

thesis review 2004

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 summer and fall 2004, 51 students completed theses in areas as varied and original as the students themselves. What follows is a complete list of Summer/Fall 2004 theses by college/school and some research highlights.

COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY

Animal Sciences and Agricultural Education

Catherine Gilbert (read [ABSTRACT](#))

The Effects of Phytoestrogen Consumption on Cattle Reproduction
(Chair: Randy Perry)

Monica Harris (read [ABSTRACT](#))

Control of Digital Dermatitis on a California Commercial Dairy With a *Treponema* Bacterin Vaccine
(Chair: Jon Robison)



Child, Family, and Consumer Sciences

Jackie Flannery (read [ABSTRACT](#))

Adolescent Drinking Tendencies in a Sample of Rural, Central California High School Students
(Chair: Michele Kilner)

Lora Reynolds (read [ABSTRACT](#))

The Evaluation and Effects of a Nutrition Course on Secondary School Students Within the Central Valley of California
(Chair: Carolyn Berry Jackson)

Food Science and Nutrition

Sholeh Shahrokhi (read [ABSTRACT](#)) ►

Evaluation of Methods Used to Calculate the Estimated Energy Expenditure for Physiologically Stressed Obese Patients
(Chair: Sandra Witte)

Sholeh Shahrokhi's belief that obese patients should not be excluded from aggressive and adequate nutrition support during acute and critical care was the foundation for her thesis. Using a case series approach, her study determined the most reliable method of calculating energy requirements for physiologically stressed obese patients. With over 30 million Americans now considered obese, Sholeh Shahrokhi's thesis offers timely original insight into a national problem.

Industrial Techology

Mario Rosso (read [ABSTRACT](#))►
The Impact of Expert Systems on the Performance
of Corporate Strategic Decision Making
(Chair: Tony Au)

Are artificial intelligence and Expert Systems (ES) now more favored than human intuition and judgment when it comes to executive decision-support activity? Mario Rosso found out in this unique thesis that asked this and other questions via Web-based survey of 68 randomly sampled executive-level decision makers.

Plant Science

Sebastian Guillen (read [ABSTRACT](#))
Developing Base Crop Coefficients for Irrigation Management of Lettuce in Relation to Canopy Growth in the San Joaquin Valley of California
(Chair: Mahlon Hile)



David Jamison (read [ABSTRACT](#))
Effects of Nitrogen Source and Amount on Lettuce Yield
(Chair: Sharon Benes)

Kimberly Senatore (read [ABSTRACT](#))
Determination of Hydraulic Parameters for Soils Irrigated With Recycled Saline-Sodic Drainage Water
(Chair: Sharon Benes)

COLLEGE OF ARTS AND HUMANITIES

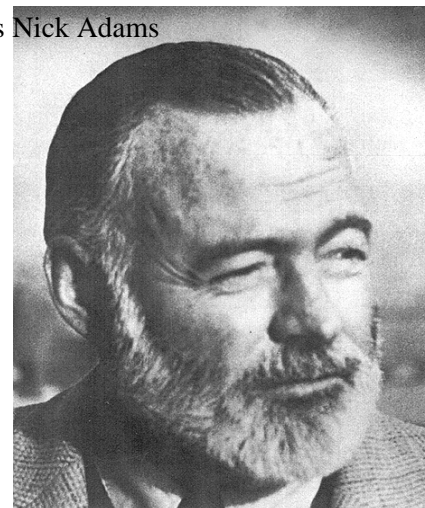
English

Sergio Casillas (read [ABSTRACT](#))
Fashioning an Academic and Social Identity in Often-Shifting Contexts
(Chair: Anthony Michel)

Karl Federspiel (read [ABSTRACT](#))
Ravenswood Blues
(Chair: Lillian Faderman)



Ethan Meyer (read [ABSTRACT](#))
In Pursuit of Happiness: The Spiritual Landscape of Hemingway's Nick Adams
(Chair: John Hales)



Michael Roberts (read [ABSTRACT](#))
The Particulars of Being ►
(Chair: Connie Hales)

Poems in *The Particulars of Being* have appeared in 18 different publications, including *The Midwest Poetry Review*, *Whetstone*, and *The California Quarterly*. The manuscript has also been published in book form by *In the Grove Press*.

Lea Steele (read [ABSTRACT](#))
The Artistry of Running
(Chair: John Hales)

Tara Valdez (read [ABSTRACT](#))
Parade of Beauties
(Chair: Steve Yarbrough)

Mass Communication and Journalism

Marietta Dalpez (read [ABSTRACT](#)) ►
Diversity Retention Strategies at American Daily Newspapers
(Chair: Paul Adams)

Shanshan You (read [ABSTRACT](#))
Envelope Journalism in China
(Chair: Gary Rice)

Marietta Dalpez surveyed 41 of the country's top 100 daily newspapers to determine the most effective human resource strategies for retaining top minority journalists.

CRAIG SCHOOL OF BUSINESS

Finance and Business Law

Frederica Dewi (read [ABSTRACT](#))
Pricing Structured Notes: The Case of Stock Participation Accreting Redemption Quarterly-Pay Securities (SPARQS) Issued by Morgan Stanley
(Chair: K.C. Chen)

Lai-Ching Kuo (read [ABSTRACT](#))
A Financial Valuation Study of Dell, Inc.
(Chair: K.C. Chen)



COLLEGE OF HEALTH AND HUMAN SERVICES

Kinesiology

Darpan Patel (read [ABSTRACT](#))
The Effect of Creatine and/or Creatine and Caffeine Ingestion on Wingate Performance and Lower Extremity Muscle Function and Recruitment
(Chair: Felicia Greer)

Kristen Mattox (read [ABSTRACT](#))
Perceptions of High School Female Athletics: The Lesbian Label, Homophobia, and Sport Participation
(Chair: Jenelle N. Gilbert)



Nursing

LaSonya Davis ►
The Prevalence of Child Obesity in the Fresno Unified School District
(Chair: Michael Russler)

Alice Evans (read [ABSTRACT](#))
Illness Representation and High-Risk Behaviors Related to Self-Care Symptom Management in Persons With HIV/AIDS
(Chair: Kenn M. Kirksey)

LaSonya Davis examined the problem of child obesity in a local school district, a timely study given recent figures released by the American Heart Association (December 2004), which show that more than 10 percent of American children from 2 to 5 are overweight, up from 7 percent in 1994.

Public Health

Phyllis Adams (read [ABSTRACT](#))

The Influence of W. E. Deming's Management Principles on Absenteeism in a Federal Public Health Inspection Project

(Chair: Helda Pinzon-Perez)

Christina Ledesma (read [ABSTRACT](#)) ▶

Female Hispanic Migrant and Seasonal Farmworkers and Their Knowledge, Attitudes, and Beliefs About Fruit and Vegetable Intake

(Chair: Miguel Perez)

Christina Ledesma's thesis is one of few research studies to address and document nutritional needs and dietary patterns of Valley farmworkers, a population vital to the economic health and welfare of the San Joaquin Valley.

Sasha Nuñez (read [ABSTRACT](#))

Perceived Health Needs of a Selected Latino Population of Low Socioeconomic Status in Fresno, California

(Chair: Vickie Krenz)

Jeff Taber (read [ABSTRACT](#))

The Effect of Mandated Food Safety Certification in Kings County, California on the Occurrence of Risk Factors Associated With Foodborne Illness

(Chair: Sandra Donahue)

KREMEN SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

Curriculum and Instruction

Tami Espinosa (read [ABSTRACT](#))

The Advantages of Looping in Elementary Education

(Chair: Joe Parks)



COLLEGE OF SCIENCE AND MATHEMATICS

Biology

Bonnie Glosier (read [ABSTRACT](#))

Characterization of *Phytophthora capsici* Isolates on Pepper for Virulence, Metalaxyl Resistance, and Mating Type

(Chair: James Prince)

Krystal Greene (read [ABSTRACT](#))

The Annual Cycle and Distribution of the Avifauna in Select Ponding Basins in Fresno, California

(Chair: Stephen Ervin)



Samantha Hageman (read [ABSTRACT](#))

Regulation of Hemagglutinin/Protease (HAP) in Classical and El Tor Biotype *Vibrio cholerae* Strains

(Chair: Alice Wright)

Monet Hudspeth (read [ABSTRACT](#))

Standardization of a Rapid Flow Cytometry Method for Yeast Antifungal Susceptibility Using NCCLS Macrodilution and Microdilution M-27A Method and the Antifungals Caspofungin and Fluconazole

(Chair: Alice Wright)

Mark Schreiber (read [ABSTRACT](#))

Cloning and Characterization of Repetitive DNA in Pepper (*Capsicum annuum*)

(Chair: James Prince)

Kurt Sterling (read [ABSTRACT](#))

Evolution of Regulatory Elements in the 2,4 Dichlorophenoxyacetic Acid Pathway

(Chair: Alice Wright)

Chemistry

Ray Dickinson (read [ABSTRACT](#))

Master Equation Calculations of Hydroxy Radical Production From Small Vinyloxy Radicals

(Chair: Alam Hasson)

Panaela Mejloumian (read [ABSTRACT](#))

Dehydration of Tertiary Alcohol

(Chair: Ronald Marhenke)

Saddam Muthana (read [ABSTRACT](#))

Measurements of Effective Henry's Law Constants for Hydrogen Peroxide in Concentrated Salt Solutions

(Chair: Alam Hasson)

Alan Preston (read [ABSTRACT](#))

Enantioselective Conjugate Addition of Thiophenol to 2-Cyclohexen-1-One

(Chair: Saeed Attar)

Samer Qutob (read [ABSTRACT](#))

Isolation and Purification of Angiogenesis Inhibitor from *Flemingia macrophylla*

(Chair: Kin-Ping Wong)

Gail Walker (read [ABSTRACT](#))

Laboratory Studies of the Solubility of Atmospherically Important Compounds in Salt Solutions

(Chair: Alam Hasson)

Geology

Kerry Workman-Ford (read [ABSTRACT](#))►

Evidence for Pre-K/T Extirpation of Marine Reptiles and Dinosaurs of the Moreno Formation, Fresno County, California

(Chair: Fraka Harmsen)

It was a busy year for the graduate program in Chemistry. Students completed seven theses in 2004, six of those in the summer and fall terms. Ray Dickinson and Gail Walker investigated air pollution in their theses, contributing to the body of work aimed at improving air quality in the Valley and beyond.



Kerry Workman-Ford's thesis is one of very few to examine the stratigraphic positions of marine reptiles and dinosaurs in Central California. Her work investigated the extinction of these organisms, specifically examining the timing of their extirpation and the factors evoked to explain their demise.

Psychology

Keri Machado (read [ABSTRACT](#))
Self-Modeling as a Treatment for Decreasing Disruptive Classroom Behavior in a 12-year-old Male Student
(Chair: Karen Carey)

Joanna Murguia (read [ABSTRACT](#))►
Effectiveness of Social Norms Marketing to Reduce Risky Drinking Behavior Among Hispanics
(Chair: Lynnette Zelezny)

Joanna Murguia used surveys and a campus-wide marketing campaign to examine and compare drinking behaviors between Hispanics and the general student population. Her thesis investigated and presented the most effective channels for communicating health information to Hispanic students in an effort to reduce risky behavior.

Robin Peters (read [ABSTRACT](#))
The Accuracy of Student, Parent, and Teacher Judgments of Student Academic Achievement
(Chair: Paul Price)

Katherine Poole (read [ABSTRACT](#))
The Gap Between Research and Practice in the Assessment of Parental Attachment in Foster Children: What Are the Current Practices and How Can They Be Improved?
(Chair: Jean Ritter)

Junko Sakai (read [ABSTRACT](#))
Imagery Mnemonic Versus Context Learning: Effects on Kanji Retention
(Chair: Karl Oswald)



According to U.S. government data, children's reading performance has not improved in over 15 years. Can graphic feedback help? Patricia Small studied Fresno schoolchildren to find out.

Patricia Small (read [ABSTRACT](#))►
Effects of Graphic Feedback on Reading Fluency
(Chair: Karen Carey)

COLLEGE OF SOCIAL SCIENCES

History

Rebecca Ibrahim (read [ABSTRACT](#))
The Roles and Status of Ancient Egyptian Women of the Pharaonic Period
(Chair: Victor Hanson)

Amy Lawrence (read [ABSTRACT](#))►
Minnie Eshleman Sherman: Agricultural Pioneer, Social Activist, City Mother
(Chair: Ephraim Smith)

Amy Lawrence investigates one of Fresno's earliest and most significant agricultural and civic leaders, Minnie Eshleman Sherman, providing what may be the most comprehensive look yet into the life of this Fresno pioneer.

Christopher McColm (read [ABSTRACT](#))►
Historical-Cultural Contexts of American Film Noir in the 1970s
(Chair: Jill Fields)



Christopher McColm examines 1970s America and how the culture influenced the film-noir genre in 12 of the decade's most notable films.

Political Science

Donna Small
Identification of Sexual Risk Behaviors Among Fresno, California Area African American High School Students
(Chair: James Aldredge)
(read [ABSTRACT](#))