed with pride as a reflection of 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)



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.

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)



Mr. Marko's thesis found that aqueous ozone is a good alternative sanitizing agent for oak wine barrels.

Plant Science

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



Follow the link to read about Dean's Graduate Medalist Rodrigo Krugner

Rodrigo Krugner (read [ABSTRACT](#))

Macrocentrus iridescens (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)

Tarciscio 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)

In 2003, theses in Plant Science addressed issues of pest and disease management critical to Central Valley agriculture, sought ways to maximize efficiencies in crop production, and evaluated the effects of rootstocks on new California table grape varieties.



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)



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*)

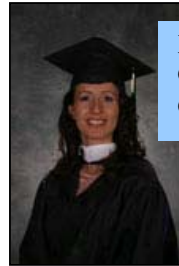
Mary Silva (read [ABSTRACT](#))
Becoming a Woman: The Anatomy of Portuguese Love, Work, and Death (*Chair: Lillian Faderman*)

Nicholas Valdez (read [ABSTRACT](#))
The Things Most Definite: Death and Work in Ernest Hemingway's Nonfiction (*Chair: Anthony Michel*)

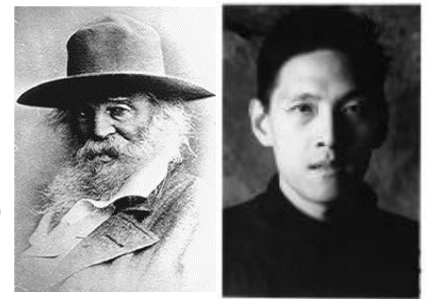
Barbara Van Wert (read [ABSTRACT](#))
Charlotte Brontë: Rewriting the Female Character (*Chair: Ruth Jenkins*)

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*)

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.



Follow the link to read about Dean's Graduate Medalist and University Graduate Medalist Mary Silva



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](#))
A Historical Evaluation of the Japanese Press Treatment of Juvenile Offenders' Identities, 1945-2000 (*Chair: Rita Atwood*)

CRAIG SCHOOL OF BUSINESS

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

KREMEN SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

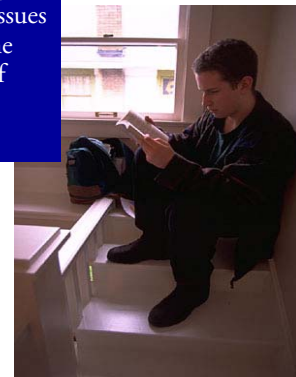
Curriculum and Instruction

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*)

Ms. Thornburg's thesis tackled issues surrounding the "quiet crisis" of adolescent illiteracy.



Counseling, Special Education, and Rehabilitation

Daniel Morales (read [ABSTRACT](#))

Clients' Perspectives on the Facilitation of Hope in Therapy:
An Ethnography (*Chair: Diane Gehart*)

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

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*)

Mr. Butlig's thesis contributed important information to the body of research and agencies working to prevent further degradation of the Tulare Lake Basin.

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*)



COLLEGE OF HEALTH AND HUMAN SERVICES

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*)

College of Health and Human Services' students produced 27 theses in 2003, addressing challenges in areas such as child abuse, HIV/AIDS, smoking cessation, asthma, melanoma, and bicycle safety.

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)

Sèvi Gbêtowenonmon (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)

In August 2003, a national advocacy and research group listed Fresno as the nation's second most dangerous city in which to breathe. Dr. Hill's thesis contributes valuable knowledge to Valley physicians treating asthma

Michael Mikhael (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 Aldredge*)

William Watson (read [ABSTRACT](#))

Characteristics of Sexually Violent Predators Who Were Referred to an Intensive Treatment Unit for Disruptive Sexually Violent Predators (Chair: *James Aldredge*)

COLLEGE OF SCIENCE AND MATHEMATICS

Biology

Isidro Fierro (read [ABSTRACT](#))

Effects of Methyl Farnesoate in the Regulation of Gonadal Development in the Ridgeback Shrimp, *Sicyonia ingentis* (Chair: *Brian Tsukimura*)

Robert Gaeta (read [ABSTRACT](#))

Disruption of the Cell Death Protection Gene *ced-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: Jarrad 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-Rodriquez (read [ABSTRACT](#))

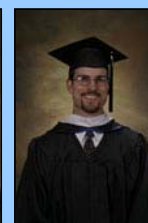
Primary Language Social Skills Training (SST) with Preschool Children (Chair: Karen Carey)

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)



Follow the links to the DGS Web site and read about Dean's Graduate Medalists Emily Campos and Nathanael Fast

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)

In her study, Ms. Hively focuses on occupational resilience and suggests an alternative approach to preventing burnout among school psychologists.

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)

COLLEGE OF SOCIAL SCIENCES

Criminology

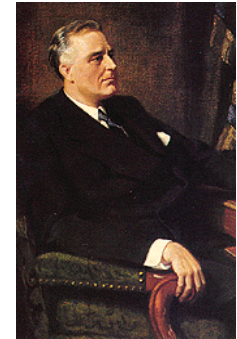
Kaori Aki (read [ABSTRACT](#))

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)

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.