

# Greetings from the President

1

Welcome to the 83<sup>rd</sup> annual convention of the Rocky Mountain Psychological Association! I am very pleased to say that we have an interesting, stellar, scholarly program this year. The RMPA Program Chair, Diane Martichuski, reported that she received an impressive 269 submissions from across the Rocky Mountain region and beyond, and these submissions have been reviewed and assembled into a tightly packed three-day program from the Teaching Take-Out session at noon on Thursday through the President' Reception on Saturday evening.

We have an outstanding slate of nationally recognized invited speakers from a wide range of subfields of psychology. On Thursday, Ken Keith will present the Wertheimer-Portenier Teaching Conference Invited Address. At 5:00PM on Thursday, RMPA Distinguished Lecturer David Buss will formally start the main convention with his opening talk, *Strategies of Human Mating*. A major highlight on Friday will be the Psi Chi Distinguished Lecture by Robert Sternberg titled *Reflections on What I have Learned from 40 Years (Gulp!) in Psychology*.

We have many other great presentations scheduled. Sue Savage-Rumbaugh will present the Gardner Memorial Lecture, Christine Chiarello will present the APA Distinguished Scientific Lecture, and the Diversity Keynote Address will be presented by Peggy McIntosh, a prominent scholar on race and gender issues. Worth Publishers will sponsor author Ronald Comer who will discuss *Teachers and Students*. Wayne Viney will present the Past-President's address, and 2013 will see the debut of our first Distinguished Alumni Address by Thomas C. Greene. In addition to these talks there will be many concurrent sessions of oral papers and posters; we expect attendees to feel challenged with choices about what to attend.

I hope that you will take advantage of the many social opportunities throughout the convention. The first opportunity to interact with invited speakers, presenters, and other scholars and students will be on Thursday at 6:00 PM at the RMPA Kickoff Reception. There will be many other opportunities, including social events sponsored by Psi Chi and the RMPA Diversity Council. The convention will close on Saturday at 5:30 PM with the combined President's Reception, Awards Ceremony, and Business Meeting. If you don't know us already, I know I speak for the Executive Committee when I encourage you to introduce yourself to us during social events, at sessions, or just in passing.

I would like to extend special thanks to the RMPA Executive Committee (Steve Barney, Layton Curl, Nancy Karlin, Diane Martichuski, Rick Miller, Bob Rycek, Cheryl Sanders, and Doug Woody), the Convention Co-Managers (Bethany Fleck and Chad Mortensen), and Susan Becker, the Psi Chi Regional VP, for the extensive time and energy they have invested to make this convention a success.



Best Regards!  
Wayne Weiten, RMPA President

## Greetings From Metropolitan State University of Denver

On behalf of the Metropolitan State University of Denver (MSU Denver) Department of Psychology, I am delighted to welcome you back to Colorado for the 83<sup>rd</sup> Annual Convention of the Rocky Mountain Psychology Association (RMPA). We are honored to serve as the host university and wish everyone an enjoyable, productive, and memorable conference!



MSU Denver is an exciting place to be! Our main campus is located in downtown Denver. Come visit our campus in the heart of the city, and take time to enjoy the wide range of excellent dining options, relax at Elitch Gardens Amusement Park, or stroll along the 16<sup>th</sup> Street mall. Other points of interest include the Museum of Nature and Science, Denver Botanic Gardens, the Denver Zoo.

Here at MSU Denver we say, “We educate Colorado!” and we mean it! Our University has grown to over 23,000 students and educates more undergraduate

Coloradans than anyone else in the state. Over 75% of our alumni live and work in Denver or the surrounding area.

The Department of Psychology is one of the largest, most vigorous academic units on campus with over 1,400 majors in Psychology and Human Development. We also have over 400 students minoring in Psychology. The Department is staffed by 24 full-time faculty members in the four core area groups of Clinical, Developmental, Experimental and Social Psychology. We are joined by over 40 professionals from the community, teaching as part of our talented affiliate faculty team. Together we provide a variety of on-campus, hybrid, and online course formats. For over forty years we’ve provided an affordable, comprehensive program in psychology, educating future professionals in Colorado, the US, and the larger world.

Additionally, our students have opportunities to join a wide range of active clubs including the Psi Chi Honors Society, Human Development Club, and most recently our Sports Psychology Club. The Department’s Research Club is one of the most active on campus, with dozens of annual peer-reviewed presentations at the Rocky Mountain Psychological Association. We also have an active Journal Club, exploring cutting-edge research, and a new Clinical Club for those interested in learning more about psychology’s largest employment field.

On behalf of the Department, I hope that you will explore all of the opportunities that await you in Denver at RMPA. The conference affords faculty and students an excellent venue to network, present their research to a wide audience, and stay up-to-date on pedagogy and research throughout the field of Psychology.

Layton Seth Curl, PhD  
Associate Professor & Chair  
Department of Psychology  
Metropolitan State University of Denver (MSU Denver)

## Eighty-Third Annual RMPA Convention

### Table of Contents

Conference Layout	Inside Back Cover
Greetings from the RMPA President	1
Greetings from our Sponsoring University	2
General Information	4
RMPA Executive Committee	6
2013 Program Review Committee	7
Summary of Events	8
Pre-Convention Activities	13
Portenier/Wertheimer Conference	14
<i>Descriptions of Main Conference Presentations and Activities</i>	
Thursday	28
Friday	32
Saturday	69
RMPA Mentor Awards	96
RMPA Early Career Awards	99
2013 RMPA Student Paper Award Finalists	120
2013 Psi Chi Award Recipients	122
Distinguished Service Award Recipients	123
Past Presidents of RMPA	124
RMPA Convention Sites	126
Condensed Daily Programs	127
Index of Participants	130

# GENERAL INFORMATION

## Location:

All regular meetings will be held at the Renaissance Denver Hotel (303-399-7500). The main speakers will present in the Colorado Ballroom C while break our sessions are in the Ballroom A & B, Big Thompson, Platte Rover, Boulder Creek, Cheery Creek, Durango, and Steamboat rooms, among others. Please consult the hotel wall reader boards next to each meeting room in the Conference Center for each day's events with rooms and times.

## Information and Messages:

A bulletin board for messages and announcements is located near the registration tables. Please feel free to use it to communicate with your colleagues.

## Internet Access:

There is free wireless Internet access in the meeting rooms and public areas. Ask for the Wireless Internet password when you check in.

## Handicapped Access:

All conference rooms at the Renaissance Denver Hotel are handicapped accessible. The restaurants, bars, and lavatories are also accessible. Persons needing special accommodations should stop at the conference registration tables and should make their needs known to the hotel during check-in.

## Exhibitors:

The exhibits are all located in the Colorado Ballrooms A and B, along with the poster sessions. A list of all exhibitors is provided in the program. Exhibitors provide support for the RMPA convention and the best way to say "thank you" is with your patronage.

## Smoking:

Smoking is not permitted in the Renaissance Denver Hotel.

## Registration:

On-site registration will begin at 7:00 p.m. on Wednesday. The registration desk is located in the Conference Center hallway. Admission to the convention sessions is only available to those who register. **Please wear your identification badge to ensure admission to the scheduled program activities.** Registration times are as follows:

Wednesday: 7:00 pm – 10 pm  
 Thursday: 8:00 am – 7:30 pm  
 Friday: 7:30 am – 7:30 pm  
 Saturday: 7:30 am - 11:30 am

## Getting Around in the Denver Area:

There are free shuttles to and from the Denver International Airport. There are taxi services from the hotel to downtown Denver and surrounding restaurants/attractions.

## On-site registration fees are:

Lifetime members:	\$75.00
Members:	
Dues paid:	\$75.00
Dues not paid:	\$105.00
Non-members:	\$125.00
Students/Affiliates* (members):	
Dues paid:	\$55.00 (student ID required on-site)
Dues not paid:	\$70.00 (student ID required on-site)
Students/Affiliates (non-members):	\$80.00 (student ID required on-site)
Dependents/sig. others**	\$45.00
	*students, high schoolteachers, and non-PhD attendees
	**not psychologists or psychology students

## Membership:

The yearly dues are \$30.00 for members and \$15.00 for affiliates which includes undergraduate and graduate students as well as secondary school teachers. Non-members who register at the meeting and who wish to join RMPA can get an application form at the registration tables. Member application forms can be obtained at any time during the year from the RMPA website at <http://www.rockymountainpsych.org>. There is no geographical restriction on membership.

## Convention Protocol

The majority of papers presented at RMPA are authored by students. For some of you, this may be your first convention. Welcome aboard! To fully appreciate the experience, here are some guidelines you might find useful.

- We will try to maintain the program schedule. If presenters are absent, the session will not move other presenters forward in the timetable. Thus, you are assured that you get to hear what you were expecting to hear.
  - Enter and exit in-progress sessions quietly and inconspicuously (if necessary).
  - When you are in an area where a session is not occurring, other sessions may be going on nearby. Please keep the noise down, even in hallways.
    - Always respect others' opinions. Questions can challenge, but should not confront or demean. Constructive criticism is good, but remember what you learned in kindergarten about common courtesy and good manners.
    - Mingle. It is always difficult to introduce yourself to "strangers," but all of the participants are interested in Psychology and have a lot in common. This is an opportunity to grow in your chosen field by discussing topics of interest and making contacts with persons at other institutions.



## RMPA Executive Committee 2012-2013

### President:

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## THE PROGRAM COMMITTEE

*Each of the 251 contributed abstracts was read by the Program Chair and one of the 27 distinguished psychologists, who served as reviewers. We would like to express our appreciation to them for their assistance in putting together this outstanding program.*

M. Todd Allen

Aaron Ashley

Todd Baird

Stephen Buggie

Grant Corser

Layton Seth Curl

Mahlon Dalley

Heath Earl

Lisa Kindleberger Hagan

Lesley Hathorn

Jeremy Ashton Houska

Nancy J. Karlin

Jeannine Klein

Diane Martichuski

Richard L. Miller

Eugene Moan

Janett Naylor

Kristine J. Oison

Shawn Powell

Aaron S. Richmond

Cheryl Sanders

Robert T. Schatz

N. Clayton Silver

Garrett Strosser

Key Sun

Jordan R. Wagge

Lynn H. White

William Douglas Woody

University of Northern Colorado

Weber State University

Weber State University

University of New Mexico, Gallup

Southern Utah University

Metropolitan State Univ. of Denver

Eastern Washington University

Utah State University - College of

Eastern Utah

Metropolitan State Univ. of Denver

Metropolitan State Univ. of Denver

Concordia University - Chicago

University of Northern Colorado

University of Nevada, Las Vegas

University of Colorado Boulder

University of Nebraska, Kearney

Northern Arizona University

Fort Hays State University

Dixie State College of Utah

Casper College

Metropolitan State Univ. of Denver

Metropolitan State Univ. of Denver

Metropolitan State Univ. of Denver

University of Nevada, Las Vegas

Southern Utah University

Central Washington University

Avila University, Kansas City MO

Southern Utah University

University of Northern Colorado



## SUMMARY OF EVENTS

### Invited Addresses

Kenneth Keith.....Thursday, 2:00 pm  
*Voices from the Past: William James, H. B. Alexander, and the Psychology of Teaching*

David M. Buss.....Thursday, 5:00 pm  
*Strategies of Human Mating*

Robert Sternberg.....Friday, 9:10 am  
*Reflections on What I have Learned from 40 (Gulp!) Years in Psychology*

Wayne Viney.....Friday, 10:20 am  
*Albert Einstein's "Jewish Physics" and William James's "American Psychology"*

Christine Chiarello.....Friday, 2:10 pm  
*Brain Organization for Language: It's All in the Network(s)*

Ronald J. Comer.....Friday, 4:30 pm  
*Teachers and Students: Psychology's Odd Couple*

Wayne Weiten.....Saturday, 9:10 am  
*Ethical Issues in Textbook Adoptions*

Peggy McIntosh.....Saturday, 10:20 am  
*Coming to See Privilege Systems: The Surprising Journey*

Thomas C. Greene.....Saturday, 1:00 pm  
*In the Shadow of the Rockies: Illuminating Humane Environments*

Sue Savage-Rumbaugh.....Saturday, 2:10 pm  
*Caretaker and Culture*

### RMPA

Executive Committee Meeting.....Thursday, 8:00 am  
Portenier/Wertheimer Teaching Conference.....Thursday, 12-5 pm  
Teaching Conference Invited Address: Keith.....Thursday, 2:00 pm  
Student Pre-Conference.....Thursday, 1-5 pm  
RMPA Kickoff Speaker: David M. Buss.....Thursday, 5:00 pm  
Opening Event Reception.....Thursday, 6:00 pm  
RMPA Past President's Address: Viney.....Friday, 10:20 am

RMPA Diversity Council Lunch Video Series.....Friday, 11:30 am  
Ellis-Battig Memory Symposium.....Friday, 3:20 pm  
RMPA Invited Speaker: Comer.....Friday, 4:30 pm  
RMPA President's Address: Weiten.....Saturday, 9:10 am  
Diversity Council Panel: Children of LGBTQ.....Saturday, 9:10 am  
RMPA Diversity Council Address: McIntosh.....Saturday, 10:20 am  
RMPA Diversity Council Lunch Conv. Hour.....Saturday, 11:30 am  
RMPA Alumni Address: Greene.....Saturday, 1:00 pm  
RMPA Department Chair Discussion Hour.....Saturday, 1:00 pm  
Bell/Loomis Environmental Symposium.....Saturday, 2:10 pm  
Gardner Memorial Lecture: Savage-Rumbaugh....Saturday, 2:10 pm  
RMPA Award Finalists Oral paper session 1.....Saturday, 2:10 pm  
RMPA Award Finalists Oral paper session 2.....Saturday, 3:20 pm  
RMPA Quiz Bowl.....Saturday, 3:20 pm  
RMPA Closing Session.....Saturday, 5:30 pm  
Presidential Reception and Social Hour.....Saturday, 5:30 pm  
Executive Committee Meeting.....Sunday, 8:00 am

### RMPA Diversity Events

ADA compliance teaching session..... Thursday, 1:00 pm  
LGBTQ oral session.....Friday, 8:15 am  
Lunch Video Series: *A Cross-Cultural Journey*.....Friday, 11:30 am  
Students/Diversity Oral session.....Friday, 1:00 pm  
Gender/Sports Oral session.....Friday, 2:10 pm  
Social/Gender/Diversity poster session.....Friday, 3:20 pm  
Cross-Cultural Oral session.....Saturday, 8:00 am  
Diversity Council Panel: Children of LGBTQ.....Saturday, 9:10 am  
RMPA Diversity Council Address: McIntosh.....Saturday, 10:20 am  
Lunch Conversation Hour: McIntosh.....Saturday, 11:30 am

### Meetings

Executive Committee Meeting.....Thursday, 8:00 am  
Psi Chi Advisors Meeting.....Friday, 11:30 am  
Diversity Council Lunch Meeting 1.....Friday, 11:30 am  
STP Business Meeting.....Saturday, 11:30 am  
Diversity Council Lunch Meeting 2.....Saturday, 11:30 am  
RMPA Business Meeting (for all members).....Saturday, 5:30 pm  
RMPA Executive Committee Meeting.....Sunday, 8:00 am

### Teaching Events

Teaching Take-Out.....Thursday, 12:00 pm

## Teaching Events (cont.)

ADA Compliance.....	Thursday, 1:00 pm
Experiential/Service Learning.....	Thursday, 1:00 pm
STP Keynote Address: Kenneth Keith.....	Thursday, 2:00 pm
Constructing Tech-Intensive Gen Psych Course.....	Thursday, 3:00 pm
Finding a First Job.....	Thursday, 3:00 pm
Integrating Social Media into Class.....	Thursday, 4:00 pm
Assess This!.....	Thursday, 4:00 pm
Teaching Posters.....	Thursday, 6:00 pm
Teaching Oral Paper Session.....	Saturday, 10:20 am
STP Business Luncheon.....	Saturday, 11:30 am

## Student Events (Thursday only)

Psi Chi Leadershape Workshop.....	Thursday, 9:30 am
How to Get Into Grad School.....	Thursday, 1:00 pm
Making the Most of your Time at RMPA.....	Thursday, 3:00 pm
Generating Research Ideas.....	Thursday, 4:00 pm

## Non-Psi Chi Symposia

ADA Compliance.....	Thursday, 1:00 pm
Constructing Tech-intensive Gen Psych Course.....	Thursday, 3:00 pm
Finding a First Job.....	Thursday, 3:00 pm
Integrating Social Media into Class.....	Thursday, 4:00 pm
Assess This!.....	Thursday, 4:00 pm
APA Presents How to Publish.....	Friday, 1:00 pm
Decline of Ethics in the Military Academies.....	Friday, 3:20 pm
Ellis-Battig Memory Symposium.....	Friday, 3:20 pm
Bell/Loomis Environmental Symposium.....	Saturday, 2:10 pm
Sexual Behavior and Relationships College Students..	Saturday, 4:30 pm

## Panel Discussions/ Roundtables

Diversity Council Panel: Children of LGBTQ.....	Saturday, 9:10 am
RMPA Department Chair Discussion Hour.....	Saturday, 1:00 pm

## Non-Psi Chi Workshops

Experiential/Service Learning.....	Thursday, 1:00 pm
Positive Psychotherapy.....	Saturday, 10:20 am
Universal Social Skills Workshop.....	Saturday, 1:00 pm

## Psi Chi Events

Psi Chi Leadershape Workshop.....	Thursday, 9:30 am
Psi Chi Welcome Coffee.....	Friday, 8:00 am
Psi Chi Distinguished Lecture: Sternberg.....	Friday, 9:10 am
Conversation Hour with Dr. Sternberg.....	Friday, 10:20 am
Psi Chi Advisors Luncheon.....	Friday, 11:30 am
Tips for Getting into Grad School.....	Friday, 2:10 pm
Psi Chi Award Paper Session.....	Friday, 4:00 pm
Psi Chi Awards Presentation and Raffle.....	Friday, 6:00 pm
Psi Chi Journal Submission Info.....	Saturday, 9:10 am
Leadership: Best Practices.....	Saturday, 1:00 pm
Leadership: Running a Chapter.....	Saturday, 2:10 pm

## Conversation Hours

Psi Chi: Robert Sternberg.....	Friday, 10:20 am
Diversity Council: Peggy McIntosh.....	Saturday, 11:30 am

## Oral Paper Sessions

### Friday, April 12

Clinical 1.....	8:00 am
Language.....	8:00 am
LGBTQ.....	8:15 am
Memory.....	8:15 am
Clinical 2.....	10:20 am
Students/Diversity.....	1:00 pm
Personality/Relationships/Therapy.....	1:00 pm
Social.....	2:10 pm
Gender/Sports.....	2:10 pm
Psi Chi Award Papers.....	4:00 pm
Measurement.....	4:30 pm

### Saturday, April 13

Neuroscience.....	8:00 am
Developmental.....	8:00 am
Education.....	8:00 am
Cross-Cultural Psych.....	8:00 am
Teaching.....	10:20 am
RMPA Award Finalists 1.....	2:10 pm
RMPA Award Finalists 2.....	3:20 pm
Anxiety.....	3:20 pm

Mixed Bag/Don't Miss!..... 4:30 pm

### Poster Sessions

#### Thursday, April 11

Teaching.....6:00 pm

#### Friday, April 12

Health/Community/Neuroscience..... 1:00 pm

Social/Gender/Diversity.....3:20 pm

#### Saturday, April 13

Social/Law/IO/Sport..... 8:00 am

Clinical/Psychopharm/Personality/Assessment.....9:10 am

Memory/Cog/Learning/S&P/Meas/Religion..... 11:30 am

Education/Developmental.....3:20 pm

### Social Events

RMPA Opening Event Reception (open to everyone).....

.....Thursday, 6:00 pm

Psi Chi Welcome Coffee (open to everyone).....Friday, 8:00 am

Psi Chi Advisors Luncheon (by invitation only - see Susan

Becker).....Friday, 11:30 am

Diversity Lunch Video Series (open to everyone)..... Friday, 11:30 am

Psi Chi Awards Presentation and Reception (open to everyone)

.....Friday, 6:00 pm

Worth Publishers Social Hour (open to faculty).....Friday, 6:00 pm

STP Business Luncheon (open to everyone).....Saturday, 11:30 am

Diversity Council Lunch Discussion Hour (open to everyone)

.....Saturday, 11:30 am

President's Reception (open to everyone).....Saturday, 5:30 pm

### Conference Evaluations - Let Us Know What You Think!

After the conference, go to the webpage for the link to the evaluation form ([www.rockymountainpsych.org](http://www.rockymountainpsych.org)).

### Become More Involved!

**If you want to become more involved with RMPA, talk with a member of the executive committee. We can always use new ideas, and there are many places to help throughout the year!**

## PRE-CONVENTION ACTIVITIES

### RMPA

### Executive Committee Meeting



**Thursday 8:00 am -12 pm      Cherry Creek**

**WAYNE WEITEN**, RMPA President  
University of Nevada, Las Vegas, Chair

## REGISTRATION



Registration is located in the banquet level hallway

Registration Times:

Wednesday: 7:00 pm – 10:00 pm

Thursday: 8:00 am – 7:30 pm

Friday: 7:30 am – 7:30 pm

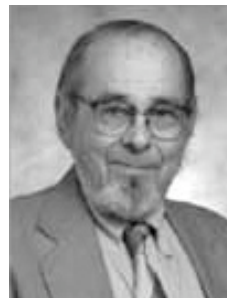
Saturday: 7:30 am - 1:30 pm

# Portenier/Wertheimer Teaching Conference

RMPA would like to thank the  
APA Education Directorate and the  
Society for the Teaching of Psychology  
for their sponsorship of this conference.



**Lillian Portenier**



**Michael Wertheimer**

## **Purpose of the Teaching Conference:**

The teaching conference is designed for faculty who teach at four-year universities and colleges, community colleges, and high schools. Specifically, it is for those who wish to explore new ideas that will enhance and broaden their teaching skills. This celebration of teaching will provide useful and interesting information directly related to teaching psychology and the opportunity to see award-winning teachers in action. The teaching conference will also provide a forum for the discussion and exchange of knowledge and practice about the teaching of psychology as well as student learning and assessment.

## **Who Should Attend:**

- Psychology teachers (Colleges, Universities and High School)
- Researchers in the teaching of psychology
- Support staff and developers working with psychology teachers
- Developers and publishers of psychology resources

## **Lillian Portenier**

In 1995, Lillian Portenier received the first “Outstanding Former Faculty Award” from the University of Wyoming. A professor of psychology when she retired in 1961, she was dedicated to undergraduate psychology majors. Dr. Portenier joined the University of Wyoming as a Mathematics instructor in 1925 after receiving an A.M. degree from the University of Nebraska. She became an assistant professor of Psychology in 1930 and after earning a Ph.D. from Columbia University in 1933, received promotions to full professor. During World War II, she was acting head of the Department of Psychology and director of Student Personnel Services. Dr. Portenier served a three-year term as Executive Secretary of APA’s Division 2 (Teaching of Psychology) and edited the Newsletter (now *TOPS*) from 1952-1954. She served as President of Division 2 in 1957. She was the first person from the Rocky Mountain region to serve as National President of Psi Chi, a post she held from 1949 to 1952. She became involved with RMPA early on, presenting her first paper at the 1933 conference, a paper that examined factors other than intelligence that predicted school success. She served as RMPA Secretary from 1944-1948 and was elected President of RMPA in 1948-49. In 1963, she became the 3rd life member of RMPA.

## **Michael Wertheimer**

In 1983, Michael Wertheimer received the American Psychological Foundation Distinguished Teaching Award in recognition for his classroom teaching as well as his writings on the teaching of psychology. In 1990, he received the APA Distinguished Career Contributions to Education and Training in Psychology Award. Currently, Michael is Professor Emeritus at the University of Colorado - Boulder where he has served on the faculty since 1955. Among his many university recognitions, he received the Faculty Advising Award from the College of Arts and Sciences in 1987. Dr. Wertheimer served as President of Division 2 (Teaching of Psychology) in 1965. He was the Rocky Mountain regional coordinator of Psi Chi from 1973-1979 and in 1990-91 served as the Psi Chi National President. His involvement with RMPA began in the mid-1950s. At the 1957 RMPA meeting, he and Dr. Portenier both participated in the program. She was involved in a symposium on mental health in Western states, and Dr. Wertheimer presented a paper entitled “The influence of subjective time spent in practice on learning.” In 1981, Dr. Wertheimer was elected President of RMPA. He served as the RMPA Archivist from 1986-1993. He is the only person to twice receive the RMPA Distinguished Service Award, first in 1988 and again in 1994.





## Teaching Take-Out

**Thursday 12:00 - 12:55 pm**

**Ballroom A**

### **Eyewitness Identification and False Memory**

KEY SUN, Central Washington University

Using volunteers and some simple materials, this demo intends to help students understand how to distinguish the three stages of the memory process and some errors that may occur at each of the stages. This demo is appropriate for courses such as forensic psychology, psychology and law, and cognitive psychology.

### **iPad Uses in Clinical Courses**

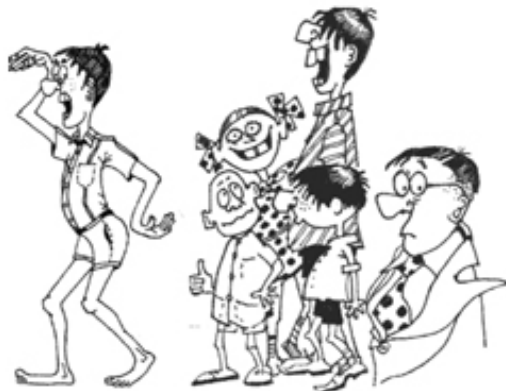
KRISTA FRITSON, University of Nebraska at Kearney

This demonstration shows ways to incorporate iPad technology into clinical psychology courses. The interactive demonstration identifies specific applications and uses of the iPad with student assignments, class discussions, and out-of-classroom experiences (such as practicum sites, field experience sites, etc.).

### **Statistical Charades**

LISA KINDLEBERGER HAGAN, Metropolitan State University of Denver

This in-class activity gives students practice identifying independent and dependent variables and practice picking the correct statistical test to use with different research designs. This activity is similar to a charades game but instead of acting out a movie, participants are acting out a research design.



### **Children's Visual Attention and Scanning Strategies: A Teaching Demonstration**

ROBERT RYCEK, University of Nebraska at Kearney

This is a quick, easy, never-fail demonstration that helps illustrate children's visual attention and scanning strategies. The demonstration replicates Elliane Vurpillot's (1968) research and can be used when discussing information processing in younger and older children including attention and metacognition.

### **Social Traps - Hands on Classroom Demonstration & Discussion**

LAYTON SETH CURL,  
Metropolitan State  
University of Denver

This brief in-class demonstration illustrates social traps in a meaningful way, prompting a broader discussion on how prevalent they are in day-to-day life. It also conveys the need for management of individuals for society harmony.



### **An Effective Classroom Priming Demonstration and a Reply to Kahneman to Boot**

WILLIAM DOUGLAS WOODY<sup>1</sup> AND DANIEL L. WORTHEN<sup>2</sup>

<sup>1</sup>University of Northern Colorado AND <sup>2</sup>Chico State University  
We will take attendees through a classroom activity that reliably demonstrates priming and misinformation effects. Despite important concerns about the replicability of priming studies, in more than 30 iterations at several universities across more than 17 years, this demonstration has remained reliable and effective.

## **Teaching Conference**

### ***1:00 - 1:55 pm options***

**SYMPOSIUM: Making Classes ADA Compliant**

**WORKSHOP: Experiential Learning Explored:  
Practical Applications and Outcomes of Service  
Learning**

**SYMPOSIUM: How to Get Into and Prepare for  
Graduate School**

### **Making Classes ADA Compliant**

***Thursday 1:00 – 1:55 pm Durango – Atrium Level***

Panelists:

NANCY J. KARLIN, University of Northern Colorado  
CHRISLYN RANDELL, Metropolitan State University of  
Denver

SUSAN E. BECKER, Colorado Mesa University  
LINDA LOCKWOOD, Metropolitan State University of  
Denver

AND KATHERINE HILL, Metropolitan State University  
of Denver

Teaching online is challenging, but creating materials that are also ADA compliant adds an additional challenge. This panel will present information on developing online materials, ADA compliance for College students on the Autism spectrum, faculty awareness of ADA guidelines, and the initiatives associated with providing accommodations to students studying abroad.

## **Experiential Learning Explored: Practical Applications and Outcomes of Service Learning**

***Thursday 1:00 – 1:55 pm***

***Platte River***

Panelists:

BETHANY K.B. FLECK AND RHONDA EAKER  
Metropolitan State University of Denver

Service Learning is a form of experiential learning that has been documented to be a “high impact” educational practice. This session will explore David Kolb’s theoretical basis for experiential learning and participants will examine their own learning style in the context of Kolb’s theory. The presenters will also share the results of a fall 2012 research study comparing the outcomes of a service learning class to a non-service learning class. Finally, examples of service learning projects for a variety of fields will be discussed and participants will have the opportunity to explore service learning ideas for their own classes.

### ***STUDENT SESSION***

### **How to Get Into and Prepare for Graduate School**

***Thursday 1:00 – 1:55 pm***

***Cherry Creek***

Panelists:

DIANE MARTICHUSKI, University of Colorado Boulder  
ERIC AMSEL, Weber State University

KATHERINE HILL, Metropolitan State University of  
Denver

AND COURTNEY ROCHELEAU, Metropolitan State  
University of Denver

## Teaching Conference Keynote Address

*Voices from the Past:  
William James, H. B. Alexander,  
and the Psychology of Teaching*

**KENNETH D. KEITH**  
University of San Diego

*Thursday, 2:00 - 2:55 pm  
Ballroom A*

Moderator: Richard L. Miller,  
University of Nebraska Kearney



Today college and university teachers face significant pressure to make their work more efficient, more cost-effective, and more practical. Is there a place for the liberal arts in contemporary higher education? How should teachers of psychology respond to changing times? In this talk I will look for wisdom in the words of two of our forebears: William James in his 1899 *Talks to Teachers*, and Hartley Burr Alexander's 1919 *Letters to Teachers*.



## Teaching Conference 3:00 - 3:55 pm options

**SYMPOSIUM: Constructing, Implementing, and Evaluating a State-Wide Technology Intensive Concurrent Enrollment Introductory Psychology Course**

**SYMPOSIUM: Finding a First Job: Challenges and Opportunities**

**SYMPOSIUM: Making the Most of Your Time at RMPA: Convention Etiquette 101**

### Finding a First Job: Challenges and Opportunities

**Thursday 3:00 – 3:55 pm      Platte River**

Panelists:

WILLIAM DOUGLAS WOODY, University of Northern Colorado  
AARON S. RICHMOND, Metropolitan State University of Denver  
PETER L. KRANZ, University of Texas--Pan American  
GARRETT STROSSER, Southern Utah University  
LAURA MANUEL, Front Range Community College

This session will involve presenters from a range of psychological subfields who will discuss the challenges they faced while seeking their first jobs, both academically and non-academically, and provide concrete teaching and learning recommendations for students and advisors.



**Constructing, Implementing, and  
Evaluating a State-Wide Technology  
Intensive Concurrent Enrollment  
Introductory Psychology Course**

***Thursday 3:00 – 3:55 pm Durango – Atrium Level***

Panelists:

ERIC AMSEL, Weber State University  
SCOTT BATES, Utah State University  
GRANT CORSER, Southern Utah University  
MATT EKKER, Itineris Early College High School  
LAUREN FOWLER, Weber State University  
DEANN JONES, Utah State University,  
SHANE JONES, Cache County School District  
WHITNEY KING, Utah State University  
KAREN KWAN, Salt Lake Community College  
NICK MARSING, Snow College  
MATTHEW STAHELI, Utah State University  
AND KRISTIN WHITLOCK, Viewmount High School

This symposium reports on an 18-month project to create a state-wide technology intensive, concurrent enrollment Introductory Psychology course. Talks address the innovative philosophy, the unexpected benefits, trials and tribulations of teaching, and the effectiveness of the course in promoting targeted student learning outcomes.

**Making the Most of Your Time at RMPA:  
Convention Etiquette 101**

***Thursday 3:00 – 3:55 pm Cherry Creek***

Panelists:

WILLIAM WOZNIAK, University of Nebraska at Kearney  
ROXANNE SULLIVAN, Bellevue University  
STEVE BARNEY, University of Southern Utah  
JENNIFER BONDS-RAACKE, Fort Hays State University  
AND JOHN RAACKE, Fort Hays State University

In this session we will talk about how best to take advantage of your attendance at the RMPA convention. Topics to be discussed include how to select interesting sessions, convention protocol, tips for getting to know influential people, and what events you will not want to miss. Information about publishing your undergraduate research project in the Journal of Psychological Inquiry will be presented.



## **Teaching Conference**

### **4:00 - 4:55 pm options**

**SYMPOSIUM: Assess This! The What and How of Assessing Psychology Department Goals and Student Learning Outcomes**

**SYMPOSIUM: Integrating Social Media into the University Classroom**

**SYMPOSIUM: Student and Faculty Collaboration on Research: How to Generate Ideas for Projects**

## **Integrating Social Media into the University Classroom**

**Thursday 4:00 – 4:55 pm      Platte River**

Panelists:

BETHANY K.B. FLECK, Metro State Univ. of Denver

TRAVIS HEATH, Metro State Univ. of Denver

JEREMY ASHTON HOUSKA, Concordia University-Chicago

JEANNINE KLEIN, University of Nevada, Las Vegas

AND AARON S. RICHMOND, Metro State Univ.

This symposium works to inform the audience on ways to integrate social media into the college classroom. Preexisting and relevant research is reviewed including suggested practices, efficacy of use, and data supporting the teaching methods described. Data from original studies on Twitter, Facebook, and Wikispaces will be presented, including short demonstrations. Suggestions on how to transform research into actual classroom practices based on theory will be discussed.

## **Assess This! The What and How of Assessing Psychology Department Goals and Student Learning Outcomes**

**Thursday 4:00 – 4:55 pm      Durango – Atrium Level**

Panelists:

LYNN H. WHITE, Southern Utah University

ERIC AMSEL, Weber State University

THOMAS M. DUNN, University of Northern Colorado

PETER L. KRANZ, University of Texas – Pan American

NICK MARSING, Snow College

AND ROXANNE SULLIVAN, Bellevue University

With new accreditation standards and an era of increasing accountability, higher education is faced with the somewhat daunting task of defining and assessing what they do. This roundtable discussion is intended to share and brainstorm ideas of what constitutes reasonable goals and outcomes and best practices for assessing them.

## **Student and Faculty Collaboration on Research: How to Generate Ideas for Projects**

**Thursday 4:00 – 4:55 pm      Cherry Creek**

Panelists:

LISA KINDLEBERGER HAGAN, Metro State Univ.

WILLIAM DOUGLAS WOODY, Univ. of Northern CO

THERESA A. WADKINS, Univ. of Nebraska at Kearney

AND RICHARD L. MILLER, Univ. of Nebraska Kearney

This session will provide concrete recommendations for students who seek to collaborate with faculty. Panelists will discuss the ways that they collaborate with students as well as their own collaborative backgrounds to provide input to students who are interested in conducting psychological research with faculty.

## KICKOFF THURSDAY MAIN PROGRAM ACTIVITIES

### Presidential Distinguished Address and Opening Keynote Speaker

*Strategies of  
Human Mating*

DAVID M. BUSS  
*University of Texas, Austin*

*Thursday, 5:00 – 5:55 pm  
Ballrooms A and B*



Moderator: WAYNE WEITEN, Univ. of Nevada, Las Vegas

Humans have a menu of mating strategies. These include long-term committed mating, casual sex, extra-pair copulation, mate poaching, and serial mating. The key to understanding mating strategies centers on identifying what women and men want in different mating relationships. This talk highlights the results of several dozen studies of human mating strategies, including a study of 37 cultures (from Australia to Zambia) located on six continents and five islands. Cultures differ greatly in their mating desires for some qualities (e.g., physical appearance, virginity), yet show striking similarity in their mate preferences for other qualities (e.g., kindness). Knowledge of these shared and divergent mate preferences across cultures provides insight into many aspects of human mating—tactics of mate attraction, tactics of mate retention, love, romantic harmony, sexual jealousy, and sexual conflict. The talk presents a unified theory of human mating that includes universal, sex-differentiated, and context-dependent sexual strategies.

## RMPA 83rd Annual Conference Opening Reception Welcome!



To start off this year's main program, we will have an opening reception for all convention attendees. Come on by for some food, hors d'oeuvres, and conversation. We will also have the teaching posters for the first hour, so feel free to wander around and check them out.

**Thursday 6:00 - 7:30 pm**

**Ballroom C**

**WAYNE WEITEN, RMPA President, Host**

**THIS OPENING RECEPTION IS  
SPONSORED IN PART BY PEARSON  
EDUCATION. THANKS!**

**PEARSON**

## Teaching Posters

Poster Session, Thursday, 6:00 - 7:00 pm, Ballroom C

### 1

Faculty and Student Collaborative Course Redesign: Face-to-Face Vs. Blended Instructional Methods on Student Acquisition of Counseling Psychology Knowledge

TODD GOMEZ, BLAKE LUNDRY AND RACHEL RICHARDSON

Northeastern State University

The effects of traditional lecture versus blended educational instructional format were examined. Face-to-Face and hybrid students respectively were administered a pre-post test and asked to indicate knowledge relative to history, theories, methods, and ethical positions of counseling psychology. Practical implications of results augur need for additional in-class meetings buttressed with usage of pedagogical technology.

### 2

The Nature and Acquisition of Psychological Literacy by Psychology Students

LOGAN ALLEN, MELISA RUSSELL, BLISSE VOIGT, DESIRAE WOOD, CONNIE BANTA AND ERIC AMSEL

Weber State University

To test claims about psychological literacy, 492 undergraduate psychology students completed three questionnaires assessing their psychological competencies and abilities. The results support the idea that psychology literacy is an integrated and adaptive set of psychological knowledge, attitudes, values, and skills that increases with exposure to and engagement in the discipline.

### 3

The Effects of Active Reading Questions on Student Learning

BETHANY K.B. FLECK, AARON S. RICHMOND, LISA BECKMAN, JILLIAN STERNS AND RUDY BROWN

Metropolitan State University of Denver

This study empirically tested the impact that active reading questions have on student at-home study and note-taking behavior as well as the impact on overall learning. Analysis of survey data and student grades post-semester indicated that active reading question and lecture notes conditions were similar in comprehension of course material. However, students found the course harder when they had active reading questions as compared to lecture notes for study tools.

### 4

Getting Class Started with Youtube Video Clips

LISA BECKMAN, BETHANY K.B. FLECK AND JILLIAN STERNS

Metropolitan State University of Denver

YouTube was used to introduce students to daily topics in a developmental educational psychology course. Analysis of survey data and student quiz scores indicated that students had a positive experience with the integration of YouTube clips but that it did not affect their learning.

### 5

The Influence of Humor, Student Rapport, and Engagement on Teaching Effectiveness. No Joke!

MAJKEN BERGLUND, AARON S. RICHMOND, VADIM B. EPELBAUM, SHANNON D. OAKMAN, KAYLA PULLANO, ERIC M. KLEIN AND ERICA M. LAMB

Metropolitan State University of Denver

We sought to understand whether perceived humor of an instructor, student and professor rapport, and student engagement would predict perceptions of teaching effectiveness. Results and implications will be discussed for students, teachers, and administrators.

### 6

How White Is Our Research? An Investigation of Ethnic Sample Representation in Teaching of Psychology Journals

KRISTIN A.BROUSSARD, AARON S. RICHMOND, SARAH LIEBERENZ, JOCELYN K. MEDINA, KRISTINA K. SANDERS, JUSTIN C. SHARDY AND JILLIAN L. STERNS

Metropolitan State University of Denver

We examined the ethnic representation of samples over the last 5-year period in the leading teaching of psychology journals. Results will be discussed in the context of ethnic composition and the external validity of the articles.

### 7

Rereading Effects

LESLEY HATHORN, RYAN BALKE, SARAH HANCOCK, ARIJANA JAKSIC AND GREGORY MASTIN

Metropolitan State University of Denver

The effects of reading texts once or twice was assessed. Six different types of texts were read. There was no advantage for rereading texts that measured comprehension at any level. However, there was a significant advantage for rereading texts that measured rote memorization.

### 8

The State vs. Edward Cullen: Understanding Forensic Psychology Through Popular Media

ANA MARIA GUEVARA AND LESLIE CRAMBLET ALVAREZ

Adams State University

Popular media provides a unique avenue for examining psychological concepts. A 2-day summer workshop explored legal and psychological issues present in Stephenie Meyer's Twilight Saga including relationships, interpersonal attraction, domestic violence, victimization, relationship boundaries and emerging sexuality. In teams, students considered Colorado statutes and carried out a mock trial.



## FRIDAY PROGRAM ACTIVITIES

### Welcome Coffee Sponsored by Psi Chi

**Friday, 8:00 – 9:00 am**

**Cherry Creek**



Come by for some coffee, and meet other Psi Chi members!

Hosts:

SUSAN E. BECKER, Colorado Mesa University

JASON YOUNG, Psi Chi Past President, James Madison Univ.

KRIS TRIMBLE, Colorado Mesa University

### Psi Beta, the one, the only, Honor Society in Psychology for the two-year college!

Mission: Scholarship, Leadership, Research, Service

If you choose to accept this mission, having a Psi Beta chapter at your school and being a member will help make sure it is "Mission Possible!"

Participate in national research projects designed for Psi Beta students. Faculty Advisors receive all the materials and instructions needed for students to participate.

Need a service project? Why not combine meaningful service, scholarship, leadership, and research? Psi Beta is making this possible with the Heroic Imagination Project – a teaching/learning adventure for Psi Beta teams to take to youth in your community.

Opportunity, awards, pride, and inspiration await you at Psi Beta National Honor Society in Psychology. Apply for a chapter now and be ready to take off next fall!

To apply or obtain more information, go to [www.psi-beta.org](http://www.psi-beta.org)

## Clinical 1

Oral Paper Session, Friday, 8:00 – 9:00 am, Big Thompson

Moderator: FREDERICK V. MALMSTROM, University of the Rockies

8:00

Peer Support Trumps Drug Cocktails: Cultural Views of Treatment Options for Persons with Bipolar and Depressive Disorders

GREG BATCHELDER

Colorado Mesa University

This project suggests that participants of a peer-support group for depression/bipolar disorder cognitively "model" their conditions in culture-particular ways. The author shows that being "consonant" or in sync with a shared cultural model of treatment correlates with improved symptomatology. Methods included participant observation in the group, semi-structured interviews, and survey data.

Faculty Sponsor: Susan E. Becker

8:15

Therapy Effectiveness and The Role of Hope, Attachment, and Forgiveness as Common Factors

JASON BELL, CHRIS SIMON, MELISSA HOUSER AND RON WELCH  
Denver Seminary

In an ongoing study, the roles of hope, attachment security, and dispositional forgiveness were examined as potential common factors for psychotherapy outcomes. Participants were administered self-report inventories at intake and again after 14 to 15 weeks of treatment. Results are being collected at the time of submission.

8:30

Utilizing a Directive Or Non-Directive Therapeutic Approach: A Culturally Adapted Brief Intervention for Asian and European Americans with Subsyndromal Depression

DAVID PAN AND STANLEY HUEY, JR.

New Mexico Highlands University; University of Southern California

This study evaluated the efficacy of a directive and non-directive intervention for subsyndromal depression using an Asian American and Euro-American sample. One hundred twenty participants had a brief directive or non-directive therapy session focusing on depressive symptomatology, psychoeducation, and feedback. Results indicate that the directive approach was generally more effective.

8:45

DSM-5: What Happened to Roman Numerals and Other Changes

THOMAS M. DUNN

University of Northern Colorado

The latest edition of the DSM will be released in May 2013. This presentation will briefly cover the history of the DSM, discuss the highlights of the major changes in DSM-5 and review some of the controversy of particular disorders and the revision of the manual itself.

## Memory

Oral Paper Session, Friday, 8:15 – 9:00 am, Platte River

Moderator: LESLIE CRAMBLET ALVAREZ, Adams State University

8:15

Talk to Me! The Effects of Documentation and Maternal Reminiscing Style on Preschoolers' Remembering  
BETHANY K.B. FLECK, AARON S. RICHMOND, JORDACE SANDERSON, ASHLIE REITHER AND SARA YACOVETTA  
Metropolitan State University of Denver  
Two studies were conducted to investigate if documentation has an effect on young children's memory. In study one, documentation was compared to worksheets and a control condition in a three-session between-subjects experiment. Findings revealed that children exposed to documentation outperformed others on measures of memory for factual information. In study two the effects of documentation on maternal reminiscing style was investigated. Mother-child conversations about learning events were recorded both in the presence of documentation and not. Results indicated greater maternal high elaborative speech in the presence of documentation.



8:30

Resentment, Memory, and Preference  
ALIREZA MAGHSOUDLOU, TYLER BRODERICK AND ELIZABETH LONG  
New Mexico Highlands University  
A mental state of resentment was elicited by asking participants to think about a time when someone wronged them. The goal was to examine whether a mental state of resentment could influence the memory of threat words and evaluation of products.  
Faculty Sponsor: Maura Pilotti

8:45

Exploring the Production Effect: Further Studies on a Memory Enhancing Phenomenon  
PETER SUNDWALL AND DAVID YELLS  
Utah Valley University  
The Production Effect is a simple encoding technique that shows information studied aloud will improve explicit memory more than information studied silently. Three experiments were performed, which included bi-lingual and American Sign Language subjects, to explore this memory phenomenon in ways that have not been tested.

## Language

Oral Paper Session, Friday, 8:00 – 9:00 am, Durango

Moderator: M. TODD ALLEN, University of Northern Colorado

8:00

Idiom Interpretation Cross Culturally  
KORINA ROCKELLE OPGENORTH  
Metropolitan State University of Denver  
Understanding cultural influences for idiom interpretation was examined. Participants were asked to interpret American and foreign idioms with the same meaning, complete a world knowledge true or false task, and match languages to countries. There was a difference found in scores for interpretation of foreign idioms compared to American Idioms.  
Faculty Sponsor: Lesley Hathorn

8:15

The Influence of Television on Spanish  
YESENIA ACEVEDO  
Metropolitan State University of Denver  
The study investigated the influence that Spanish films have on the process of learning Spanish. Seventy-five students were tested on 40 Spanish words before and after the study. Results of the study are discussed further.  
Faculty Sponsor: Lesley Hathorn

8:30

The Cognitive Representation of Spatial Language  
BRANDI CHRISTENSEN, DANIEL FELLER AND AARON ASHLEY  
Weber State University  
How do we mentally represent verbal information? Recent research suggests we comprehend language by simulating our experience of the event depicted. The current study examined the cognitive representation of literal and figurative uses of spatial language. Results suggest figurative uses of these terms may be processed differently than literal uses.

8:45

Language Learning and Paired Associates  
ARIJANA JAKSIC  
Metropolitan State University of Denver  
The effects of television on language learning were examined. Serbo-Croatian was used to determine if participants remembered more Serbo-Croatian words when exposed to a Serbo-Croatian video rather than a video in English. There was no significant difference in words learned for the English vs. the Serbo-Croatian video.  
Faculty Sponsor: Lesley Hathorn

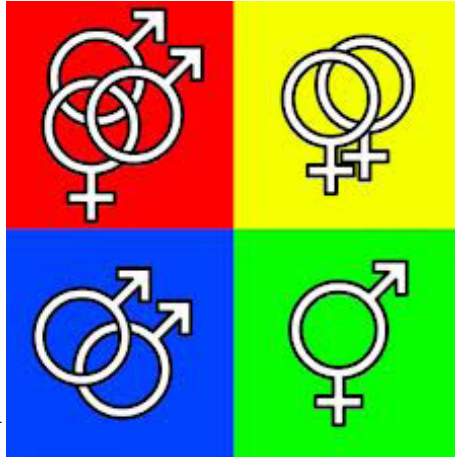
## LGBTQ

Oral Paper Session, Friday, 8:15 – 9:00 am, Steamboat

Moderator: ANNA ROPP, Metropolitan State University of Denver

8:15

Understanding Our Heteronormative Culture: An Analysis of Heteronormativity  
 KYLE CRANNEY AND GARRETT STROSSER  
 Southern Utah University  
 The assumption that individuals are heterosexual is a cultural phenomenon defined as heteronormativity. This study assessed factors related to one's tendency to subscribe to a heteronormative worldview. Data collected in the U.S. and Australia showed relations between perceptions of behaviors, level of exposure to non-heterosexuals, heteronormativity, and levels of religiosity.



8:30

LGBTQ Students in Utah Schools: Perceptions of Safety and the Role of Gay-Straight Alliances  
 CAMILLE J. ODELL AND RACHEL B. PETERSON  
 Utah State University  
 LGBTQ students often feel unsafe in school, and report being bullied more often than heterosexual, non-transgender students. The current study explored feelings of school safety in LGBTQ students in Utah schools, and examined the effect of gay-straight alliances on frequency of hearing discriminatory remarks and overall school climate.

8:45

Healthcare Related Experiences of a Lesbian: A Matter of Privacy  
 MAGGIE H. REINEKE  
 University of Northern Colorado  
 Lesbians visit healthcare providers less frequently than heterosexual women. In order to understand some of the reasons for this decreased frequency, it is important to understand what lesbians experience when they do visit healthcare providers. This qualitative study explored one lesbian's experiences of healthcare visits.  
 Faculty Sponsor: Elizabeth Pascoe

## Psi Chi Distinguished Lecture



Reflections on What I have Learned from 40 (Gulp!) Years in Psychology

ROBERT STERNBERG  
*Oklahoma State University*

Friday, 9:10 – 10:10 am

*Ballrooms A and B*

Moderator: SUSAN E. BECKER, Colorado Mesa University,  
 Psi Chi Rocky Mountain Regional Vice President

In this talk, I will reflect on what I have learned from 40 years in psychology, for example,

1. How careers evolve
2. Balancing work and family life
3. Mistakes to make just once
4. What to do when things go horribly wrong
5. What to do when the rejections keep piling up
6. How to know who your real friends are
7. Dealing with enemies
8. Making teaching and research work together rather than against each other
9. When not to suck up
10. When to listen to advice and when not to

I will present the talk in a way that I hope will help people younger than I avoid some of the mistakes I made, and some of the ones I didn't.

## RMPA Past President's Address

### *Albert Einstein's "Jewish Physics" and William James's "American Psychology"*



**WAYNE VINEY**  
Colorado State University

*Friday, 10:20 – 11:20 am*  
*Ballroom C*

Moderator: WILLIAM DOUGLAS WOODY, University of Northern Colorado

William James repeatedly argued that the greatest issue confronting the human mind centers on pluralistic and monistic visions of the world. Qualifying and limiting adjectives such as Jewish physics, Christian Biology, Aryan Science, and Marxian Botany have sometimes been used in attempts to reduce science to one grand all-embracing and consistent unity. In this paper I explore problems associated with unification efforts and argue that, for the time being, science is best served by a kind of humility tuned to a deep awareness of epistemological, ontological, and axiological complexities that call for recognition of numerous kinds of real things, the legitimacy of many scientific methodologies, and the perversity of attempts to limit values to a single grand institutional or substantive monopoly or cartel. It is argued that the radical empiricism, pragmatism, and pluralism of William James continues as a promising intellectual platform for the sciences.

## Clinical 2

Oral Paper Session, Friday, 10:20 – 11:05 am, Big Thompson

Moderator: STEVE BARNEY, Southern Utah University

10:20

Living with Uncertainty: Coping Strategies of Firefighter Families  
CATHERINE CARRICO AND MARY SEAN O'HALLORAN  
University of Northern Colorado

The spouses and children of firefighter families live with uncertainty each time their loved one goes to work. This phenomenological qualitative study analyzed the data from firefighter families, which revealed a number of common coping strategies that families utilize to reduce the amount of stress and worry they experience.

10:35

Personality and Suicidality in Peruvian College Students  
TERESE CASEY<sup>1</sup>, SILVIA SARA CANETTO<sup>1</sup>, BRANDON YOUNG<sup>1</sup> AND  
PATRICIA MARTINEZ<sup>2</sup>

<sup>1</sup>Colorado State University AND <sup>2</sup>Pontificia Universidad Catolica del Peru  
The relationship between Big-Five personality traits and suicidality (ideation, behavior, communication, and future intention) was examined among Peruvian college students. Neuroticism was positively related to suicidal ideation. Individuals high in openness tended to communicate their suicidal ideation. Agreeable individuals were less likely to report suicidal thoughts/behavior and future suicidal intention.

10:50

Outcome Measurement by Graduate Students in Clinical Practice:  
Trends and Barriers to Effective Care  
SCOTT WALTMAN, ALYSON WILLIAMS AND LISA CHRISTIANSEN  
Pacific University

Graduate students in doctoral programs (n=397) responded to an online survey and were randomly assigned to one of nine vignette conditions where varying information was presented. Participants rated made progress ratings and treatment recommendations. The results from this study were compared to a previous study involving licensed psychologists.

## ***Psi Chi Student Conversation Hour*** **with *Dr. Robert Sternberg*** **Oklahoma State University**

*Friday, 8:00 – 9:00 am*

*Cherry Creek*

Moderators:

AARON S. RICHMOND, Metro State Univ. of Denver  
RONA MCCALL, Regis University  
SUSAN E. BECKER, Colorado Mesa University



## LUNCH BREAK FROM 11:30 - 1:00 PM

### PSI CHI

#### Advisors Appreciation Lunch

**Special Guest: Dr. Robert Sternberg**

**(Invitation-Only Event)**

*Friday, 11:30 am - 1:00 pm Clear Creek*

HOST: SUSAN E. BECKER,  
Rocky Mountain Region Vice President

### RMPA DIVERSITY COUNCIL LUNCHEON & VIDEO SERIES

*“Five Ways to Consider Culture:  
A Cross-Cultural Journey”*

*Friday, 11:30 am – 1 pm Telluride A*

INVITED PRESENTERS: LAYTON SETH CURL, MARY ANN WATSON AND SCOTT HOUCK  
Metropolitan State University of Denver

Have you ever wondered how we can compare cultures? Join Producer and Authors Drs. Curl and Watson with videographer Scott Houck. They'll discuss the scholarship of cultural dimensions and premier their latest educational film.

NOTE: *Thanks to Psi Chi and MSU Denver for co-sponsoring this event!*

## Personality/Relationships/Therapy

Oral Paper Session, Friday, 1:00 – 2:00 pm, Platte River

Moderator: NANCY J. KARLIN, University of Northern Colorado

1:00

Moral Schema Usage among Authoritarians

CLINTON LUTH AND JANETT NAYLOR

Fort Hays State University

Ratings on several scales of Authoritarianism were compared with participants' self assignment to different Moral Judgment schemas (Rest et al., 1999) in order to determine if any schema is predictive of Authoritarian sentiment. 194 students participated; it was determined that the S4 (maintaining norms) moral judgment schema does predict authoritarianism.

1:15

Anatomy of Inner and Outer Attractiveness: The Battle Between Beauty and Character

KELLY PARKER AND ALEXIS KARRIS BACHIK

Metropolitan State University of Denver

This study examined physical and character trait preferences in a romantic partner. Three primary questions were asked: which physical attributes are most desired, which character traits are most desired, and which was more important - physical attractiveness or character. Physical attractiveness and character were important however; participants preferred a pleasant character more often.

1:30

Addressing the Problem of Self-Centeredness in Marriage

ADAM BERTOCH, BRADFORD WIGGINS AND JOSEPH OSTENSON

Brigham Young University - Idaho

The majority of marriage researchers view self-centeredness as a threat to successful marriage. However, the way in which success in marriage is currently understood may inadvertently facilitate self-centeredness. This paper will explore the reasoning behind its prevalence and provide a healthy alternative to the self-centered approach in marriages and relationships.

1:45

Incorporating Client Feedback and Outcome Data in Couple and Family Therapy

RACHEL GALL AND BASILIA SOFTAS-NALL

University of Northern Colorado

An evidence-based model for collecting client feedback and outcome data in couple and family therapy will be presented. The presentation will include discussion of use in training clinics and professional practice, psychometric information about the measures, challenges and "glitches," interpretation, and guidance about how to use the measures systemically.

## Students/Diversity

Oral Paper Session, Friday, 1:00 – 2:00 pm, Durango

Moderator: JEREMY ASHTON HOUSKA, Concordia University - Chicago

1:00

Pedagogical Approaches to Promoting Students' Research Self-Efficacy

THERESA A. WADKINS AND RICHARD L. MILLER

University of Nebraska at Kearney

The Research Self-Efficacy Scale measures students' confidence in their ability to perform various research-related tasks. Research self-efficacy was measured in 112 students who had completed statistics, research methods, or advanced laboratory classes. The results examine the self-efficacy of students for various research tasks as a result of different research-based courses.

1:15

Attitudes and Behaviors of Low-Income Consumers Regarding Fruits and Vegetables

MICAH WATSON

Southern Utah University

This study assessed attitudes and behaviors of low income individuals in Iron County, Utah regarding their motivation to eat, availability of, and ease of access to fruits and vegetables. Self-report surveys contained contents concerning consumer's choices, attitudes toward own health, perspective on affordability and transportation, and willingness to change.

Faculty Sponsor: Steve Barney

1:30

Measuring Students' Statistical Motivation and Confidence throughout an Introductory Statistics Course

COURTNEY MCKIM

University of Wyoming

We examined the change in graduate students' motivation and confidence throughout a semester-long undergraduate introductory statistics course. Motivation decreased early on, and then increased towards the end of the semester, while their confidence increased throughout the course.

1:45

The Effects of an Elementary School Dual-Immersion Program on Intercultural Sensitivity and Prejudice

MICHAEL SAUCEDA, MICAH WATSON AND DAVID W. SHWALB

Southern Utah University

The effects of participation in dual-immersion program on prejudice were examined. One-hundred participants (ages 6-7) were administered a standard prejudicial attitudes measure. Participants who were enrolled in the dual-immersion program showed lower levels of prejudice than their peers who were not enrolled.

## APA Symposium

### How to Publish

Friday, 1:00 – 2:00 pm

Big Thompson

Presenters:

DANIYA TAMENDAROVA, American Psychological Association

LEAF VAN BOVEN, University of Colorado Boulder (editor)

MAX WEISBUCH, University of Denver (author)

Publishing in established scholarly journals provides important career development for professional, scientific, and academic psychologists. This session, sponsored by the APA Publications and Communications Board, is intended to help demystify the



publication process. In addition to providing an overview of the publication process, the panelists provide guidelines on writing discipline, selecting topics, and framing the research data for publication. They also illuminate the editorial processes involved in anonymous peer-review of manuscripts and provide guidelines on different types of decision letters and for how reviewer comments should be considered. General support is provided for overcoming rejection in order to persevere in the publication process.

*We wish to thank the  
American Psychological Association  
for their sponsorship of this symposium.*

## Health/Community/Neuroscience Posters

Poster Session, Friday, 1:00- 2:00 pm, Ballrooms A and B

**1**

Stress and Symptoms of Stress with Biomarker Validation

MICHAEL HACK, CALLI DERUBY AND SCOTT COHN

Western State Colorado University

A study of two hundred undergraduates asked to rate their stress level on a scale of one to five as well as identify activities that they participate in to relieve stress. An additional 20 participants submitted salivary samples. Self-reported stress often did not relate to effective coping or established biomarkers.

**2**

Sleep Quality in Healthy Adults Reporting Childhood Trauma

MICHELLE SILVER, HOLLY RAU, MATTHEW CRIBBET, LINDSAY VAUX AND PAULA WILLIAMS

University of Utah

The present study examined the association between self-reported adverse childhood experiences, sleep in healthy adults, and the impact of pre-sleep arousal on this relationship (n = 50). Participants that reported childhood trauma had higher mean pre-sleep arousal scores that participants with no childhood trauma.

**3**

Slipping Through the Cracks: The Importance of Using Screening Instruments in Pediatric Primary Care

TIAH TERRANOVA AND LIBBI PALMER

Mountainland Pediatrics AND Community Reach Center

Effects of implementing the Pediatric Symptom Checklist (PSC) in a pediatric primary care office with an on-site behavioral health psychologist were reviewed. Reviewed referrals to behavioral health, referral follow through, and recommendations for implementation and use of the PSC in an urban pediatric population generated from over 700 completed screens.

**4**

Individual and Social Factors Associated with College Students' Perceptions of Health

ROBERT WILLIAMS, JORDAN SLAVIN, KORRINA COLLINS, TODD CARLSON, TYLER FARROBA AND ANDREA ERICKSEN

San Juan College

Increasing concern surrounding health in America has led to growing interest in factors contributing to individuals' health beliefs and behaviors. The current study aimed to explore the influence of perceived socioeconomic status and self-efficacy on diverse college students' physical activity, nutrition, and perceptions of their health.

**5**

An Examination of the Influence of Diabetic Family History on College Students' Health Behaviors

DUSTY SOOTER, MAYLIN BERNALLY, KRISTEN KELLENAERS, ANDREA ERICKSEN AND KATE FULTON

San Juan College

With increasing rates of health problems associated with diabetes, it is important to examine factors contributing to prevention efforts. The current study explored patterns in health behaviors among college students with and without a family history of diabetes in a rural community in the southwestern region of the United States.

**6**

Fruit and Vegetable Consumption in the Elementary Schools: A Demand Curve Analysis

MCKELLE TOBEY AND GREGORY J. MADDEN

Utah State University

Poor dietary habits developed during youth are a serious contributing factor to childhood obesity. Conducted alongside an applied behavioral intervention to increase consumption of fruits and vegetables, a behavioral economic evaluation of demand curves was administered to students in the fifth through eighth grades.

**7**

Mending the Safety Net: Service Needs and Use among Homeless Youth  
KIMBERLEE TAYLOR, RACHEL PETERSON, JAYME DAY AND JAMISON FARGO

Utah State University

Homeless youth rely on several types of services to assist them in exiting homelessness. A sample of 155 homeless youth was surveyed about characteristics, histories, and service utilization. Under-utilization of services is related to gaps in the service provider network rather than to characteristics of individual homeless youth.

**8**

Community Perspectives on Substance Abuse and Substance Abuse Treatment in Interior Alaska

COURTNEY HORWATH-OLIVER AND TARA FORD

University of Alaska Fairbanks

Perceptions of substance misuse and treatment were explored. Twenty-one semi-structured interviews explored strengths, weaknesses, and improvements needed for community response to substance abuse. Findings indicated negative social stigma significantly contributes to the cycle of abuse and highlighted the need for community efforts to decrease stigma surrounding substance misuse and treatment.

Faculty Sponsor: Inna Rivkin

## Health/Community/Neuroscience Posters (cont.)

**9**

The Effects of Self-Esteem and Romantic Attachment on Safe Sex Behaviors among Young College Students

ERICA HOPE, BRIAN JOHNSON AND JEFFREY ROCHE

University of Northern Colorado

Investigating the relationship among romantic attachment style, self-esteem, and gender on safe-sex behaviors, a simultaneous multiple regression analysis tested hypotheses. Drawing from 155 male and female undergraduates' self-report questionnaires, the complete model accounted for 7.8% of variance in safe-sex behaviors. Results may help prevent risk behaviors and encourage safe-sex practices.

**10**

Predicting Stage of Readiness of Change and Social Smoking Status in a Predominantly Hispanic Sample

SAMANTHA ESTRADA<sup>1</sup> AND NORMA P. FERNANDEZ<sup>2</sup>

<sup>1</sup>University of Northern Colorado AND <sup>2</sup>Texas Tech University

This study examines social smokers and the utility of the Transtheoretical Model of Change (TTM) considering levels of addiction. Hispanics tend to be lighter, irregular smokers; this research investigates a sample that is predominantly Hispanic.

**11**

Patient Satisfaction and Adaptive Functioning Related to Utilization of Primary Care Services at a Community Mental Health Center

LINZI CODY AND THOMAS DESTEFANO

Northern Arizona University

Participants' satisfaction with services received and levels of adaptive functioning at initial appointment and at one year follow-up were evaluated. Both satisfaction and adaptive functioning improved after one year of utilization of primary care services at an integrated care clinic at a community mental health center.

Faculty Sponsor: Robert Horn

**12**

Integrated Care Services: Going Beyond "Take Two Aspirin and Call in the Morning"

LINZI CODY AND ROBERT HORN

Northern Arizona University

The purpose of this study was to describe the psychological and physiological characteristics of patients utilizing primary care services as provided through an integrated care program at a community mental health center. Descriptive characteristics include risk for disease based on BMI, cholesterol, triglycerides levels, and alcohol consumption.

Faculty Sponsor: Thomas DeStefano

**13**

Sex Differences in Immune Response to a Social Stressor

CHRISTOPHER GELETY, LAUREN JOHNSON AND MELISSA BIRKETT

Northern Arizona University

Sex differences in sIgA response to a social stressor were examined. Fifty-two healthy adults completed the Trier Social Stress Test (TSST). Females experienced significantly greater response to the TSST via heart rate and sIgA secretion. Immune response to the TSST was not correlated with physiological or psychological responses.

**14**

Barriers to and Facilitators of Adolescent Sun Protection

ARISSA FITCH-MARTIN, LAUREN M. MENGER, LAUREN HARTSOUGH AND AMBER LOOMIS

Colorado State University

Adolescents are a key target for skin cancer interventions, but influences on adolescent sun protection are unclear. To address this, focus groups were conducted and preliminary results suggest that a complex web of factors (e.g. peer/parental influence, limited knowledge of risks) influence protective behavior. Implications for interventions are discussed.

Faculty Sponsor: Kimberly Henry

**15**

Multisensory Processing in Children with Autism Spectrum Disorder: Auditory-Somatosensory Integration

BARBARA BRETT-GREEN<sup>1</sup>, SIGOURNEY RUSH<sup>1</sup>, JASMINE SHEPHERD<sup>1</sup> AND EMILY MARSHALL<sup>2</sup>

<sup>1</sup>Colorado State University-Pueblo AND <sup>2</sup>Colorado State University-Fort Collins

Several theories of autism suggest that multisensory integration (MSI) may be impaired in this population, but few studies have been conducted. Event related potentials were used to study MSI in individuals with and without autism in an attempt to determine if impaired MSI contributes to the behavioral symptoms of autism.

**16**

Oral Health in Adults with Serious Mental Illness: Needs for and Perspectives on Care

CAROLE CURRY AND KATHERINE KITCHEN

University of Wyoming

Individuals with serious mental illness experience higher rates of oral health problems than the general population. Semi-structured interviews were conducted. From the analysis of data, three main themes were identified. The themes included the following: (1) no pain, no problem; (2) poverty; (3) communication and support.

Faculty Sponsor: Christine McKibbin



## Health/Community/Neuroscience Posters (cont.)

17

Dementia Diagnosis Relationships to Age, Education, Exercise, and Medications

JOY LADWIG AND JERALEE SALMON

University of Wyoming/Casper College

This study investigated relationships between age, education, exercise, medications, and dementia diagnosis. Archival research involved 30 patients, 15 females and 15 males, from a community based sample referred for dementia evaluations. The results suggest weak relationships exist between age, education, exercise, medications, and dementia (correlation range =  $-.29$  to  $.29$ ).

Faculty Sponsor: Shawn Powell

18

2D:4D Digit-Span and Academic Major Preference

JAY MATTSON, ANNA MARYOTT, RICHARD TURNER, JESSICA MURRAY AND DYLAN FREESE

Eastern Washington University

Researchers in the past have examined the relationships between ring and index finger lengths. Brosnan (2006) found that faculty in the Sciences demonstrated a male pattern of digit ratio and the faculty in social sciences/management demonstrated a female-pattern of digit ratio. In the current study, we examined for this possible effect in both undergraduate and graduate students in similar academic fields.

Faculty Sponsor: Theresa J. Martin

19

Migraine History and Performance Monitoring in College Students

RILEY CALL, THOMAS J. FARRER, DAWSON W. HEDGES AND MICHAEL J. LARSON

Brigham Young University

The present study examined whether history of migraine headaches predicts electrophysiological indices of cognitive control related to performance monitoring. Event related potentials were recorded while 113 students completed a modified Eriksen flanker task. Migraine history was not associated with error-related negativity or post-error positivity.



20

Neural Plasticity in Lower- and Higher-Level Visual Cortex Processing

ANTHONY GROTH, DANIEL ZIMMERMAN AND ARESH VASEFI

Arizona State University

There is little research evaluating the relationship between coherent dot motion and reading comprehension. Participants were randomly assigned to four conditions of varying days and trials. The WRAT-IV was given on the initial and final days of the study. Improvements in reading comprehension were measured and compared across groups.

Faculty Sponsor: Jose Nanez

21

Facebook, Stress, and Incidence of Upper Respiratory Infection in Undergraduate College Students

JAY CAMPISI, PAMELA BYNOG,

HOPE MCGEEHEE, JOSHUA

OAKLAND, SHANNON QUIRK,

CARLEE TAGA AND MORGAN

TAYLOR

Regis University

The effects of internet-based social networks and psychological stress were examined. Eighty-eight undergraduate college students' perceptions of Facebook use and incidence of upper respiratory infections (URI) were examined over ten weeks. URI rates were positively correlated with the size of individuals' social network.



22

Neurocognitive Analyses of Learning and Memory: A Longitudinal Examination of Alzheimer's Disease Utilizing the Triple Transgenic Mouse Model

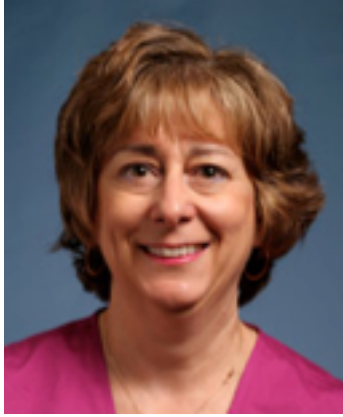
IOLA CONCHAR, MARK MANNIE, QUN LU AND TUAN TRAN

East Carolina University

Alzheimer's Disease (AD) is a severe form of dementia. Several known gene mutations underlie its pathology. We assessed mice bearing a triple mutation (3xTg-AD) using cognitive assessments of hippocampal function. Findings recapitulate the progressive age-related decline in cognition that humans with AD exhibit and cell loss associated with the decline.

## APA Presents

### G. Stanley Hall Distinguished Lecture



*Brain Organization  
for Language:  
It's All in the Network(s)*

**CHRISTINE CHIARELLO**  
University of California, Riverside

*Friday, 2:10 – 3:10 pm*  
*Ballroom C*

Moderator: RICHARD L. MILLER, Univ. of Nebraska Kearney

Dr. Chiarello's research investigates the organization of language function in the brain. One long-standing research interest is to understand how the bilateral design of the human cerebral cortex affects the way in which people process language and perform other cognitive functions. Her lab has explored the contributions of the right cerebral hemisphere to language processing, and documented that this "nonverbal" hemisphere plays an important role in the comprehension of linguistic meaning. This research has indicated that the right hemisphere has a broader, less focused form of meaning activation that can provide a platform for a variety of linguistic processes that complement those of the left hemisphere. More recently her research has focused on individual differences in the neural substrates for reading and language. In particular, she is investigating linkages between individual differences in cortical anatomy and variations in behavioral-linguistic profiles. The Biological Substrates for Language Project is currently in progress. This is a large-scale, NIH-funded study of 200 participants who received extensive behavioral testing and MRI scans that permitted measurement of numerous neuroanatomical features. The resulting individual differences database is unique in that it combines detailed neuroanatomical measurements with thorough behavioral data from the same individuals. Initial findings indicate that individual differences in brain and behavior cannot be accounted for by sex differences, but that an overlapping subgroup approach (the kaleidoscope framework) can identify multiple dimensions of variation in brain anatomy and behavior.

## Gender/Sports

Oral Paper Session, Friday, 2:10 – 3:10 pm, Big Thompson

Moderator: LISA KINDLEBERGER HAGAN, Metro State Univ. of Denver

2:10

Female Athletes' Responses to Coaching Behaviors

JEFF ELISON AND ALEX M. SCHULTZ

Adams State University

The Compass of Shame model was used to investigate female college athletes' (n=80) responses to coaches' behaviors. Positive and negative outcomes were significantly correlated with athletes' perceptions of their coaches' behaviors. Attack self, withdrawal, and attack other (not avoidance) shame-coping styles were correlated with both perceptions and outcomes.

2:25

Effects of Pregnancy on ERP-Measured Cognitive Control: A Longitudinal Study

DUSTIN M LOGAN, DAVID RACKHAM AND MICHAEL J. LARSON

Brigham Young University

The effects of pregnancy and the postpartum period on cognitive functioning and control were examined longitudinally and compared to controls. Eighteen pregnant women and 20 never-pregnant controls completed an EEG task aimed at assessing cognitive control at two time points. Postpartum women had increased vigilance to task requirements.

2:40

Being Female in the Transportation Industry: Exploring the Lack of Women in Transportation

RACHEL MULHOLLAND, BRIANA HEDMAN, ALLISON BONDANZA AND PATRICK SHERRY

The University of Denver

Staffing shortages were projected for the transportation industry in the next decade. Results of a survey of women currently employed in the transportation industry, where only 25% of the work force is female, provided the basis for recommendations on recruitment, development, and training policies and programs.

2:55

Coping Styles for Sport-Related Anxiety and Gender Roles

NICKI CUPIT AND KRISTINA SANDERS

Metropolitan State University of Denver

This study examines whether gender role predicts preferred coping styles among college athletes dealing with sport performance-related anxiety. Thirty-six MSU Denver athletes completed questionnaires measuring anxiety, coping, and sex-roles. Results revealed that the more masculine an athlete is, the more likely they use an approach coping style.

Faculty Sponsor: Pamela Ansborg

## Social

Oral Paper Session, Friday, 2:10 – 3:10 pm, Platte River

Moderator: GARRETT STROSSER, Southern Utah University

2:10

The Effects of Humility and Self-Construals on Group Member Acceptance

JACQUELINE GRIFFITHS AND SAKI UEMURA

University of Nebraska at Kearney

This study examined the effects of cultural orientation (individualism/collectivism) on acceptance and likeability of egotistical vs. humble "do-gooders" who make valuable contributions to the group. The results indicated that collectivists but not individualists were less likely to approve of a self-centered "do-gooder" despite their value to the group.

Faculty Sponsor: Richard L. Miller

2:25

The National Alliance on Mental Illness's Peer-to-Peer Class and its Effects on Mental Health Literacy and Recovery

ARIEL HARGRAVE

Weber State University

To measure the effectiveness of the Nami Bridges class, a pre and post assessment was given at the beginning of the class before material was presented and at the end of the class. Key factors to recovery and mental health literacy were assessed using a five point Likert scale. Data collection and analysis is in progress.

Faculty Sponsor: Melinda Russell-Stamp

2:40

He Is Not Fat, Unhealthy, Lazy, Etc., He Plays Football: A Social Cognitive Bias in Person Perception Evaluations

GRANT C. CORSE<sup>1</sup>, MICHAEL SAUCEDA<sup>1</sup>, MATTHEW SCHMIDT<sup>1</sup>, WENDY GALE<sup>1</sup>, CANDACE FOWLES<sup>1</sup> AND JOSEPH M. GOODMAN<sup>2</sup>

<sup>1</sup>Southern Utah University AND <sup>2</sup>Illinois State University

Participants viewed a single picture of one of two individuals. One individual, with an obese Body Mass Index (BMI) was presented as a football player, college student, or thyroid disease sufferer, the other (normal BMI) as a football player or student. Results demonstrated a bias in perception.

2:55

Effects of Undeserved Reward and Personality on Short and Long-Term Generosity

DANIELLE HOFFMANN AND CHELSEA ATKINS

University of Nebraska at Kearney

This study examined how undeserved winning affects a person's generosity when playing a computer game. In the experimental condition, the computer broke creating an undeserved winner. In the control condition, no computer broke, creating a fair winner. In splitting their winnings, undeserved winners were more generous than fair winners.

Faculty Sponsor: Richard L. Miller

## Psi Chi Symposium

### Increasing Your Odds: Tips for Getting into Graduate School

Friday, 2:10 – 3:10 pm

Cherry Creek

Presenter:

SUSAN AMATO-HENDERSON, Psi Chi Past-President

Learn what to do as an undergraduate, how to find and select schools to apply to, and how to prep your submission materials in a way to increase your odds for acceptance into a graduate program. If you are passionate about continuing your education, this session is for you. If you are not sure if you are ready, come and find out what it takes!

## RMPA Symposium

### The Long-Term Decline of Service Academy Honor Systems

Friday, 3:20 – 4:20 pm

Platte River

Presenters:

FREDERICK V. MALMSTROM, Univ. of the Rockies  
AND R. DAVID MULLIN, Univ. of Colorado, CO Springs

Honor code violations by service academy graduates have been on a significant increase for the past half-century. Survey results of over 3100 graduates and former cadets from service academies conclude that toleration of dishonesty is both a major contributor to organizational cynicism and the main ingredient to honor code violations.

## Ellis-Battig Memory Symposium

Friday, 3:20 – 5 pm

Durango

Moderator: AARON S. RICHMOND, Metropolitan State University of Denver

Recent Discoveries Regarding Stress and the Tip-of-the-Tongue Phenomenon

LORI E. JAMES<sup>1</sup>, CHRISTOPHER SCHMANK<sup>1</sup>, NICHOL CASTRO<sup>1</sup>, MICHELLE A. HENDRICKS<sup>2</sup>, and TONY W. BUCHANAN<sup>1</sup>

<sup>1</sup>University of Colorado- Colorado Springs; <sup>2</sup>Saint Louis University  
Stress is believed to affect the frequency of tip-of-the-tongue (TOT) states, but little research has tested this suggestion. Our participants performed word and name retrieval tasks in stressful or non-stressful testing situations. Stress condition increased TOTs only when stress continued throughout the retrieval task. Additionally, participants in whom stress elicited a cortisol response had increased TOTs overall.

Semantic feature-matching as a basis for recognition during recall failure

ANNE M. CLEARY

Colorado State University

When a retrieval cue fails to elicit recall of a studied target, participants can still recognize the cue as familiar when it resembles that studied target. Previous research suggests that feature-matching underlies this ability. The present study demonstrated that semantic features from production norms can participate in the feature-matching process.

The Mnemonic Benefits of Testing Generalize to Non-Tested Information

EDWARD DELOSH

Colorado State University

Of interest is whether the mnemonic benefits of testing extend to non-tested information that was also present during initial learning. Data is presented showing that retrieval practice for some items enhanced memory for semantically related items, semantically unrelated items, and elements of the episodic context that were not practiced.

## Social/Gender/Diversity Posters

Poster Session, Friday, 3:20- 4:20 pm, Ballrooms A and B

### 1

Self-Control and Judgments of Mental Tasks

DYLAN GHAFFARI, CHELSEA HESTER AND CHRISTINE JAEGER  
Metropolitan State University of Denver

Self-control is a limited resource and its levels can affect judgments. While past research has shown depleting self-control to increase estimates of time expended, the present research shows that higher trait levels of self-control are associated with judgments of tasks being easier and having taken less time.

Faculty Sponsor: Chad Mortensen

### 2

Increasing Positive Affect to Modify Emotional Responsiveness

SARAH LIEBERENZ

Metropolitan State University of Denver

Positive psychological interventions have shown to increase an individual's positive affect in a variety of ways. This current study uses two positive psychological manipulations, recalling something good that happened and gratitude letter writing, as an attempt to modify emotional responses to negative and positive stimuli.

Faculty Sponsor: Anne Weiher

### 3

Evaluating Your Instructor

JILLIAN STERNS

Metropolitan State University of Denver

Gender-based stereotype's effect on perceptions of intelligence was evaluated. Participants evaluated male and female instructors after reading an excerpt from a statistics or social psychology class. The men scored higher in the overall evaluation when the women were paired with social psychology and the men were paired with statistics.

Faculty Sponsor: Lesley Hathorn

### 4

Does How You Were Parented Affect Your Social Anxiety?

ASHLEY STAMPS

Metropolitan State University of Denver

This study investigated if there is a relationship between type of parenting style and social anxiety tendencies in a person. Fifty students were given parental authority and social anxiety questionnaires. Authoritarian, authoritative, and permissive parenting styles were assessed. Results for authoritative parenting support the hypothesis.

Faculty Sponsor: Pamela Ansborg



## Social/Gender/Diversity Posters (cont.)

5

Delay of Gratification: Does Gender Role Matter?

SHANNON HAMPTON AND ANNA ROPP

Metropolitan State University of Denver

Previous research suggests that a person's biological sex is not related to a person's ability to defer gratification. This study explored whether a person's gender role (masculinity, femininity, or androgyny) is related to a person's ability to defer gratification.

6

Reducing Prejudice against Immigrants through Self-Affirmations

LISYURI GALLARDO

Metropolitan State University of Denver

Self-affirmation was induced in 85 students; Modern Racism Scale and Fascism-scale were scored and the results showed that prejudice was not reduced. On the other hand, there was a significant correlation between the scales.

Faculty Sponsor: Lesley Hathorn

7

Stereotyped and Hostile Behaviors in Computer-Mediated

Communication: A Social Identity Approach

EMILY BRIGNONE AND JOSHUA MARQUIT

Weber State University

The Social Identity Model of Deindividuation Effects provides an explanation for hostile and stereotyped behaviors toward targets in computer-mediated communication. This study utilized a factorial design to assess the differences between identifiability versus anonymity and in-group versus out-group audience. Results provide additional support for the components of this model.

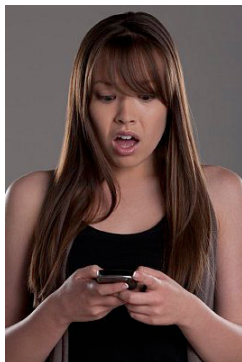
8

Sexting among College Students

SCOTT PLOHARZ AND TODD BAIRD

Weber State University

"Sexting," the sending and receiving of text or picture messages containing sexual content, has become a common behavior among college students. This study (n = 290) examines the prevalence of sexting behavior, the reasons individuals engage in sexting, and sexting's possible effects on romantic relationships and individuals.



9

The Politics of War: Political Parties and Attitudes about War

JASON MCALLISTER AND DOUGLAS EMERSON

Eastern Washington University

The PAIRTAPS was administered to 248 college students that included political preferences, statements about patriotism, war, execution, conscription, torture, and terrorism. Significant differences between political preferences and gender on attitudes of war were found. Democratic and female students showed more sensitivity to war issues measured than republican and male students.

Faculty Sponsor: Mahlon Dalley

10

Effects of Gender on Attitudes towards the Capabilities of the Deaf

MEGAN HART

Adams State University

The present study examined the effect of gender on attitudes regarding the capabilities of the deaf. Ninety-five students from at a small, western university participated in this research. Confirming our hypothesis, the results suggest females showed more positive attitudes than males.

Faculty Sponsor: Leslie Cramblet Alvarez

11

Coping with Rejection-Induced Emotions and Shame

TUCKER JONES AND JEFF ELISON

Adams State University

We used a rejection paradigm in which participants were told they had or had not been selected to work in a group. Their styles of emotional coping were assessed immediately and a few days later, so that we could compare reactions between inclusion/exclusion and changes in coping over time.



12

Non-Addictive Digital Media Consumption and Its Correlation to Marital Satisfaction

KAILEY MADSEN, TIFFANY KNIGHT, SHERIDAN DASTRUP, MEGAN SKIDMORE AND CHRISTOPHER PORCELLI

Snow College

Through a marital satisfaction survey and a digital media consumption survey, we examined whether there is a correlation between the digital media consumption and marital satisfaction.

Faculty Sponsor: Nick Marsing

## Social/Gender/Diversity Posters (cont.)

### 13

Predicting Shyness from Exercise Motivations

JEANNINE KLEIN AND N. CLAYTON SILVER

University of Nevada Las Vegas

The purpose of this study was to determine if there are differences in sexes and ethnicities for predicting shyness from motivation to exercise. Shyness was significantly predicted from the scales of the Exercise Motivations Inventory.

### 14

The Use of Path Analysis to Examine Mediating Variables Between Purchase Type and Happiness

REBECCA THOMAS AND MURRAY MILLAR

University of Nevada Las Vegas

Research has demonstrated that people are happier with experiential purchases compared to material purchases. Impacts on the self and interpersonal relationships were investigated as mediators. To establish meditational influence, path models were constructed and it was found that Impact on the Self mediated discretionary purchases and happiness.

### 15

Effects of Nostalgia on Creativity

JARED VINEYARD AND KATHLEEN MCCULLOCH

Idaho State University

Little is known about the impact of nostalgia on creativity. We hypothesized that the nostalgic experience may lead to thinking "inside the box." Participants were exposed to 30 song clips or 30 random tones, and then completed the Guilford Alternative Use Task. Results showed that nostalgia lowered creative output.

### 16

The Role of The Frequency of Correspondent Behavior and Trait Stereotypes in Trait Attribution

ARWEN BEHREND, DAVID SANBONMATSU, DOMINIKA MAZUR AND SHANNON MOORE

University of Utah

An extension of Rothbart and Park's (1986) important investigation of trait attribution revealed that the relative frequency of trait consistent behavior shapes the behavioral expectations of trait stereotypes which, in turn, determine the amount of evidence needed for trait confirmation and disconfirmation, and the likelihood of change in trait impressions.

### 17

Helping Asexuality out of the Closet: A Call for Acceptance

ELIZABETH RUECHEL AND JEFFREY RINGS

University of Northern Colorado

We aim to highlight the paucity of research on asexuality as a sexual identity, describe the current state of the literature, conceptualize possible rationales for the absence of research, and propose a call for research while promoting and emphasizing future directions in the study of asexuality.

### 18

Assertiveness Perception of African American, Hispanic, and Caucasian Women

KISORI M. THOMAS

University of Colorado Boulder

Nine students of African/African American, Hispanic or Caucasian descent rated pictures of 3 models (one of each ethnicity) on how assertive the models would be in a scenario on a scale of one to six. Subjects rated the African/African American model as more assertive than the Hispanic and Caucasian models.

Faculty Sponsor: Alice Healy

### 19

Stereotype Threat Re-Examined: How Test Instructions that Elicit Stereotype Threat Shape Women's Math Performance

DEVI DEVIYANTI, SILVIA SARA CANETTO AND PAUL R. HERNANDEZ  
Colorado State University

The effects of stereotype threat-induced test instructions were examined on the math performance of nine hundred thirty one undergraduate women. Women who were informed that women outperformed men in math did better when they were told that the test was diagnostic than when they thought it was not, consistent with stereotype threat theory.

### 20

Women's Views and Experiences with Female Mentors and Models in Academic Science

CARLIE D. TROTT, SARAH STEVENS AND SILVIA SARA CANETTO  
Colorado State University

Semi-structured interviews were conducted with 25 female graduate students to explore views and experiences of female mentors and models. Female models were viewed as critical to students' success. However, interaction with academic mentors led some women to view academic careers as incompatible with family, lessening their interest in the doctorate.

## Social/Gender/Diversity Posters (cont.)

21

Heterosexism as a Predictor of Homosexual Discrimination in Adoption Cases

EVELYN STRATMOEN AND THOMAS HANCOCK

University of Central Oklahoma at Edmond

The effect of heterosexism as a predictor for discrimination in adoption cases with same-sex couples was examined. Adoption scenarios were randomly presented to two hundred fifty students. A scale was administered to assess level of heterosexism. Results indicate the level of heterosexism was not a predictor of rejection of same-sex couple adoption.

22

Parents' Intercultural Sensitivity and Prejudicial Attitudes Linked to Children's Placement in a Dual-Immersion Spanish Language Program

MICHAEL SAUCEDA AND DAVID W. SHWALB

Southern Utah University

Parents' levels of intercultural sensitivity (ICS) were examined and compared to their decision to enroll their child in a dual-immersion language program. One hundred parents were administered ICS inventories. Parents with higher ICS were more likely to enroll their child in the program.

23

Are They Really That Different? Beliefs about College Athletes from the Eyes of College Athletes and Non-Athletes

DESIREE A. YOUNG, CHAD M. ARECHIGA AND ALEXIS D. LAWTON

Western New Mexico University

A survey experiment investigated stereotypes of collegiate athletes' academic performance and personal characteristics, including industriousness, humanitarianism, responsibility and self-confidence. Athletes and non-athletes were surveyed with both groups assessing athletes from their own perspective and then from the perspective of the other group. Preliminary results indicate surprising between-group differences.

Faculty Sponsor: Jennifer Coleman



## Psi Chi Award Winners

Oral Paper Session, Saturday, 4:00 – 5:30 pm, Cherry Creek

Moderators: RONA MCCALL, Regis University & AARON S. RICHMOND, Metropolitan State University of Denver

4:00

Peer and Romantic Partner Frequency and Approval of Use as Predictors of Substance Use Behavior in Late Adolescence

DYLAN FIRSICK AND ELIZABETH ALLEN

University of Northern Colorado and University of Colorado Denver

Research has found that peer attitudes and behaviors predict substance use in adolescence. Little research, however, has examined the influence of romantic partners. The present study investigated romantic partner/peer influence as predictors of use in college students. Romantic partner frequency of use and approval of use significantly predicted adolescent use.

4:15

On-Line or In-Lab? A Comparison of Methodologies in Prospective Memory Experiments

ANNA J. FAHLSING AND SUZANNA P. PENNINGROTH

University of Wyoming

We performed two social prospective memory experiments with nearly identical methodologies: one on-line and one 'in-lab.' More data were lost (participants excluded) in the on-line than the in-lab study. This difference was seen in overall data loss and loss due to not remembering instructions. Implications for research are discussed.

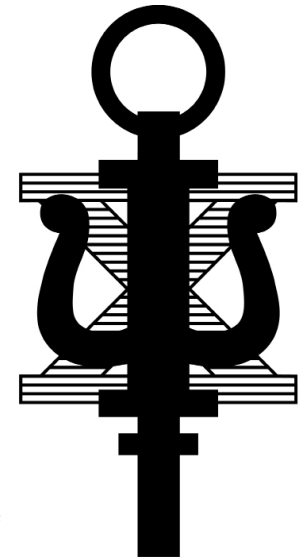
4:30

The Effects of Cultural Thinking Styles on the Better-Than-Average Effect

KRISTIN BROUSSARD AND CHAD MORTENSEN

Metropolitan State University of Denver

This research examines the effect of primed cultural perceptual style (analytic vs. holistic) on the Better-Than-Average Effect. Study 1 primed participants using a story and Study 2 used exposure to East Asian language classes as the prime. Preliminary analyses show potential for significant results supporting hypotheses with increased sample size.



## PSI CHI Award Winners (cont.)

4:45

Resilience in Older Adults Dwelling in Rural Wyoming  
MARIA DOBELMANN, AARON LEE, CATHERINE CARRICO AND  
CHRISTINE MCKIBBIN  
University of Wyoming

This study examined social networks and perceived mental health as predictors of resilience among 228, rural, community-dwelling, older adults. Social networks and perceived mental health scores independently predicted resilience in older adults while controlling for age and gender. Further, perceived mental health and social networks interacted to predict resilience.



5:00

A New Instrument to Aid in Early Diagnosis for Autism Spectrum Disorder

PETER D. MARLE AND FREDERICK L. COOLIDGE  
University of Colorado, Colorado Springs

The present study reports psychometric properties of a new survey aligned with proposed DSM-5 criteria for autism spectrum disorder (ASD) to be used as an early diagnostic aid. Preliminary results indicate that the new survey is valid, demonstrates good reliability, and is able to differentiate among the autism spectrum.

5:15

Beck's Congruency Model of Depression: A Comparison of Japanese and American College Students

MIKA MORIWAKI<sup>1</sup>, CAROLYN M. PEPPER<sup>1</sup>, SHINJI SAKAMOTO<sup>2</sup> AND  
ITSUKI YAMAKAWA<sup>2</sup>

<sup>1</sup>University of Wyoming AND <sup>2</sup>Nihon University

This study investigated cultural differences between Japanese and American students on Beck's congruency model of depression. Results suggest that Beck's model is valid only with the sociotropic congruency model for Americans. Depression was associated with negative life events, but not with personality modes within the Japanese sample.

*Psi Chi Award Winners will receive their awards during the Psi Chi awards reception and raffle drawing (6 pm in Cherry Creek)!*

## Measurement

Oral Paper Session, Friday, 4:30 – 5:30 pm, Platte River

Moderator: N. CLAYTON SILVER, University of Nevada, Las Vegas

4:30

The Body Assessment Rating Scale (BARS): A Confirmatory Factor Analysis

MEGAN M. BOWEN, DUSTIN LOGAN, NICHOLAS SMILEY AND DIANE SPANGLER

Brigham Young University

The Body Assessment Rating Scale (BARS) was created to measure both body satisfaction and dissatisfaction. The BARS was administered to 252 women, 61% of which met DSM-IV-TR eating disorder criteria. Our confirmatory factor analysis of a two-factor model confirmed that the BARS represents both body satisfaction and dissatisfaction.

Faculty Sponsor: Bruce Carpenter

4:45

Assessing Resiliency in Rural Public School Students: Convergence and Divergent Validity of the Resiliency Scale for Children and Adolescents  
SKYE NAPOLITANO<sup>2,3</sup>, BOB BAYUK<sup>1</sup>, AUDREY BOOTH<sup>2</sup>, BRANDON JACKSON<sup>2</sup> AND SHAWN POWELL<sup>3</sup>

<sup>1</sup>Psychological Services, Inc. of Worland, WY, <sup>2</sup>University of Wyoming, AND <sup>3</sup>Casper College

The Resiliency Scales for Children and Adolescents (RSCA) was administered to 86 rural school students in grades 3 to 12. Relationships between RSCA scales suggest it has good convergent validity and divergent validity when administered to students in rural schools. Future research using the RSCA in rural settings is warranted.

5:00

A Reaction Time Measure of Validity: Internal Religiosity

BLISSE VOIGT, APRIL KNIGHT, TODD BAIRD AND AARON ASHLEY  
Weber State University

The current study uses a reaction time paradigm to assess the validity of the internal religiosity construct as measured by the RLI. Participants completed computerized versions of the RLI followed by a speeded lexical decision task for religious and non-religious terms.

5:15

Validity Issues in The Compass of Shame Scale

JEFF ELISON, KATE PUGLIESE AND TUCKER JONES  
Adams State University

Prior results with the Compass of Shame Scale (CoSS) led to two questions about validity. Do attack self and withdrawal have discriminant validity? Does the avoidance subscale demonstrate criterion-related validity? These questions were addressed using the Conformity Scale, the Liebowitz Social Anxiety Scale, and the BIDR Self-Deceptive Denial Scale.



## Worth Distinguished Lecture



*Teachers and Students:  
Psychology's Odd Couple*

**RONALD J. COMER**  
Princeton University

*Friday, 4:30 – 5:30 pm  
Ballroom C*

Moderator: WAYNE WEITEN, Univ. of Nevada, Las Vegas

The relationship between students and teachers in psychology sometimes parallels that of a troubled marriage. Using a marital therapy model, this talk examines some of the key stressors in this relationship, including conflicting goals and needs; miscommunications, misattributions, and misperceptions; power differences; pet peeves and irritations; conflicting values and attitudes toward education; inaccurate expectations; and unconscious fears, doubts, and defense mechanisms. Does this marriage have a future? Can it be saved? Spoiler alert: Yes!



*You are cordially invited to attend the*

**WORTH PUBLISHERS Reception**  
at the Rocky Mountain Psychological Association Convention

*With Special Guest and Worth Author Ronald J. Comer*

**Friday, April 12, 6:00 to 7:30 pm**  
**Renaissance Denver Hotel, Telluride A.**

Hosted by WORTH PUBLISHERS:

Rory Baruth, Laura Hanrahan, Matt Ehrlich, Brendan Cady, Jay Walker,  
GK Risser, Lindsay Johnson and Tom Kling



**RMPA would like to thank Worth Publishers  
for their continued support!**

## ***Psi Chi Awards Reception and Raffle Drawing***

*Friday, 6:00 – 7:00 pm  
Cherry Creek*

Hosts:

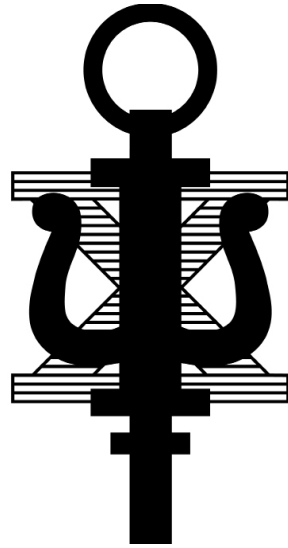
SUSAN E. BECKER, Colorado  
Mesa University

JASON YOUNG, Psi Chi  
International President

SUSAN AMATO-HENDERSON,  
Psi Chi International P  
ast-President

MARTHA ZLOKOVICH, Psi Chi  
International Executive Director

KRIS TRIMBLE, Colorado Mesa  
University



All students welcome to come congratulate the award winners. Come in person to see if you win something special from Psi Chi!

building  
relationships that  
advance psychology



## **PSI CHI is ...**

- the largest psychological organization in the world with more than **600,000 members** inducted since its founding in 1929.
- comprised of a network of chapters that extends to **over 1,100 colleges and universities**.
- for undergraduates, **first-time membership for graduate students**, and full-time psychology faculty who have earned a doctorate.
- **committed to leadership** by offering programming at all regional conventions.
- **an international organization** broadening its mission to embrace faculty and students regardless of geography.
- developing relationships with minority leaders and organizations to reflect the **rich diversity of people and perspectives** in psychology.
- an advocate for research by **awarding over \$300,000** in awards and grants to its members and offering **opportunities to publish** in the *Psi Chi Journal*.
- a **lifetime membership** with a onetime joining fee.



Stay connected with PSI CHI





## Top Ten Things to Do in Denver on Friday Night

1. Bring your weed; now its not only the football team that gets smoked in bowls.
2. Transfer to the CU Gun Dorm, Live a little, if not long.
3. Attend the debate between Dr. Comer and Dr. Viney concerning the identities of Psychology's oddest couple, who are suspected to be on the RMPA executive committee.
4. \*Park on the shoulder of the eastbound Interstate at either the Nebraska or Kansas state line and watch the State Patrol drug dogs do their job.
5. Help RMPA Treasurer Sanders decide on whether to invest RMPA funds in Spain, Italy, or Powerball tickets.
6. Join Dr. Keith as he performs a Jedi mind meld with actual voices from the past.
7. \*Rub a little THC on the license plates of RMPA officers from Nebraska and watch them on the TV news on Sunday night. (The NE drug dogs are very good.)
8. Looking for some action? Tell her/him your just checking for ticks.
9. Tough choice between real Denver events: Dumpstaphunk At Cervantes' Masterpiece Ballroom OR Hildegard of Bingen and the Living Light @ MSU Denver.
10. Because of the Sequestration, to-do items concerning Human Mating with Dr. Buss, Textbook Ethics with Dr. Weiten, and Shadows with Dr. Greene were cut. (According to a White House press release, those items were very humorous and, as a result of being cut, will adversely affect the economic recovery.)



\*Suggested for humoroidal purposes only, always obey the law. RMPA does not condone illegal behavior.

## SATURDAY ACTIVITIES

### Social/Law/IO/Sport Posters

Poster Session, Saturday, 8:00- 9:00 am, Ballrooms A and B

#### 1

The Relation between Outdoor Recreational Settings and the Benefits Sought

BRIAN PARRY, MATT LESCROART, COURTNEY CARVER AND JUSTIN GOLLOB

Colorado Mesa University

The purpose of this study was to experimentally identify the relationships between recreation settings and the benefits sought by outdoor recreationists. Outdoor recreationists representing diverse demographics participated in a study in which the setting type was manipulated to understand its relationship to the benefits sought by these individuals.

#### 2

Cultural Differences in Explicit Attitudes toward and Care of the Elderly among Students from Japan and America

MIKA MORIWAKI<sup>1</sup>, CAROLYN PEPPER<sup>1</sup>, ITSUKI YAMAKAWA<sup>2</sup>, AND SHINJI SAKAMOTO<sup>2</sup>

<sup>1</sup>University of Wyoming AND <sup>2</sup>Nihon University

This study assessed cultural differences on explicit attitudes toward the elderly, perceptions of inadequate elder care, and reporting thresholds. American participants were more likely to have positive attitudes and responsibilities toward the elderly, label inadequate elder care situations as abusive, and intend to report situations without extra information than Japanese students.

#### 3

Dating Preferences and Perceptions of Gender Identity toward Individuals with Body Modifications

COLLIN BURNS

Boise State University

Perceptions on gender identity based off of various forms of body modification, as well as dating preferences toward individuals with many types of body modification were measured. The preferences of 306 Psychology 101 students, both with and without body modifications, were measured.

Faculty Sponsor: Mary Pritchard

## Social/Law/IO/Sport Posters (cont.)

**4**

The Functions of Self-Esteem Enhancement and Close Relationships in Terror Management Theory

BROOKE CRAMBLITT AND MARY PRITCHARD

Boise State University

The purpose of this study will be to investigate the function of self-esteem enhancement and close relationships in terror management. An ANOVA will be conducted to see to investigate the relationships between self-esteem and close relationships in managing terror. We predict close relationships will manage terror regardless of self-esteem enhancement.

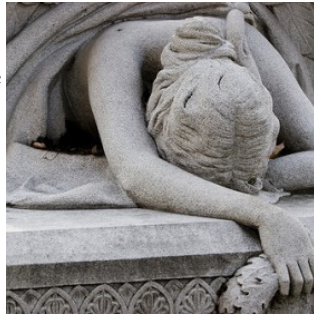
**5**

Dealing with Grief: Interacting Through Social Networking Sites

JOHN RAACKE, JENNIFER BONDS-RAACKE AND APRIL PARK

Fort Hays State University

The purpose of the current study was to investigate the impact of social networking sites on grief. Results indicated many people maintain relationships with individuals who are deceased via social networking sites. Additionally, people who maintain these relationships engage in a variety of interactions with their deceased friends' accounts.



**6**

Examining The Connection Between Facebook Wall Posts and Romantic Relationships

MELANIE MABREY AND JENNIFER BONDS-RAACKE

Fort Hays State University

Affectionate Facebook wall posts are an emerging form of communication, which plays an important role in romantic relationships. The current study examines the connection between affectionate wall posts to Facebook jealousy, the desire to be accepted by peers, relationship satisfaction, and how others perceive the wall posts.

**7**

How Do People interact with Each Other in an MMORPG: A Netnography

STEVEN POWNER

University of Northern Colorado

This netnography explores the social interactions of individuals who play an online massive multiplayer online game (MMO). Two individuals were interviewed and over 100 hours of observation and interaction were conducted. Results showed four major themes: aggression, culture, leadership, and friendship sustainability.

Faculty Sponsor: Maria Lahman

**8**

Resilience in Fire Victims

AUSTIN SEELEY AND NANCY J. KARLIN

University of Northern Colorado

The purpose of this study was to add to the growing body of research that seeks to develop a theoretical model of resilience in the victims of disasters. The study concentrated on age, social support, self-efficacy, and depression as predictors of resilience in victims of the 2012 fires in Colorado.

**9**

Evaluating Outgroup Membership and Moral Foundations Theory to Increase Awareness of Mexican Cartel Violence in Liberals and Conservatives

GARRETT STROSSER, ALEX VITTUM-JONES, AND JOEY CARDENAS

Southern Utah University

The relations between outgroup membership, political orientation, and dimensions of Moral Foundations Theory (Graham, Haidt, & Nosek, 2009) were evaluated in light of current Mexican cartel violence. Participants assigned dollar values to Mexican/American lives and rated strategies designed to increase awareness of this event. Theoretical and practical issues are addressed.

**10**

Attachment, PDA, and Relationship Quality: Viewing and Using Public Displays of Affections

GREG RODGERS AND LYNN H. WHITE

Southern Utah University

One area of attachment theory that is lacking ample research is its relationship with public displays of affection (PDA). This study will address that relationship between attachment style and PDA, and the effect those variables have on how participants determine the quality of relationships.

**11**

Prosocial and Antisocial Behaviors toward Middle Easterners as Propagated Mortality Saliency

STEVEN J. HYDE<sup>1</sup>, GRANT C. CORSER<sup>1</sup>, JOSEPH M. GOODMAN<sup>2</sup> AND HILARY MONSON<sup>1</sup>

<sup>1</sup>Southern Utah University AND <sup>2</sup>Illinois State University

Reported in this poster are results from a study in which participants primed with mortality saliency (vs. a control condition), perceived fairness, and how they behaved in the classic dictators' dilemma game with in-group and out-group members. Results are discussed from symbolic interactionism perspective.



## Social/Law/IO/Sport Posters (cont.)

### 12

Effects of Stress and Personality Factors on Fixing and Blaming Behavior  
KIRSTY KULHANEK AND MORGAN MILROY

University of Nebraska at Kearney

This study explored what factors might lead to blaming rather than fixing a problem. Variables examined were stress, conscientiousness, birth order, and sex. Participants faced a computer problem while completing a task. Stress did not significantly impact fixing. Sex and birth order were trending. Conscientiousness was found to decrease fixing behaviors.

Faculty Sponsor: Richard L. Miller

### 13

Step-by-Step: Is There a Recipe for Murder?

CHELSEA ATKINS

University of Nebraska at Kearney

Self-generated persuasion, a police interrogation technique, involves an interviewer asking a suspect to describe how they would hypothetically commit a crime. Presenting our participants with a specific murder scenario, we looked at common answers. Participants listed a total of 9 ways to kill and 16 ways to cover it up.

Faculty Sponsor: Krista Forrest

### 14

Prevalence of Pathological Gambling among Professional Stockbrokers  
ERICA CHRISTIANSON, JULIANNE YAVORSKI, DANIELLE MIRO, JAY HEETER AND PATRICK SHERRY

University of Denver

Recent reports have shown Pathological Gambling among stockbrokers is rising. To establish prevalence, a sample of 100 stockbrokers was invited to participate in focus groups and complete the Problem Gambling Severity Index. Focus groups revealed concerns regarding the prevalence of pathological gamblers and recommendations for improving self-monitoring in the industry.

### 15

Effects of Celebrity Status and Crime on Negative Evaluation

STEPHANIE REITER

University of Denver

This study investigated the social influence that celebrities may possess and perception of criminality. Ratings of the seriousness of crimes increased with perceived impact of victimization. Participants evaluated crimes more positively when a celebrity status was present. Assault had more negative evaluation than either DUI or drug possession.

Faculty Sponsor: Patton Garriott

### 16

Best Practices for Inclusiveness in the Workplace

BRIANA HEDMAN, JESSICA HENRITZE-HOYE AND PATRICK SHERRY

University of Denver

Inclusiveness in the workplace was assessed using a survey administered to employees at a local transportation company. Over 1000 employees were asked to answer questions on belongingness, control, climate, fairness, and satisfaction within the workplace. Analyses revealed which of those five domains are most predictive of achieving inclusiveness in the workplace.

### 17

Protective Factors for Juveniles at Risk for Re-Engaging in Delinquent Behavior

KIMBERLY HALLER

Fairleigh Dickinson University

The present study was conducted to determine if protective factors can predict the reduction of certain delinquent behaviors. Researchers sampled a large number of children who were wards of the MA Department of Social Services. Evidence of treatment and social skills were more predictive than the lack of presence of risk factors in protecting against re-engaging in behaviors.

### 18

The Greenhouse Effect: Indoor Plants and Academic Classroom Performance

ELLIOTT DENNIS AND ERIC SMERDON

Brigham Young University at Idaho

The study investigated the effects of classroom greenery on college students' classroom performance. Fifty students studied developmental psychology in one of three rooms: with a fake plant, a real plant, or in absence of a plant. No significant effect in classroom performance was found between fake, real, or no greenery.

Faculty Sponsor: Kydra Roberts

### 19

Sex and Ethnicity Differences in Investment Literacy and Risk

JOANNE R ULLMAN AND N. CLAYTON SILVER

University of Nevada Las Vegas

The purpose of this study was to determine if there were differences in sexes and ethnicities in investment literacy and investment risk. Males scored higher in investment risk taking than did females. Asians and Caucasians scored higher on investment literacy than did Hispanics and African-Americans.

**20**

Core Self Evaluations and Job Performance in a Unique Setting  
 JOSHUA R. COOPER, CASEY J. ZOBELL, AUSTIN ANDERSON, JASON  
 A. SNOW, BEN A. JOHNSON, JOSPEH M. BAKER AND SCOTT C. BATES  
 Utah State University

The self-concept was observed in relation to job performance at a telemarketing company. One hundred twenty participants were administered an assessment to measure their Core Self-Evaluations (locus of control, self-efficacy, self-esteem, and low-neuroticism). We predicted that higher scores would be positively correlated to job performance.

**21**

Multivariate Employee Screening Assessment  
 BENJAMIN A JOHNSON, JASON A. SNOW, CJ ZOBEL, JOSHUA  
 COOPER AND AUSTIN ANDERSON  
 Utah State University

This study tested the effectiveness of using a potential employment screening assessment to be used at telemarketing agency. We administered the assessment to employees and paired results with employee sales per hour.

Faculty Sponsor: Scott Bates

**22**

The Effects of Gender and Student Status on Procrastination  
 KYLE MARTIN, VALENTINO DRESSLER AND ROBERT DEMSKI  
 Adams State University

The effects of gender and student status (athlete/non-athlete) on procrastination were examined. Fifty-three students completed the Aitken Procrastination Inventory. This measure was specifically developed to assess undergraduate academic procrastination. The results showed that female athletes reported less procrastination compared to male non-athletes.

**23**

College Tennis Players: Pressure, Abuse, Support, and Involvement from Parents  
 ANNIKA KARLSEN, WEI QIU AND JOSHUA MARQUIT  
 Weber State University

An exploratory study of current elite college tennis players was conducted to compare four components of the athlete-parent relationship from the perspective of the athlete. A 25 question survey was administered online to 132 elite college tennis players. Pressure factors were found to be correlated with emotional and verbal abuse.

Oral Paper Session, Saturday, 8:00 – 9:00 am, Big Thompson

Moderator: CYNTHIA ERICKSON, Metropolitan State University of Denver

8:00

The Relationship of Executive Functions to Trait and State Forgiveness  
 JASON SWIFT AND IAN WILLIAMSON  
 New Mexico Highlands University

Research regarding the relationship between executive functions and forgiveness demonstrated a discrepancy concerning impulse control. We investigated the relationship between executive functions and forgiveness using a combination of neuropsychological tasks and self-report methodologies. Generally, it was found that impulse control and executive functions were positively related to forgiveness.

8:15

The Effects of Emotional and Physical Health Symptoms on Stroop Test and Trails A/B Performance  
 SHAWN POWELL, JENNIFER WINEBERG, KAJA RACZYNSKA, JUBAL  
 MILES, BRIANA PARSONS AND LAURA CAPASSO  
 University of Wyoming/Casper College

Stroop test and Trails A/B were correlated with brief screening measures of stress, anxiety, depression, and physical health. The study was conducted to determine the relationship between emotional/physical status and test performance. Participants were 109 college students. The emotional measures had negligible correlations with Stroop test and Trails A/B results.

8:30

The D2 Test of Attention: Do Practice Effects Interfere with Medication Evaluation?  
 THOMAS LINZ AND JESSICA CHADWICK  
 Marshall University

Assessing medication effects often requires repeating measures such as the d2 Test of Attention. This study addresses the utility of the d2 for assessing medication effects in 7-10 year olds. Discussion will include whether improvements in scores reflect practice effects or are due to the effects of ADHD medications.

8:45

Anxiety Vulnerable Individuals Exhibit Enhanced Classical Eyeblink Conditioning: A Learning Diathesis Model of Anxiety Disorders  
 M. TODD ALLEN  
 University of Northern Colorado

Anxiety disorders like PTSD may be due to personality and learning differences. Behaviorally inhibited individuals were trained in a delay, omission, yoked or partial reinforcement eyeblink conditioning paradigm. Anxiety vulnerable individuals exhibited accelerated acquisition of CRs and slowed extinction. Acquisition and extinction effects were strongest in the partial reinforcement paradigm.

## Developmental

Oral Paper Session, Saturday, 8:00 – 9:00 am, Platte River

Moderator: JANETT NAYLOR, Fort Hays State University

8:00

Stressed and Depressed: The Role of Self-Compassion in College Students' Well-Being

SHARON WHARTON AND LISA BADANES

Metropolitan State University of Denver

Stressful life events are a risk factor for depression. Self-compassion is an unexplored potential moderator. In a sample of 192 undergraduates, stress was positively correlated with depressive symptoms. However, even when faced with life stressors, if the participant was high in self-compassion, they scored under the clinical cutoff for depression.

8:15

Cross-Cultural Differences in Children's Preferences for Moral Tales

TYLER COLLETTE<sup>1</sup> AND RICHARD L. MILLER<sup>2</sup>

<sup>1</sup>University of Texas - San Antonio AND <sup>2</sup>University of Nebraska at Kearney

This study examined the effects of cultural orientation (individualism/collectivism) on children's preferences for stories that illustrated either individualist or collectivist values. We found that children who were collectivists preferred stories with a collectivist value (e.g., connectedness) while children who were individualists preferred stories with an individualist value (e.g., autonomy).

8:30

An Analysis of Recidivism Rates in Youth Court vs. Traditional Juvenile Justice System Participants

SCOTT PLOHARZ, PATRICIA DIRKS, LOGAN ZARING, BRITANI DELBO, SHAUNA SUGOMOTO, BLISSE VOIGT AND MELINDA RUSSELL-STAMP

Weber State University

The efficacy of the Youth Court program was assessed by comparing recidivism rates of the Youth Court sample to the Juvenile Justice program. Risk and protective factors that may have contributed to recidivism differences were evaluated to provide a possible explanation for differences in recidivism rates.

8:45

Susceptibility to Eating Disorders: Are Bullies and Victims at High Risk?

KRISTINA SANDERS, KATHERINE M. MILLER, PEJMON POURRIAH AND CHERYL E. SANDERS

Metropolitan State University of Denver

This study examined the relationship between bullying, victimization and eating disorders. Undergraduate students completed the Olweus Bully/Victim questionnaire and the Eating Attitudes Test-26 (EAT-26) as a means of assessing their participation in bullying, victimization, and tendencies toward eating disorders. Results and implications of clinical interest will be discussed.

## Education

Oral Paper Session, Saturday, 8:00 – 9:00 am, Durango

Moderator: LESLEY HATHORN, Metropolitan State University of Denver

8:00

The Effects of a Complex Classroom Intervention on Students' Perceptions in STEM Courses

RALPH BODIN, JONATHAN ELLIOTT, MUBARAK AL SALAMI, PAUL HERNANDEZ AND MICHAEL DE MIRANDA

Colorado State University

The effects of a complex classroom intervention on students' content knowledge, response confidence level, and perceptions of utility-value of STEM courses were examined. One hundred thirty-three students were administered pretest and post-test surveys to determine the effects. The results showed a significant positive change in two identified areas.

8:15

Take It from the Prose: The Experience of Learning and Playing Music with Dyslexia

CRYSTAL A. BAKER AND STEVEN PULOS

University of Northern Colorado

Research suggests learning considerations experienced by people with dyslexia may not be limited to language. Through interviews, we qualitatively examined the ways in which people with dyslexia learn to read and play music. Several themes found regarding the experience of learning music suggest importance for music educators.

8:30

Effectiveness of an Employability Program for the Deaf and the Blind: Impact of Communication, Social Integration and Resilience

CASEY L. SCHINDLING, MICHELLE A. BUTLER AND ANDREW D. KATAYAMA

United States Air Force Academy

We hypothesized that strong communication, social integration and resilience would positively correlate with perceived program effectiveness. Sixty-six stakeholders responded to surveys regarding factors impacting a high-school employability program for the deaf and the blind. Results confirmed hypotheses.

8:45

Plagiarism and Cheating among College Students: Assessing Their Habits and What Works for Deterrence

TARA TUCKER, ESA JOHNWELL, JOCELYN ROWSE, JULIE NOLAN, DENISE FAJARDO AND JAQUELINE ROGO

Western New Mexico University

Rates and knowledge of plagiarism, cheating behavior, and personal ethics were compared across three essay writing conditions: no-intervention, Turnitin deterrent, and an educational intervention. Knowledge and ethics are explored as explanations for cheating behavior. Preliminary findings reveal interesting trends.

Faculty Sponsor: Jennifer Coleman

## Cross-Cultural Psychology

Oral Paper Session, Saturday, 8:00 – 9:00 am, Steamboat

Moderator: JEANNINE KLEIN, University of Nevada, Las Vegas

8:00

Relationships Between Regional and National Social Identification in Hong Kong

ROBERT T. SCHATZ AND NANCY SULLIVAN

Metropolitan State University of Denver AND Texas A&M University-Corpus Christi

We examined relationships between the Hong Kong respondents' regional and national social identifications in 2002 (n=240) and in 2009 (n=188). ANOVA, correlation, and regression analyses of patriotism scores suggest development of a distinctive Hong Kong regional identification vis-a-vis mainland China over this time period.

8:15

Scientific Belief System and Closed-Mindedness: A Comparison between Japanese and American Adults

KODAI KUSANO AND DAVID W. SHWALB

Southern Utah University

The present study explored the phenomenon of closed-mindedness as a personality trait using a dogmatism scale (closed-mindedness), interpersonal reactivity index (empathy), and the Five Factor Model (Openness) to measure group and individual differences among Japanese and American emerging adults. Empathy and closed-mindedness were negatively correlated among Americans, but not in most Japanese participants.

8:30

Attributions for Mental Disturbances among American Indians and Others

STEPHEN BUGGIE AND RICHARD BLOCK

University of New Mexico, Gallup AND Montana State University

Ethnic differences in attributions for mental disturbances were examined for four types of causes and five types of disturbances. A confidential rating scale was used. Spiritual/religious attributions were rare among all participants, but more common for Indians than for others. Age differences or gender differences among groups were minimal.

8:45

Art as Communication: A Pilot Outreach Project to Decrease Drop-Out Rates of Burmese Refugee Adolescents

KARIN DITTRICK-NATHAN, J.D. SILER AND ANGELA RICHARDS

University of Denver

This project began in April of 2012 to provide an outlet for creative expression for Burmese adolescents who came to Denver as refugees. Student participation in the art group seeks to reinforce protective factors such as resilience and group affiliation and ultimately provide a means to work through unresolved trauma.

## Clinical/Psychopharmacology/Personality<sup>79</sup> Assessment Posters

Poster Session, Saturday, 9:10 - 10:10 am, Ballrooms A and B

**1**

Assessing Pro-Social and Antisocial Characteristics from Facial Photographs

STEPHEN SCHEPMAN, MARY RADEKE AND ANTHONY STAHELSKI  
Central Washington University

This study evaluates participants' ability to make personality assessments of unacquainted famous adults from their pre-fame childhood facial photographs. Famous person photograph selection was based on their extreme pro-social or antisocial adult behavior. It is hypothesized that participants will differentiate between pro-social and antisocial persons by assigning each different personality characteristics.

**2**

Perceived Effectiveness of Clinical Supervision as Affected by Delivery Modality: A Quantitative Study

SARA BENDER AND STEPHEN SCHEPMAN

Central Washington University

Clinical supervision serves as a key component in ensuring practitioners' competency and professional identity. Recently, cybersupervision has become more common. This study compared supervisees' perceptions of the effectiveness of supervision in face-to-face and online environments. No significant differences were found. Implications of the results and future research recommendations are presented.

**3**

Links Between Intellect and Political Extremity

MARY COLLINS, DAMIEN OLIVARES AND JEREMY ASHTON HOUSKA  
Concordia University - Chicago

Some research suggests that political extremists possess sophisticated intellectual abilities and high levels of cognitive complexity, while other work implies that extremists are dogmatic. Our work explored the relationship between political attitudes and intellect using self-report cognitive measures. We observed an inverse relationship between conservative political attitudes and intellect.

**4**

Overachievers and Party Animals: Personality Judgments from Facebook Check-ins

JANEISHA HOOD, ERICA LAMS, CATHY WICA, CONSTANCE

NETISINGHA AND JEREMY ASHTON HOUSKA

Concordia University - Chicago

People form inferences about others based on user-generated content visible on social networking profiles. Our research investigated perceptions of personality for fictional Facebook users who utilized a location-based application. We systematically manipulated the location of check-ins. Robust effects were found for extraversion, dependability, disorganization, openness to experience, and reservation.



80 **Clinical/Psychopharmacology/Personality  
Assessment Posters (cont.)**

**5**

College Athletes' Time Management Techniques  
FRANK ADELMAN AND JORDAN HILL  
Southwestern College at Winfield Kansas

A study was conducted over college athletes' time management skills. Using surveys over time spent procrastinating, organizational techniques, and circadian rhythms. Approximately 70 athletes from different sports were asked to complete surveys over these topics in order to determine what helps college athletes accomplish the most in their day.  
Faculty Sponsor: Hannah Lann-Wolcott

**6**

Personality and Stereotype of Body Modified Individuals  
CATHERINE WARD AND TYLAR MARTINEZ  
Adams State University

Personality and stereotypes of body modified individuals was tested. It was hypothesized that modified individuals would be higher in openness and lower in agreeableness while holding less stigmas of modification. Data showed that modified individuals were higher in neuroticism and did not have different stigma scores than those without modification.  
Faculty Sponsor: Leslie Cramblet Alvarez

**7**

Birth Order, Personality Type, and Academic Achievement among College Students

ALAYNA M. ABEYTA  
Colorado State University - Pueblo

Alfred Adler was one of the first theorists to discuss birth order position and the relationship it has to personality type. It has also been suggested that birth order has an effect on one's academic achievement. This study investigates the effect of birth order on these topics among college students.

Faculty Sponsor: Krista Bridgmon

**8**

Extroversion and Higher Level Cognitive Processing in Binge Drinking  
AUDRA LEWIS AND BARBARA BANZ  
Colorado State University

The relationship between binge drinking, executive functioning and extroversion were assessed in university students using the Dysexecutive Questionnaire and Eysenck Personality Questionnaire-Revised. Individuals who engaged in binge drinking varied from their non-binge drinking peers on facets of extroverted versus introverted behavior and in higher-level problem solving and decision making.

Faculty Sponsor: Deana Davalos



81

**9**

Spanish-Speaking Latina Breast Cancer Patient Perspectives: Unmet Needs and Counseling Intervention Recommendations  
AVA R. DRENNEN, JENNIFER NGUYEN, TATTIANA ROMO AND EVELINN BORRAYO

University of Colorado Denver

Latina breast cancer (BC) patients generally experience poorer outcomes compared to non-Latinas, but extant interventions are not culturally and/or linguistically tailored. Seven Spanish-speaking Latina BC survivors were interviewed. Ethnographic content analysis revealed themes including patient characteristics, cancer and hospital experience, and intervention recommendations. Results will guide intervention development and implementation.

**10**

Healthcare Provider Perspectives: A Culturally and Linguistically Tailored Intervention for Spanish-Speaking Latina Breast Cancer Patients  
TATTIANA ROMO, JENNIFER NGUYEN, AVA DRENNEN AND EVELINN BORRAYO

University of Colorado Denver

Latina breast cancer (BC) patients experience less favorable outcomes compared to non-Latinas; however, culturally and linguistically appropriate interventions are lacking. Seven healthcare providers were interviewed. Ethnographic content analysis highlighted themes including patient factors and treatment experience, healthcare system factors, and intervention recommendations. These findings will guide intervention design and implementation.

**11**

Shakespeare at the Block Party: Measure of Aggression in Rap Music  
PAULO ARROYO

Metropolitan State University of Denver

Levels of aggression between two sub-genres of rap music were examined. Forty-seven students were exposed to either aggressive or non-aggressive lyrics and given the Aggression Questionnaire. Results showed no significant difference in aggression levels between the two sub-genres. Implications and future research are discussed.

Faculty Sponsor: Lesley Hathorn

**12**

The Effects of Attention to Negative Thoughts on Mood and State Anxiety  
THOMAS J. SCOBELL

Metropolitan State University of Denver

Attentional quality to negative thoughts was examined, testing the differential effectiveness of a one-time brief mindfulness intervention to a rational emotive behavioral therapy (REBT) intervention. The breathing space guided meditation demonstrated a significant decrease in measured state anxiety and negative affect as compared to the control and REBT group.

Faculty Sponsor: Courtney Rocheleau

82 **Clinical/Psychopharmacology/Personality  
Assessment Posters (cont.)**

**13**

The Experiences of Older Men in Later Life Repartnerships: A Pilot Study  
JANAE R. SONES

University of Northern Colorado

This phenomenological study used a constructivist and interpretive theoretical approach to understand the experiences of older men in later life repartnerships. Unstructured interviews were conducted and analyzed using Creswell's data analysis spiral. Findings suggest elements of relationship continuity and discontinuity, including their identity as a provider, partner and companion.

Faculty Sponsor: Jeffrey Rings

**14**

Perceptions of Asexuality among Counselors in Training  
ELIZABETH M. RUECHEL AND RACHEL M. HAUG

University of Northern Colorado

The purpose of this phenomenological study was to describe how counselors in training conceptualize human asexuality. Four participants discussed how they define asexuality, what issues they believe the asexual community may face, the ways they have learned about asexuality, and areas in which they may be lacking competence about asexuality.

Faculty Sponsor: Jeffrey Rings

**15**

The Experience and Meaning of Peritraumatic Tonic Immobility among Survivors of Sexual Violence

SUNDA FRIEDMAN TEBOCKHORST, MARY SEAN O'HALLORAN AND BLAIR NYLINE

University of Northern Colorado

This study examined the experience of peritraumatic tonic immobility (TI; being "frozen with fear") among a sample of undergraduate women who experienced TI in response to sexual violence. It used qualitative, phenomenological methodology to produce rigorous descriptions of how participants experienced TI and how they construed the experience afterward.

**16**

Prediction of Self-Compassion and Personal Growth Initiative to Counseling Self-Efficacy

SHERRI RUGGIERO, ALANI RABAINO, DANIELLE RICHARDS AND WILLIAM E. MARTIN JR.

Northern Arizona University

This study focused on whether healthy personal development perceptions increase self-efficacy amongst graduate counseling students. Self-compassion, emotional regulation, and personal growth orientation were assessed. Two hundred and ten graduate students completed the survey and comprised the study sample utilized. Higher self-compassion and personal growth initiative significantly predicted higher counseling self-efficacy.

83

**17**

Relationship of Mindfulness with Measures of Negative Emotion, Psychological Well Being, and Health Behaviors  
COLLEEN MCGILLCUDDY, JOSE GONZALEZ, CARLOS VILLELA, STEPHANIE PELLERSELS, AND SUMNER SYDEMAN

Northern Arizona University

Mindfulness is a method of bringing one's full attention to the present experience and moment (Baer, 2003). One hundred fifty-nine participants completed measures of mindfulness and variables assessing negative emotions, psychological well being, and health behaviors. The relationship of mindfulness with these variables is reported.

**18**

Triangulation between College Students and Parents in the Empty Nest  
KRIS TRIMBLE AND DENRA TAYLOR

Colorado Mesa University

Parents with an empty nest will be more involved with their college students' lives. We hypothesize that over-involvement is more likely when there are high levels of conflict and when no other siblings are at home. Survey results will show the relationship between parental conflict and college student stress.

Faculty Sponsor: Susan E. Becker

**19**

Two Weeks in the Life of College Age Marijuana Users: A Study Using EMA and Content Analysis

ERIN C. MORGAN AND KAYLA TORMOHLEN

University of Northern Colorado

Content analysis was utilized to observe the daily activities of college students who frequently use marijuana. Ten college students reported what they were currently doing through Ecological Momentary Assessment (EMA), using SMS texting three times a day for two weeks. Students most frequently reported participating in leisure activities.

Faculty Sponsor: Michael Phillips



**20**

College Students' Reported Motives for Marijuana Use  
KRISTY R. DYKEMA AND JOSHUA T. NOWAK

University of Northern Colorado

The present study investigated the use of the Marijuana Motives Questionnaire (Lee et al., 2009) with the inclusion of a new food subscale among college-age marijuana users. Frequencies were conducted on demographic data and Cronbach's alphas were calculated for each subscale, demonstrating adequate internal consistency.

Faculty Sponsor: Kristina Phillips and Michael Phillips

84 **Clinical/Psychopharmacology/Personality  
Assessment Posters (cont.)**

**21**

A Comparison of the Predictors of Problematic Alcohol Use in Positive and Negative Family Histories of College Students

CASSANDRA MARSHALL

Northern Arizona University

This study determined which factors make a student with a family positive history of problematic drinking more or less prone to alcohol abuse problems in college when compared to those students from a family without a history of problematic drinking.

Faculty Sponsor: Nora Dunbar

**22**

Benefits of Animal-Assisted Interventions for At-Risk Youth

JANETT M. NAYLOR, CARLA SLOAN-BROWN AND LINDSEY GORDON

Fort Hays State University

Early intervention with at-risk youth is essential to the successful treatment of mental health issues, especially for children who are abused, unwanted, and unloved. Animal therapies can help children learn to positively impact on their world, to view the world as safe, and to change their life trajectory.

**23**

Are We Hypocrites? Exploring The Stigma of Counseling Graduate Students' Own Willingness to Seek Personal Counseling.

NICOLE LANDWEHR

University of Denver

Constructs of stigma tolerance, intent, expertness, and overall willingness to seek counseling were explored within a counseling graduate program. Thirty-seven students were assessed utilizing the Beliefs About Psychological Services (BAPS) scale, developed by Ægisdóttir and Gerstein (2009). Implications for training and graduate programs surfaced through exploration of the results.

Faculty Sponsor: Nathalie Kees

**24**

Metaphor as a Predictor of Therapy Outcome

MICHAEL BEHLING AND AARON ASHLEY

Weber State University

The current study investigated the pattern of metaphor use and change during therapy. Transcripts of effective and ineffective therapy sessions were coded for the emotional valence of metaphor use during therapy. A comparison of these sessions provides evidence for the use of metaphor as an effective predictor of therapy outcome.

85 **RMPA President's Address**

*Ethical Issues in Textbook Adoptions*



**WAYNE WEITEN**

University of Nevada, Las Vegas

*Saturday, 9:10 – 10:10 am  
Ballroom C*

Moderator: WILLIAM DOUGLAS  
WOODY, University of Northern  
Colorado

College textbook publishing is a \$4 billion-a-year industry, and though students are the publishers' customers, it is teachers who decide which books these customers buy. Ideally, decisions about textbook adoptions should be based solely on judgments about which of the available books best serve the educational needs of teachers and students. But a teacher's choice of one book over another can have significant economic repercussions for students, authors, publishers, and bookstores. As a result, financial considerations may come to influence adoption decisions, and when money enters the picture, ethical issues are sure to surface. In this talk, I will discuss a variety of ethical dilemmas that instructors are likely to face in making adoptions decisions, such as the following. Is it ethical for instructors or departments to accept incentives for making adoptions? Is it ethical for instructors to adopt shrinkwrapped bundles of text-related materials that preclude students' purchase of used books? Is it ethical for instructors to sell examination copies of textbooks to book buyers? To what extent are instructors ethically obligated to strive to reduce their students' textbook costs?

## Psi Chi Symposium

Calling All Psi Chi Members!  
Psi Chi Journal of Psychological Research  
Submission Guidelines for Undergraduates,  
Graduate Students, and Faculty

*Saturday, 9:10 – 10:10 am*

*Cherry Creek*

MELANIE DOMENECH RODRIGUEZ, Utah State University and  
Editor in Chief, Psi Chi Journal of Psychological Research  
MARTHA ZLOKOVICH, Psi Chi Executive Director

This session covers new developments for the Psi Chi Journal of Psychological Research, formerly the Psi Chi Journal of Undergraduate Research. Includes advice to undergraduate students and faculty mentors, upcoming changes to the submission and review process, new opportunities for graduate students and faculty to publish, and time for questions.

## RMPA Diversity Council Presents

Challenging the Myths about  
LGBTQ Individuals and Their Children

*Saturday, 9:10 – 10:10 am*

*Platte River*

ANNA ROPP AND LISA BADANES  
Metropolitan State University of Denver

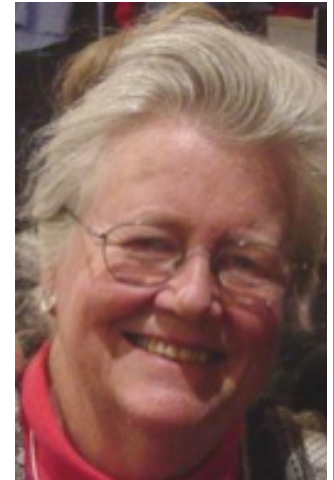
How does having a LGBTQ parent affect a child's development? Are children of gay and lesbian parents more likely to become gay themselves? Are LGBTQ individuals less likely to stay in long-term, committed romantic relationships? Focusing on the relevant empirical research, Drs. Anna Ropp and Lisa Badanes discuss some of the myths and stereotypes surrounding lesbian, gay, bisexual, transgender, and queer individuals and their children.

## RMPA Diversity Council Keynote

*Coming to See  
Privilege Systems:  
The Surprising Journey*

PEGGY MCINTOSH  
Wellesley College

*Saturday, 10:20 – 11:20 am  
Ballroom C*



Moderator: LAYTON SETH CURL,  
Metropolitan State University Denver

Until I was about 50 years old, I thought that my standing in life resulted from my own hard work and abilities. But then in the 80's, in faculty development seminars, I came to see that very nice male professors felt the curriculum was full when it included only materials by and about men and that in parallel fashion, I had been taught the curriculum was full when it included only materials by and about white people. This was very unpleasant but transformational learning. I came to see that niceness has nothing to do with it, but that blame, shame, and guilt were not relevant to the journey either. This has allowed me to relocate myself in the world, to rename the worlds in me, and to be of use in the wider society.

**NOTE: Thanks to Psi Chi and MSU  
Denver for co-sponsoring this event!**



## Teaching

Oral Paper Session, Saturday, 10:20 – 11:20 am, Platte River

Moderator: SHAWN POWELL, Casper College

10:20

Student-Centered Syllabi

AARON S. RICHMOND AND WILLIAM WOZNIAK

Metro State University of Denver AND University of Nebraska at Kearney  
How frequently do we, as instructors, respond to a student question with “it’s in the syllabus”? Perhaps the more patient among us will parrot what is already in the syllabus, mentally fussing about the student’s lack of diligence. But to be honest, how many of us read the multi-page contract when we buy new computer software? The focus of our presentation will be the course syllabus; its purpose, structure, and how it can better help students achieve the objectives of the class.

10:35

Undergraduate Research at Two-Year Colleges: Recognizing What You’ve Got and Moving Forward

DIANA JOY

Western and Rocky Mt. Regional VP for Psi Beta National Honor Society in Psychology

Community College of Denver

Psychology is a STEM science. The nation is talking about the need to teach critical and scientific thinking to our students. The topics of critical thinking and the scientific model are present in every psychology course to one degree or another. Are we falling by the wayside at 2-year colleges or are we doing more than we are recognized for already? How do we recognize our present accomplishments and build on them? A model for doing both is presented here.

10:50

How to Complete the Dissertation in an Online Program: Teaching Research Skills Throughout Doctoral Coursework

JULIE A. PETERSON NELSON

Grand Canyon University

The dissertation is among the most common barriers to student success in traditional or online doctoral programs. Innovative online programs designed to teach research skills throughout coursework, while creating a highly structured, transparent, dissertation process, should increase success rates and improve dissertation quality. Additional supports will be discussed.

11:05

The Big Picture: Big Class Size with a Small Class Feel

JANET PETERS AND KARLA GINGERICH

Colorado State University

Large classes have a reputation for being impersonal and generic. In this presentation, we will discuss common challenges such as reducing the distance between a teacher and the large sea of student faces, and ideas for creating a tone that motivates each student in the large class to participate.

### RMPA Workshop

Positive Psychotherapy:  
How to Get Better Sleep,  
Use Your Strengths,  
Think Positively, and Savor Experiences

*Saturday, 10:20 - 11:20 am*

*Big Thompson*

Presenters:

KATHERINE M. MILLER, JARED BECKNELL, KENDAL CASSIDY, KRISTINA SANDERS AND ALEXIS KARRIS BACHIK

Metropolitan State University of Denver

Have you ever wondered how you could experience greater life satisfaction? Positive Psychology is the scientific study of optimal human living and thriving. This workshop will cover some of the ways that Positive Psychology can be utilized as a part of everyday living.



## 90 **Memory/Cognition/Learning/Sensation & Perception/Measurement/Religion Posters**

Poster Session, Saturday, 11:30- 12:30 pm, Ballrooms A and B

**1**

Examining Aspects of Religiosity and Personality Traits among LDS Individuals

CARRIE BLACKEYE AND G. E. KAWIKA ALLEN  
Southern Utah University

This study examines the relationship between the level of religiosity and specific personality traits among LDS individuals. Data consisting of 43 participants were examined. Preliminary results suggest the majority of LDS individuals in this sample are religiously committed, open to experiencing new things, and have a high level of agreeableness. Intrapersonal Religious Commitment and Agreeableness were positively correlated.

**2**

Examining Perceived Attitudes of Counseling Between LDS Religious Leaders and Mental Health Therapists

G. E. KAWIKA ALLEN AND CURTIS HILL  
Southern Utah University

Perceptions between counselors and LDS religious leaders regarding the value, function, and efficacy of mental health therapy were examined. Data consisting of 109 participants were analyzed. Results showed that LDS religious leaders held less than favorable attitudes towards mental health therapists and the work they do with clients. Conversely, mental health therapists viewed LDS religious leaders more favorably as well as the work they do with their congregation members.

**3**

The Effects of Religious Group Membership and Death Salience on Christians' Attitudes towards Muslims

ANGELA M. PHILIPPUS AND ROBERT T. SCHATZ  
Metropolitan State University of Denver

The study examined effects of religious group salience and mortality salience (MS) on Christians' attitudes towards Muslims and Buddhists. High religious fundamentalism scorers who wrote about God or Heaven during MS had the most negative attitudes, especially when Christian group membership was made salient.

**4**

Image Size and Perception of Pain

SENECA WIDVEY  
Metropolitan State University of Denver

This study examined the relationship between image size and perceived pain. Participants rated the pain experienced by injured people in images of different sizes. Although there was not a significant difference in the perception of pain by image size, women rated images as more painful than men.

Faculty Sponsor: Lesley Hathorn

91

**5**

Willpower, Temptations, and Online Learning

SENECA WIDVEY, ERIC KLEIN, CHRIS DEAN, RHIANNA SCHELL, ASHLEY STAMPS, SARAH LIEBERENZ, ALLEY KASNEY, AMANDA BOURGEOIS, ANAH MILLER, RUDY BROWN, KRISTIN BROUSSARD AND LYDIA TOMLINSON

Metropolitan State University of Denver

The increase of learning via electronic media requires one to resist temptations to view distracting websites and may affect retention. Participants used a designed search engine and read passages. Temptation was manipulated via the presence or absence of tabs for other websites to see if memory would be affected.

Faculty Sponsor: Chad Mortensen

**6**

Factors Influencing Future Orientation

LESLEY HATHORN, YESENIA ACEVEDO, TRELAWNEY COPLEY-SMITH, ANTHONY FRANK AND RYAN HOFFMAN

Metropolitan State University of Denver

Future orientation was measured using a delay-discounting task in which participants discounted a future reward against a smaller immediate reward. Participants steeply discounted immediate over later rewards. Discounting was not correlated with risk taking; however, a complex set of factors determined the delay discounting function in a specific context.

**7**

Gender Differences in Maternal Reminiscing Style

JORDACE SANDERSON, SARA YACOVETTA AND BETHANY K.B. FLECK  
Metropolitan State University of Denver

Past research has found that mothers talk with children in consistent ways about the past and that such conversations vary based on the child's gender. The current study examined mother-child conversations about past learning events. Results indicated no major gender differences.

**8**

Factor Structure of the Schema Questionnaire Short Form (SQ-SF) with a Non-Clinical Sample

JOHN BLUE STAR, MATTHEW KAHLER, JESSICA PALILLA, SEAN WOODLAND AND PATRICK STEFFEN  
Brigham Young University

The factor structure of the Schema Questionnaire Short Form (SQ-SF) was examined on a non-clinical population (n = 2109). The SQ-SF is designed to be useful in research for the assessment of dysfunctional schema often associated with psychopathology. Such schema theoretically exist in the general population.

Faculty Sponsor: Mikle South

92 **Memory/Cognition/Learning/Sensation & Perception/Measurement/Religion Posters**  
**(cont.)**

**9**

The Power of Leading Questions on Perceptions of Global Climate Change  
MICHAEL PETTY

Brigham Young University - Idaho

We used leading questions and loaded words in a survey to “change” public opinion on anthropogenic climate change. One hundred eighty students took 6 similar surveys with significantly different results. The use of leading questions can persuade people to either agree or disagree on whether global warming is in fact occurring, but not on whether climate change is occurring.

Faculty Sponsor: Eric Gee

**10**

The Effects of Handedness and Initial Hand on Bilateral Transfer

EMMA SHEWMAKER

Regis University

The effects of handedness and dominance of initial hand on bilateral transfer were examined using a mirror-tracing task. Thirty-six participants performed a task with both hands and their magnitude of transfer was calculated for speed and errors. We hypothesized that left-handers will show less bilateral transfer than right-handers.

Faculty Sponsor: Rebecca Betjemann

**11**

The Effects of Priming for Creativity in Introverts and Extroverts

AMIE L. WEBB

Regis University

The effects of priming, using a child-like activity, on creativity were examined in extroverts and introverts. Participants were administered a personality test and a creativity test. Participants who coloring for 15 minutes before the creativity test showed more creativity than those in the control group.

Faculty Sponsor: Rebecca Betjemann

**12**

Advice for Psychology Students: Obtaining a Marine Life Internship

BRIAN MISSIRLIAN AND NANCY J. KARLIN

University of Northern Colorado

Information on obtaining an internship training marine life is presented. Aspects regarding the application process, aquatic animal facts, training procedures, internship duties and potential locations are discussed along with personal experiences. A list of suggested courses students may consider is offered in preparation for this type of internship.

**13**

The Use of Poetry as a Qualitative Analysis of Learning to Hit in Volleyball

MICHAEL RHOADS

University of Northern Colorado

The effectiveness of verbal and visual feedback for volleyball instruction was examined. Participants’ responses were qualitatively analyzed using research poetry, whereby the participants’ responses were restructured as an alternative means of presenting the data. Poetry was also used to reflect on the process of research.



**14**

Today’s Textbook in Tomorrow’s Classroom: Attitudes and Beliefs on Textbook Use in Teaching and Learning

ABEL DIAZ AND KATHRYN COCHRAN

University of Northern Colorado

An educational case study with twenty eight interviews was conducted to illuminate the modern role in which the textbook plays in teaching and learning. Findings include themes of absolute knowledge, personal values, teacher strategy preference, student learning preference, and contradicting statements in understanding how one forms attitudes and beliefs on textbooks.

**15**

List Composition and the Testing Effect

KATIE SWINNEY, CHRISTOPHER ROWLAND AND EDWARD DELOSH  
Colorado State University

List composition has been found to moderate a large number of memory effects, including the generation effect. The present study, adopting Erlebacher’s (1977) method, found that the testing effect is robust against list composition, emerging in similar magnitudes in both pure and mixed lists.

**16**

Retrieval-induced Facilitation in Free Recall

CHANCE WARREN, CHRISTOPHER ROWLAND AND EDWARD DELOSH  
Colorado State University

The effect of testing on non-tested but related information was examined. Results suggest that testing a subset of previously learned information can facilitate later free recall of related, non-tested information given both semantically related and unrelated materials.

## Memory/Cognition/Learning/Sensation & Perception/Measurement/Religion Posters (cont.)

17

Understanding the Effect of Retrieval Practice on Unretrieved Information  
LAUREN BATES, CHRISTOPHER ROWLAND AND EDWARD DELOSH  
Colorado State University

The effects of retrieval practice on unretrieved information was examined. In two experiments, students were tested on a subset of word pairs as part of a larger compilation of word lists. It was found that related but unretrieved information received a memory boost from the testing of related information.

18

The Advantage of Self-Reference in Survival Processing  
LAUREN BATES AND LISA MAXFIELD

Colorado State University AND California State University Long Beach  
One hundred forty-four undergraduates encoded words according to their relevance in a survival scenario either in terms of their own survival or the survival of a favorite celebrity. Mean percent recall differed significantly,  $t(142) = 3.52$ ,  $p = .001$ . These results suggest an important advantage of self in the survival processing advantage.

19

Using Value to Eliminate the Own-Race Bias  
SARAH TURNER, ANDREW COLLMUS, RACHEL LAM AND MATTHEW RHODES

Colorado State University  
The effects of value on the own-race bias were examined. One hundred five students studied own- and other-race faces paired with values indicating importance. They were later asked to recognize previously-studied faces. When the number of to-be-learned stimuli was reduced, value improved recognition for other-race faces, eliminating the own-race bias.

20

The Influence of Feedback on Predictions of Future Memory Performance  
DANIELLE M. SITZMAN, ANDREW COLLMUS, SHARON MERRILL, AMBER WITHERBY AND MATTHEW G. RHODES

Colorado State University  
We examined whether participants were aware of the benefits of feedback after an incorrect answer. Participants were tested on previously studied Lithuanian-English word pairs, provided feedback, and asked to predict performance on a final test. Overall, feedback improved performance drastically yet participants were unable to fully predict this.

21

The Effect of Mortality Salience on Language Production  
CAITLIN J. TYRRELL, LORI E. JAMES AND MOLLY MAXFIELD  
University of Colorado, Colorado Springs

The effects of mortality salience, as described by terror management theory, on language production were examined. Forty-four young adults described a memorable event from their lives following a mortality salience manipulation. Off-topic speech and disfluencies were analyzed to determine if mortality salience impacted language production quality.

22

Gender Differences in Spatial Abilities and Spatial Self-Concept: A Longitudinal Investigation  
DEREK NIELSEN, CHRISTIAN GEISER AND LEAH DOANE-SAMPEY  
Utah State University

We examined the longitudinal relationship between spatial abilities and spatial self-concept with a focus on gender differences in  $n = 112$  students. Gender differences in performance, spatial self-confidence, spatial self-ratings, but not spatial interest, were found. Gender differences in spatial performance, but not spatial self-concept, showed a decline over time.

## Society for the Teaching of Psychology

### Luncheon Planning Meeting

Faculty interested in planning the RMPA Teaching Conference for 2014 are encouraged to attend.



*Saturday, 11:30 am - 1:00 pm  
upper level of Vivace Restaurant  
(Preorder food by Friday noon)*



## RMPA DIVERSITY COUNCIL LUNCHEON

**Conversation Hour**  
with  
**Dr. Peggy McIntosh**

*Saturday, 11:30 am – 1 pm*

*Telluride A*

Moderator: LAYTON SETH CURL, MSU Denver

Come continue the conversation and share food with our Keynote Speaker, Dr. Peggy McIntosh. Internationally known for her work on white privilege and racial inequality.

*NOTE: Thanks to Psi Chi and MSU Denver for co-sponsoring this event!*

## ***RMPA Mentor Awards***

A few years ago, RMPA started recognizing outstanding mentors. The Call for Nominations is in the fall newsletter every year. Why not nominate *your* mentor?

2011 Paul A. Bell,  
Colorado State University  
2012 Steve Barney,  
Southern Utah University  
2013 ??? To be announced at  
the business meeting



## **RMPA** **Distinguished Alumni Address**



*In the Shadow of the  
Rockies:  
Illuminating Humane  
Environments*

**THOMAS C. GREENE**  
St. Lawrence University

*Saturday, 1:00 – 2:00 pm*  
*Ballroom C*

Moderator: PAUL A. BELL, Colorado State University

Among the regional associations of American psychologists, only the Rocky Mountain organization is named for a physical feature. Perhaps the name is inconsequential, but this region, whose self-perception is so obviously affected by grand landscapes, may be a particularly good place to nurture environmental psychology. Embracing the importance of unraveling fundamental psychological issues such as cognition, social behavior, health and neuroscience, there remains room to also examine human interactions with our holistic surroundings.

Within environmental psychology, a problem-centered initiative seeks to throttle the combination of hubris and naiveté that has led to a looming environmental crisis. Again, the importance of this research is undeniable. Nevertheless, a different strain of research finds fascination in the ancient but continuing human challenges and delights encountered in elemental features such as landscapes, shelter and fire. Arguably, we will not successfully cure destructive human behaviors if the prescription results in inhumane spaces and a dour stance of sacrifice that fails to also enrich the human condition.

## Psi Chi Symposium

### Psi Chi Leadership Program: Creative Chapter Activities and Best Practices

*Saturday, 1:00 – 2:00 pm*

*Cherry Creek*

#### Moderators:

JOAN BIHUN, SUSANNE WITHROW, MITCH HANDELSMAN

University of Colorado at Denver

AARON S. RICHMOND, Metropolitan State University at Denver

#### Participants:

KRISTINA SANDERS, ALEX HOWARD, MAJKEN BERGLUND,

Metropolitan State University at Denver

CASSIE DREYER & CIARA MCCOY, Univ. of Colorado at Denver

Psi Chi International values the intellectual pursuit of psychology by chapters through research, leadership and community involvement. This presentation will cover a wide variety of activities chapters can do to bring these ideals to their campus and community. Activities to be discussed include community service, fundraising, funding for conferences, research, and collaboration among chapters.

## RMPA Presents Department Chair Discussion Hour

*Saturday, 1:00 – 2:00 pm*

*Platte River*

Hosted by Col GARY PACKARD, PhD, Permanent Professor and Head, Department of Behavioral Sciences and Leadership U.S. Air Force Academy and Chair (elect) AHDP.

All former, current, and prospective department chairs are invited for lively conversation around the role of department chair. An opportunity to network, share ideas and concerns and learn about the Association for Heads of Departments of Psychology (AHDP).

## RMPA Workshop

### Universal Social-Skills Programming: Increasing Positive Behaviors in Preschool

*Saturday, 1:00 – 2:00 pm*

*Steamboat*

KIRSTEN BROWN, CHRIS DESILETS, SARA SADD,  
BRENDA GARCIA, SHAYNA BRODY WHITEHOUSE,  
JACK LINDSEY AND EMILY ENGVALL

University of Denver

Outcomes of the implementation of a universal preschool social-skills program were examined. Implementation included consultation with adults, classroom supports and instruction, and modifications for students with disabilities. Positive communication and social problem-solving skills were monitored before, during and after implementation of the program and increases in both were noted.

## RMPA EARLY CAREER AWARD WINNERS



- 2003 William Douglas Woody, Univ. of Northern CO
- 2004 Britton Mace, Southern Utah University
- 2005 Michelle A. Butler, US Air Force Academy
- 2006 Carla Reyes, University of Utah
- 2007 Krista Forrest, Univ. of Nebraska at Kearney
- 2008 Cheryl E. Sanders, Metro State College Denver
- 2009 Jeff Elison, Southern Utah University
- 2010 Aaron S. Richmond, Metro State College
- 2011 Layton Seth Curl, Metro State College of Denver
- 2012 no award given
- 2013 *To be announced at closing session*

## RMPA Gardner Memorial Lecture

*Caretaker and Culture*

**SUE SAVAGE-  
RUMBAUGH**

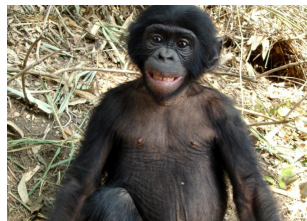
Great Ape Trust  
Des Moines, Iowa

*Saturday, 2:10 – 3:10 pm  
Ballroom C*

Moderator: WAYNE WEITEN,  
University of Nevada, Las Vegas



Attempts to address the concept of human uniqueness as contrasted with ape intelligence through the lens of language, tool use and art – while overlooking basic differences in rearing methods – have delivered a misleading perspective of humanness. This method has also led to an incorrect view of the nature and driving force of change across time. Finally this approach, based on a male-centric world view, has led to a misperception of the role of caretaking in all species, but most poignantly in humans. It is important to begin now to acknowledge that change across time – which we have called evolution – is heavily influenced by epigenetic variables. These culturally driven changes predispose each ensuing generation to arrive adapted in significant ways to the lifestyle of the previous generation. As humanity comes to recognize this, a true understanding of how complex behavior is molded will arise. To reach this point will require the intellectual rigor and reflection offered by the experimental analysis of behavior and the common process based studies of comparative psychology. It will also require the development of paradigms which acknowledge that natural behavior never precisely replicates itself, that the world of behavioral interaction is quantum based, and that conscious intent is the open door into that which have viewed as specifically human – and it is a path that other species can also come to walk.



## BELL/LOOMIS ENVIRONMENTAL PSYCHOLOGY SYMPOSIUM

*Saturday, 2:10 – 3:10 pm*

*Durango*

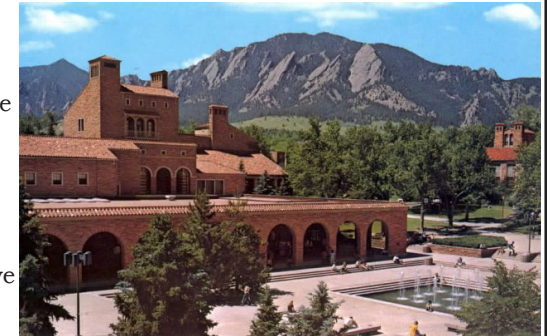
MODERATOR: PAUL A. BELL, Colorado State University

The Role of Scenic Beauty in University Student's Satisfaction, Commitment, and Turnover intention

STEVEN ELIAS<sup>1</sup>, CHET BARNEY<sup>1</sup> AND BRITTON MACE<sup>2</sup>

<sup>1</sup>New Mexico State University AND <sup>2</sup>Southern Utah University

The purpose of this study was to assess whether satisfaction with one's university would mediate the relationships between university campus scenic beauty and several outcome variables. Data collected from 192 students indicated scenic beauty has a significant indirect effect, through satisfaction with one's university, on affective commitment and turnover intention.



Perception of Safety in Urban Environments

KIRSTY KULHANEK

University of Nebraska at Kearney

This project examined the effects of different cues on perception of safety in urban environments. Images of alleyways were modified to contain the variables light and dark, visible exit or no visible exit, and people or no people. Darkness, absence of people, and no visible exit decreased perception of safety.

Faculty Sponsor: William Wozniak

The Privacy x Place Interaction of Waste Expulsion

CYNTHIA L. KERNER AND JACOB A. BENFIELD

Pennsylvania State University- Abington

While privacy and physical setting have long been the focus of Environmental Psychology research, few projects have focused on bathroom behaviors as they differ across settings, both private and public. The current set of studies explores the effect of lavatory location on the likelihood and comfort with waste expulsion.

## Psi Chi Symposium

### Psi Chi Leadership Program: Practical Issues in Running a Chapter

*Saturday, 2:10 – 3:10 pm*

*Cherry Creek*

#### Moderators:

JOAN BIHUN AND SUSANNE WITHROW,  
University of Colorado at Denver  
AARON S. RICHMOND,  
Metropolitan State University at Denver

#### Participants:

CASSIE DREYER & CIARA MCCOY, University of Colorado  
at Denver  
KRISTINA SANDERS, ALEX HOWARD, MAJKEN  
BERGLUND, Metropolitan State University at Denver

During the information exchange attendees will be able to compare notes on the details of running a chapter and information about Psi Chi International guidelines etc.

### *Special Thanks!*

RMPA would like to thank  
**JONNA TURRILL**  
(University of Utah)  
and **JAMES COLEMAN**  
(University of Utah)  
for their help with editing  
the program for this  
year's conference!



## RMPA Award Finalists 1

Oral Paper Session, Saturday, 2:10 – 3:10 pm, Big Thompson

Moderator: ROXANNE SULLIVAN, Belleview University

2:10

Remembering to Help: Social Prospective Memory Performance and Accessibility  
ANNA FAHLSING  
University of Wyoming

We examined the influence of priming a helping or achievement goal on social prospective memory (PM) performance and accessibility. Results showed increased social PM performance in males with an achievement prime and females with a social prime. Accessibility of social PM tasks was higher for individuals with high compassion scores.  
Faculty Sponsor: Suzanna Penningroth

2:25

Levels of Self-Compassion Negatively Correlate with Levels of Aggression  
KAYLEE LITSON  
Dixie State College of Utah  
Self-compassion was examined in relation to aggression. In this study, 255 participants responded to questions about their current levels of self-compassion and aggression. Results show that participants higher in self-compassion reported lower levels of aggression, regardless of their level of self-esteem.  
Faculty Sponsor: John Jones

2:40

Societal Challenge and Depression, Self-Esteem, and Self-Concept Clarity in Asexuals  
JULIA PRIMS  
University of Colorado at Boulder  
Societal challenge and its interaction with depression, self-esteem, and self-concept clarity in asexuals were examined. One thousand participants were administered a survey inquiring about their experiences that included measures of depression, self-esteem, and self-concept clarity. Asexuals who did not have their identity challenged had higher self-esteem than the other groups.  
Faculty Sponsor: Diane Martichuski

2:55

Truth Judgments Affected by Negativity Bias through Statistical Statement Valence Framing  
JENNIFER SOLBACH  
Metropolitan State University of Denver  
An experiment was conducted to expand upon prior research and examine the negativity bias through statistical statement framing. It was shown that statistical statement valence framing affected participant's judgments, such that the negative frame was deemed to have significantly higher truth validity than the equivalent positive frame.  
Faculty Sponsor: Leslie Hathorn



## RMPA Award Finalists 2

Oral Paper Session, Saturday, 3:20 – 4:20 pm, Big Thompson

Moderator: ROXANNE SULLIVAN, Belleview University

3:20

The Impact of Flattery on Self-Esteem and Mate Selection in College Males

DORIS BERBERIC, ASHLEY NEWELL, DAELYNN SHIFLETT AND CATARINA FUENTES

Western New Mexico University

Men's self-esteem, self-worth, and preferences for women's body shape across types of relationships were measured, including a one-night stand, relationship, and marriage. Fictitious feedback was then provided with either flattering or neutral statements about character and ability to attract desired mates. Final surveys then re-assessed self-esteem and body shape preferences.

Faculty Sponsor: Jennifer Coleman

3:35

A Meta-Analytic Review of the Testing Effect

CHRISTOPHER ROWLAND

Colorado State University

Although a reliable phenomenon, the positive effect of testing on memory retention has drawn limited theoretical investigation. The present study used meta-analysis to adjudicate between leading theoretical characterizations of the testing effect. Results suggest that initial recall, rather than recognition, is of critical importance in producing a reliable testing effect.

3:50

Student Parents: Personal and Academic Factors of College Success

ANNA CHAVEZ

Adam State University

Past studies found student parents had increased self-esteem, self-efficacy and motivation. The present study was conducted by administering questionnaires to Adam State College students measuring these factors. Student parents scored higher on intrinsic motivation while females scored higher on extrinsic motivation.

Faculty Sponsor: Leslie Cramblet Alvarez

4:05

So, You Want to Lead an International Student Support Group? Advice from Group Leaders

ALEX JOHNSON, JACOB LUDLOW, LISA TAKARA, ZHEN LI, MELISSA TINGEY, PHOEBE KUNG AND NATE PAGE

Brigham Young University

Best practice suggestions for leading international student support groups were derived from a multi-site study that explored, evaluated, and summarized the experiences and knowledge of six group leaders from different university counseling centers through the use of qualitative interviews. Results presented as themes.

Faculty Sponsor: Mark Beecher

## Anxiety

Oral Paper Session, Saturday, 3:20 – 4:20 pm, Platte River

Moderator: GARRETT STROSSER, Southern Utah University

3:20

The Anxious Undergraduate: Identity, Stress, and Anxiety in College Students

DANIEL WEEKS AND LISA BADANES

Metropolitan State University of Denver

There is an established link between stress and anxiety. Less is known about the role of identity. We tested the effect of identity conflict in a sample of 192 undergraduate students. Participants with higher stress severity endorsed more anxiety symptoms. This relationship was moderated by participant's level of identity conflict.

3:35

Anxiety Severity and Supplement Use in Undergraduate Students

SABRINA BLACKLEDGE, HANNAH ERICKSON, LAUREN KOHOUTEK AND MELISSA BIRKETT

Northern Arizona University

The relationship between supplement use and anxiety severity was examined. Eight hundred fourteen students completed the Penn State Worry Questionnaire and the Overall Anxiety Severity and Impairment Scale and answered questions about the strategies they used to cope with anxiety. A positive correlation between supplement use and anxiety severity was found.

3:50

Anxiety Levels in Multiple-choice Testing When Consecutive Answers Correspond to the Same Letter Answer

JANA REIER

University of Nebraska at Kearney

The effect of answer correspondence in multiple-choice testing on the anxiety levels of students was examined. One hundred seventy-nine participants were asked to fill out a survey before and after completing a test, one version of which had the answers arranged so the letters created a block pattern.

Faculty Sponsor: Krista Fritson

4:05

Attention Restoration Theory and the Role It Plays on Anxiety

NASHLYN KUHL AND JANETT NAYLOR

Fort Hays State University

Interactions with nature lead to the restoration of attention. Those who are prone to experience anxiety have difficulty in pulling attention away from threatening stimuli. Forty students will complete anxiety questionnaires and view a natural, urban, or neutral scene. Natural scenes may help in lowering levels of anxiety.

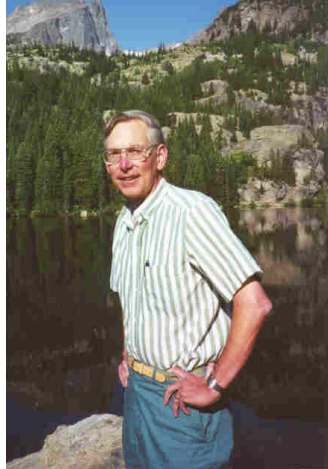
## RMPA HONORS

### PAUL A. BELL

Colorado State University

*Saturday, 3:20 – 4:20 pm  
Durango*

Moderator: DIANE MARTICHUSKI,  
University of Colorado Boulder



RMPA honors Paul Bell with a fest-schrift – a celebration of his life and career. Several of Paul's students will be attending to share stories and talk about "old times." Come by and share a story or congratulate Paul on his retirement.

## RMPA PSYCH BOWL!

If you have an undergrad team who wants to participate in this year's psych bowl, the event will be held in Cherry Creek at 3:20 pm on Saturday!

Moderators:

RICHARD L. MILLER,  
Univ. Nebraska Kearney

AND

STEVE BARNEY,  
Southern Utah University



## Education/Developmental Posters

Poster Session, Saturday, 3:20- 4:20 pm, Ballrooms A and B

**1**

Perspective Taking with Age

DANIEL LEISHMAN AND TODD BAIRD

Weber State University

Research shows that adolescents can take another perspective within a dyadic relationship, but does that ability increase with the age. Over 400 adolescents were surveyed with a comprehensive survey using the IRI index (Davis, 1984), SDPT Scale and ODPT scale (Long, 1990), and Rosenberg Self-esteem Scale (Rosenburg, 1965).

**2**

The Relationship between Self-Disclosure and Developmental Outcomes

LISA A. HORNSBY AND TODD BAIRD

Weber State University

Adolescents ages 14-17 (n = 145) completed a questionnaire regarding their parent's self-disclosures about their own adolescent experiences. Participants also answered questions about parent-adolescent relationship satisfaction, self-esteem, perspective-taking, and social initiative. The relationship between parental self-disclosure and these developmental outcomes were analyzed. Results indicated differences in disclosure by mothers and fathers.

**3**

Fictional Priming of Children's Ontological Judgments: Overcoming the Experiential Bias

CAMILLE ALLEN, TAIJH CLARK AND ERIC AMSEL

Weber State University

The present study explores 4-, 5-, and 6-year-olds' (n = 48) implicit and explicit ontological judgments – judgments of whether or not events exist. The evidence suggests that contrary to claims, implicit and explicit relations between real, pretend, and possible worlds are not completely worked out in childhood.

**4**

The Development of the Distinction between Regret, Disappointment, and Sadness

VICTORIA LOPEZ AND ERIC AMSEL

Weber State University

Twenty-four children (4 and 6 years old) were asked about a protagonist's feelings and behavior after being told stories about choices the protagonist made which adults label as resulting in sadness, disappointment, and regret. Results show that only 6-year-olds could distinguish between the three situations in an adult manner.

## Education/Developmental Posters (cont.)

**5**

The Arithmetic-Algebra Transition Revisited: Age and Instruction Effects in Understanding the Equal Sign

JENNIFER KILLPACK<sup>1</sup>, KARL WOLFF<sup>1</sup>, AMANDA-JEAN FOCHS<sup>1</sup>, ERIC AMSEL<sup>1</sup> AND PERCIVAL MATTHEWS<sup>2</sup>

<sup>1</sup>Weber State University AND <sup>2</sup>University of Wisconsin

Middle school and college students in pre-algebra and algebra 1 classes completed an equal sign (=) understanding questionnaire. The results suggests that that college students retained a sophisticated understanding of the equal sign that they acquired in middle school algebra, despite being enrolled in a pre-algebra class.

**6**

The Effect of Interpersonal Dependence on Adolescent Dating Decisions  
SHAYLENE BARUFFI AND LYNN H. WHITE

Southern Utah University

Teenage participants completed the Interpersonal Dependency Inventory and a questionnaire to assess the extent to which they consulted and followed the advice of significant others regarding dating decisions.

We predicted that high dependency and low autonomy levels would be associated with a greater reliance on significant others to make dating decisions.

**7**

The Effectiveness of Reading Technology Kindergarten Classrooms

KAYLA PULLANO AND BETHANY K.B. FLECK

Metropolitan State University of Denver

This study examined the effective of a reading-based technology in kindergarten classrooms. The study compared comprehension scores collected from an interview after children were read a story that was delivered via hard-copy (researcher read) and one that delivered via technology (computer read). Results indicated that the students scored higher on the comprehension tests when the material was presented using the technology condition.

**8**

Promoting Academics and Character Education (Pace) Outcome Data Analysis

LISA BECKMAN, KRISTIN BROUSSARD, LILY RUTLEDGE-ELLISON, ASHLEY STAMPS, SHARON WHARTON, MITCH WOLF AND BETHANY K.B. FLECK

Metropolitan State University of Denver

The Boys and Girls Club have requested help analyzing outcome data related to the PACE program. The primary goal of PACE is to reintegrate middle-school students into the classroom and reduce school suspensions. The data analysis indicates that students who participate in PACE are showing favorable outcomes.

**9**

Teaching Metacognition Metacognitively: Who Would Have Thought of That?

NICKI A. CUPIT, AARON S. RICHMOND, ROBERT L. ALLGEIER, DYLAN A. GHAFFARI, CHRISTINE M. JAEGER, ALISON KASNEY AND SHARON WHARTON

Metropolitan State University of Denver

In a lab experiment, introductory psychology students received active or direct instruction on the theory of metacognition and how it could be applied to their learning. Students were pre- and post-tested on both lower and higher level learning. Results will be discussed in the context of past research.

**10**

The Use of Brainwise in Improving Cognitive Skills in Children K-12

JULIANA ROSA, CHRISTINE CERBANA AND KIMBERLY HENRY

Colorado State University

This study investigated whether the Brainwise Cognitive Skills program influenced decision making and critical thinking skills from pre to post at three Colorado locations. The results from 164 children (K-12) revealed that there was increased problem identification, rational decision-making, constellation of support, and decreased use of aggression.

**11**

The Experience of Having a Firefighter Father: In The Children's Words

CATHERINE CARRICO AND MARY SEAN O'HALLORAN

University of Northern Colorado

The children of firefighters share the experience of having a father who is an emergency responder. This qualitative study included twelve children from five families. Themes from the findings include positive impressions of having a firefighter parent, advantages and disadvantages of shiftwork, concerns about safety, and becoming firefighters when grown.

**12**

Transformative Effect of an Intervention Program for Low-income Minorities

SELANI FLORES AND KEVIN PUGH

University of Northern Colorado

This study evaluated if a program based on principles of self-determination theory was transformative. Participants were underrepresented, low-income middle school girls. Results confirmed participants felt more empowered to learn and succeed academically, were able to expand perception of learning outside of the program, and felt the content had experiential value.

**13**

The Relationship of Family Functioning During Adolescence to Typologies of Emerging Adulthood

NORA D. DUNBAR AND SAMANTHA L. HUGHES

Northern Arizona University

Typologies of emerging adults' "adult status" achievement were developed from parents' reports of the degree to which their children had transitioned into adult roles across the domains of work, education, career, finances, relationships and living arrangements. Types were described using interview quotes and reported family functioning (FAD) during adolescence.

**14**

Improving College Freshman Retention and Enhancing Various Correlated Factors

MORGAN GRUNDY AND ANNA MCCABE

Northern Arizona University

This research investigated factors related to retention of college freshman attending Northern Arizona University. Social problem solving and resiliency were discovered to be positively correlated to retention. The team designed an experimental and control educational training that was hypothesized to enhance problem solving ability and resiliency, thus improving retention.

Faculty Sponsor: Nora Dunbar

**15**

The Stability of Preferences in Older Adults with and without Dementia

SANDRA GARCIA

University of Colorado, Colorado Springs

Twenty-five healthy and three older adults with dementia were administered cognitive screenings and activity inventories. Results provided knowledge of the utility of these activity inventories in older adults and the stability of preferences over time.

Faculty Sponsor: Leilani Feliciano

**16**

Underrepresented Students' Math/Science Career Development: A Cluster Analysis of Social Cognitive Factors

PATTON GARRIOTT, BRINDA PRABHAKAR, ELIZABETH MAZZOTTA, ALANA LISKOV, JACLYN SHAPIRO, STEPHANIE REITER AND JENNA BROWNFIELD

University of Denver

This study examines contextual variables of underrepresented high school students in relation to self-efficacy, interests, and goals in math/science fields. Three hundred forty-one students were administered measures to assess for learning experiences, motivation, self-efficacy, math/science interests, and math/science goals. Students with high levels of motivation had greater self-efficacy, interests, and goals.

**17**

Gender Differences in Impacts of Peer Networks on Academic Engagement

HEATH MARRS, DONALD FOUTZ JR., ALEX LACEY, KEVIN LINDAHL, CAROLINA PEREZ AND MARY WALSH

Central Washington University

This study explored the possibility of gender differences in the impacts of peer networks on academic engagement among college students. Students rated the academic engagement of their closest friends and their own academic engagement through an online survey.

**18**

Reducing the Bystander Effect of Bullying in Elementary Schools

KEVIN GRUNIG, MCKELLE TOBEY, AUSTIN ANDERSON AND JOE COTTRELL

Utah State University

An applied behavioral intervention was created to reduce the by-stander effect in bullying. Intervention consisted of three 30 minute lessons and utilized proximity, prompting, and initiation theory. Data from pre-post measures and naturalistic observations of fourth and fifth graders were analyzed throughout the study.

Faculty Sponsor: Donna Gilbertson

**19**

Utah Educators' Attitudes toward and Experience in Working with The LGBTQ Students

AUSTIN ANDERSON, AMBER HIRZ, JASMINE PITTMAN, CAMILLE ODELL AND RACHEL PETERSON

Utah State University

A survey will be administered to Utah educators assessing level of professional training in working with LGBTQ youth, level of comfort in advocating for LGBTQ youth, and climate in the school, including frequency of derogatory remarks heard, and frequency of bullying witnessed based on sexual orientation and gender expression.

**20**

Graduate Ethics Courses and Their Content

SHANNON GRIFFITH, AUSTIN ANDERSON, KASSIE FULLMER AND MELANIE DOMENECH RODRIGUEZ

Utah State University

A further look into the ethics training provided for graduate students was examined using syllabi from a larger research project. There were 53 syllabi gathered from all APA accredited psychology programs which were then coded for course content. A large amount of variability in the styles of teaching ethics was revealed.



## Education/Developmental Posters (cont.)

### 21

Reducing Bullying: Asian Pacific American Teen Perspectives  
KAREN KWAN, MICHAEL WESTBROOK, THOMAS DE OLIVIERA,  
MARSHALL GRIMM AND DENISE KURAITIS  
Salt Lake Community College  
Asian American youths who were bullied reported that the bullying occurred in school and was racially motivated and violent more so than any other ethnic group. Focus groups were convened to gain insight about how to reduce bullying from the perspective of Asian Pacific American teenagers.

### 22

Perceptions of School Counselors Responsibilities and Their Impact on School Environment  
NICK MARSING, LAUREN LARSEN, DEVIN CRAMPTON AND CHELSEA HANSEN  
Snow College  
This research evaluates what responsibilities student, parents, and others see as paramount for school counselors as compared to the Utah Model for Comprehensive Counseling and Guidance: K-12 Programs.

### 23

Examining Off-Task Behaviors as Regulatory Mediators of Long-Term Interest and Performance Online  
ANDREW CHOI AND CAROL SANSONE  
University of Utah  
We examined whether certain off-task websites were most beneficial for students' interest in online learning. Participants in utility value-added conditions (relative to control) were more likely to visit websites indirectly lesson-related and of personal interest. Accessing these two types of websites predicted greater interest and performance at lesson's end.

## Mixed Bag

Oral Paper Session, Saturday, 4:30 – 5:30 pm, Big Thompson

Moderator: LESLIE CRAMBLET ALVAREZ, Adams State University

4:30

Religious Belief and Scientific Belief  
RYAN BALKE  
Metropolitan State University of Denver  
This study examined a possible correlation between mortality salience, religious belief and acceptance of non-scientific theories. Although mortality salience has been found to prime specific religious orientations in the past, it did not prime religiosity in general. However, religiosity and beliefs in non-scientific theories were found to be highly correlated.  
Faculty Sponsor: Lesley Hathorn

## Mixed Bag Oral Session (cont.)

4:45

Self-Esteem, Attitudes, and Death Anxiety  
JASON MCALLISTER AND THERESA J. MARTIN  
Eastern Washington University  
Templer (1980) and Lonetto & Templer (1986) describe the development of the Death Anxiety Scale and subsequent correlations with death anxiety. The current study's focus is to understand the relationship between self-esteem, Templer's interpretation of death anxiety, and a locally developed measure of views on death. Relevance of the study extends to non-clinical populations, especially persons with low self-esteem.

5:00

Comparing Legal Safeguards: Jurors and Judges Perceive Interrogation Tactics Differently and Reach Different Legal Decisions  
WILLIAM DOUGLAS WOODY<sup>1</sup>, KRISTA D. FORREST<sup>2</sup>, JOSHUA M. STEWART<sup>1</sup>, KARLEE R. PROVENZA<sup>1</sup>, LOURDES JANET SANCHEZ<sup>1</sup>, STEVEN J. POWNER<sup>1</sup>, ALEXANDRA AUSTIN<sup>1</sup>, MEGAN MOTZNER<sup>1</sup>, JESSI HERSI<sup>1</sup>, ARIEL ARMELINO<sup>1</sup>, JANET ABU-OKAL<sup>1</sup> AND DEANNA L. MCGRONE<sup>1</sup>

<sup>1</sup>University of Northern Colorado AND <sup>2</sup>University of Nebraska at Kearney  
Judges and juries are expected to recognize and reject false confessions to prevent miscarriages of justice, but judges and jurors differ on perceptions of deception and coercion present in interrogations and in legal decisions about interrogations. We discuss implications of these findings for attorneys, expert witnesses, and police interrogators.

5:15

A National Crisis: Reviewing The School Shooter Profile as well as Preventative Practices  
TANDIS HASHEMI, JONATHAN LUSSIER, ZACHARY A. LOMUTO, EVAN RUCK, VANESSA FARRERA, ERIN PRICE AND ROSEMARY HERNANDEZ  
Metropolitan State University of Denver  
The rate of mass shootings has been increasing in the last decade. In order to understand the etiology behind these acts, research that focused on the behavior, development, and motivation of perpetrators was reviewed. The influential factors along with methods and practices that can increase awareness and aid in the prevention of such events are discussed.



## RMPA Symposium

### Sexual Behaviors and Relationships of College Students

Saturday, 4:30 – 5:30 pm

Platte River

Moderator: K. NICOLE JONES, Colorado Mesa University

*The Role of Sex Education Type on High Risk Sexual Behaviors of College Students*

SARAH WITMER AND K. NICOLE JONES

Colorado Mesa University

*An Exploration of College Age Adult's Motives for Engaging in Various Romantic and Sexual Relationships*

SARAH ZWETZIG, ARMOND LORENZANA, JEREMY FARINA AND JACOB JONES

Colorado Mesa University

*Mate Retention Behaviors of College Age Adults*

ALISON AGER, ERIN HOLL, TIA WASSOM-THORNHILL AND JACOB JONES

Colorado Mesa University

*Risky Business: Sexual Self-Efficacy and Taking Sexual Risks*

KARI KIMBROW, BRITTNEE SMITH AND MICHELLE NEWHALL

Colorado Mesa University

Faculty Sponsor: Susan E. Becker



## RMPA Closing Session, Awards Ceremony, and President's Reception/Social Hour



The RMPA Awards Ceremony will occur at 5:30 pm at the beginning of the closing session.



After awards, we will have reports of RMPA Business for 2012-2013.

**Saturday 5:30 - 7:00 pm Ballrooms A and B**

**WAYNE WEITEN,  
University of Nevada, Las Vegas,  
Chair and Host**

**RMPA****Executive Committee Meeting***Sunday 8:00 am - 1:00 pm Clear Creek***STEVE BARNEY, RMPA President 2013-2014  
Southern Utah University, Chair****SPECIAL  
PRESENTATION****84th ANNUAL  
ROCKY MOUNTAIN  
PSYCHOLOGICAL ASSOCIATION  
CONFERENCE****APRIL 24-26, 2014****In Salt Lake City, UT****ATTENTION STUDENTS!****Psi Chi Journal of  
Undergraduate Research  
Call for Papers**

The Psi Chi Journal of Psychological Research encourages all Psi Chi members—including undergraduate students, graduate students, and faculty—to submit manuscripts for publication. Submissions are accepted for review throughout the year. Although manuscripts are limited to empirical research, they may cover any topical area in the psychological sciences. Please send ALL submissions and inquiries through our portal (see link at the bottom of this page). Manuscripts are peer reviewed and the process lasts approximately 10–12 weeks. Authors' work is judged in comparison to others at their developmental level.

Once the work is peer reviewed, the primary author will receive email notification for (a) acceptance with minor revisions, (b) revise and resubmit, or (c) reject. Accepted manuscripts are published according to submission dates, revision turnaround time, and at the discretion of the Editor. If you have any questions about the submission process, e-mail the Managing Editor at [psichijournal@psichi.org](mailto:psichijournal@psichi.org). To submit a manuscript go to: [http://www.psichi.org/pubs/journal/ejp\\_submission.aspx](http://www.psichi.org/pubs/journal/ejp_submission.aspx)

**ATTENTION STUDENTS!****Journal of Psychological Inquiry  
Call for Papers**

(Submissions are made online at <http://www.edmgr.com/jpi>)

**See sections next two pages**

***Invitation to Contribute to the  
Special Features Section—I***

Undergraduate students are invited to work in pairs and contribute to the Special Features section of the next issues of the Journal of Psychological Inquiry. The topic is:

***Evaluating Controversial Issues***

This topic gives two students an opportunity to work together on different facets of the same issue. Select a controversial issue relevant to an area of psychology (e.g., Does violence on television have harmful effects on children?—developmental psychology; Is homosexuality incompatible with the military?—human sexuality; Are repressed memories real?—cognitive psychology). Each student should take one side of the issue and address current empirical research. Each manuscript should make a persuasive case for one side of the argument.

Submit 3-5 page manuscripts. If accepted, the manuscripts will be published in tandem in the Journal.

***Note to Faculty:***

This task would work especially well in courses that instructors have students debate controversial issues. Faculty are in an ideal position to identify quality manuscripts on each side of the issue and to encourage students to submit their manuscripts.

***Invitation to Contribute to the  
Special Features Section—II***

Undergraduate students are invited to contribute to the Special Features section of the next issue of the Journal of Psychological Inquiry. The topic is:

***Conducting Psychological Analyses – Dramatic***

Submit a 3-5 page manuscript that contains a psychological analysis of a television program or movie.

**Option 1—Television Program:**

Select an episode from a popular, 30-60 min television program, describe the salient behaviors, activities, and/or interactions, and interpret that scene using psychological concepts and principles. The presentation should identify the title of the program and the name of the television network. Describe the episode and paraphrase the dialogue. Finally, interpret behavior using appropriate concepts and/or principles that refer to the research literature. Citing references is optional.

***Invitation to Contribute to the  
Special Features Section—II (cont.)***

**Option 2—Movie Analysis:**

Analyze a feature film, available at a local video store, for its psychological content. Discuss the major themes but try to concentrate on applying some of the more obscure psychological terms, theories, or concepts. For example, the film *Guess Who's Coming to Dinner?* deals with prejudice and stereotypes, but less obviously, there is material related to attribution theory, person perception, attitude change, impression formation, and nonverbal communication. Briefly describe the plot and then select key scenes that illustrate one or more psychological principles. Describe how the principle is illustrated in the movie and provide a critical analysis of the illustration that refers to the research literature. Citing references is optional.

***Invitation to Contribute to the  
Special Features Section—III***

Undergraduate students are invited to contribute to the Special Features section of the next issue of the Journal of Psychological Inquiry. The topic is:

***Conducting Psychological Analyses – Current Events***

Submit a 3-5 page manuscript that contains a psychological analysis of a current event. News stories may be analyzed from the perspective of any content area in psychology. The manuscript should describe the particular event and use psychological principles to explain people's reactions to that event.

**Example 1:** Several psychological theories could be used to describe people's reactions to the destruction of the World Trade Center on September 11, 2001. Terror management research has often shown that after reminders of mortality people show greater investment in and support for groups to which they belong and tend to derogate groups that threaten their worldview (Harmon-Hones, Greenberg, Solomon, & Simon, 1996). Several studies have shown the link between mortality salience and nationalistic bias (see Greenberg, Simon, Pyszczynski, & Solomon, 1992). Consistent with these findings, the news reported that prejudice towards African Americans decreased noticeably after 9/11 as citizens began to see all Americans as more similar than different.

**Example 2:** A psychological concept that could be applied to the events of September 11 would be that of bounded rationality, which is the tendency to think unclearly about environmental hazards prior to their occurrence (Slovic, Kunreuther, & White, 1974). Work in environmental psychology would help explain why we were so surprised by this terrorist act.

The analysis of a news event should include citations of specific studies and be linked to aspects of the news story. Authors could choose to apply several psychological concepts to a single event or to use one psychological theory or concept to explain different aspects associated with the event.



## RMPA

### 2013 STUDENT PAPER AWARDS

(Winners will be recognized at the RMPA Closing Session)

Two special review committees read the abstracts submitted by the students for this competition. Thanks are due to **Paul A. Bell, Alice Healy, Wayne Viney, Eric Amsel, William Wozniak, Donna Gelfand, Judith A. Sugar, and Karen Ford**, for serving on the award review committee, **Roxanne Sullivan** for being Head Judge, and **Cheryl E. Sanders, Aaron S. Richmond, and David Pan** for serving on the judge's panel.

### RMPA AWARD FINALISTS

**Congratulations to these students for outstanding papers!**

**These awards will be announced at the beginning of the RMPA Closing Session on Saturday at 5:30 pm.**

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*The Impact of Flattery on Self-Esteem and Mate Selection in College Males*

**DORIS BERBERIC, ASHLEY NEWELL, DAELYNN SHIFLETT AND CATARINA FUENTES**

Western New Mexico University

Faculty Sponsor: **Jennifer Coleman**

*A Meta-Analytic Review of the Testing Effect*

**CHRISTOPHER ROWLAND**

Colorado State University

*Student Parents: Personal and Academic Factors of College Success*

**ANNA CHAVEZ**

Adam State University

Faculty Sponsor: **Leslie Cramblet Alvarez**

*So, You Want to Lead an International Student Support Group? Advice from Group Leaders*

**ALEX JOHNSON, JACOB LUDLOW, LISA TAKARA, ZHEN LI, MELISSA TINGEY, PHOEBE KUNG AND NATE PAGE**

Brigham Young University

Faculty Sponsor: **Mark Beecher**

*Remembering to Help: Social Prospective Memory Performance and Accessibility*

**ANNA FAHLSING**

University of Wyoming

Faculty Sponsor: **Suzanna Penningroth**

*Levels of Self-Compassion Negatively Correlate with Levels of Aggression*

**KAYLEE LITSON**

Dixie State College of Utah

Faculty Sponsor: **John Jones**

*Societal Challenge and Depression, Self-Esteem, and Self-Concept Clarity in Asexuals*

**JULIA PRIMS**

University of Colorado at Boulder

Faculty Sponsor: **Diane Martichuski**

*Truth Judgments Affected by Negativity Bias through Statistical Statement Valence Framing*

**JENNIFER SOLBACH**

Metropolitan State University of Denver

Faculty Sponsor: **Leslie Hathorn**

**We would like to thank  
the American Psychological Association  
for contributing funds for these awards.**

## Psi Chi 2013 Award Recipients

**Presentation of these awards will occur on Friday from 6-8 pm at the Psi Chi Awards Ceremony in Cherry Creek.**

Psi Chi would like to honor the following papers for the Psi Chi Student Research Awards for 2013. These papers are presented in a session on Friday afternoon, and are followed by the Psi Chi Awards Ceremony at 6 pm.

*Peer and Romantic Partner Frequency and Approval of Use as Predictors of Substance Use Behavior in Late Adolescence*

**DYLAN FIRSICK AND ELIZABETH ALLEN**

University of Northern Colorado and University of Colorado Denver

*On-Line or In-Lab? A Comparison of Methodologies in Prospective Memory Experiments*

**ANNA J. FAHLSING AND SUZANNA P. PENNINGROTH**

University of Wyoming

*The Effects of Cultural Thinking Styles on the Better-Than-Average Effect*

**KRISTIN BROUSSARD AND CHAD MORTENSEN**

Metropolitan State University of Denver

*Resilience in Older Adults Dwelling in Rural Wyoming*

**MARIA DOBELMANN, AARON LEE, CATHERINE CARRICO AND CHRISTINE MCKIBBIN**

University of Wyoming

*A New Instrument to Aid in Early Diagnosis for Autism Spectrum Disorder*

**PETER D. MARLE AND FREDERICK L. COOLIDGE**

University of Colorado, Colorado Springs

*Beck's Congruency Model of Depression: A Comparison of Japanese and American College Students*

**MIKA MORIWAKI<sup>1</sup>, CAROLYN M. PEPPER<sup>1</sup>, SHINJI SAKAMOTO<sup>2</sup> AND ITSUKI YAMAKAWA<sup>2</sup>**

<sup>1</sup>University of Wyoming AND <sup>2</sup>Nihon University

## RMPA DISTINGUISHED SERVICE AWARDS<sup>23</sup>

*In 1978 the Association started a procedure whereby members of the Association who have given their time and efforts over and above that which would be normally required should receive special recognition. That year, the Association established a Distinguished Service Award which was a small means whereby individuals could be afforded special recognition. Since that time several individuals have been so honored. The honorees are:*

1978	Bernard Spilka	University of Denver
1981	Ralph D. Norman	University of New Mexico
1982	William H Brown	Utah Psychological Center
	Alice R. Fehrenbach	Denver, Colorado
	Wilson J. Walthall	University of Wyoming
	Helen Wilson	Eastern Montana College
1983	Irwin H. Cohen	V.A. Hospital, Denver, Colorado
	Henry C. Ellis	University of New Mexico
	W. C. Leiding	Lovelace Medical Center
	Earl E. Swartzlander	Denver, Colorado
1984	Robert H. Bruce	University of Wyoming
	Harrie F. Hess	University of Nevada, Las Vegas
1985	Paul Porter	University of Utah
	Sheila Dietz	Colorado State University
1986	Janet Wollersheim	University of Montana
1987	Richard G. Weigel	Colorado State University
1988	W. C. Leiding	Lovelace Medical Center
	David Thomas	University of Colorado, Boulder
	Harl H. Young	Metropolitan State College
	Michael Wertheimer	University of Colorado, Boulder
1989	Sara Lyon James	SE Wyoming Mental Health Center
	Neil Bartlett	University of Arizona
1991	Theodore H. Cutler	University of Denver
1992	Len Haas	University of Utah
1993	Janet Kay Schnorr	Northern Arizona University
1994	Michael Wertheimer	University of Colorado, Boulder
1995	Robert L. Atwell	Denver, Colorado
1996	Karen E. Ford	Mesa State College
1997	William Wallace	University of Nevada, Reno
1998	Susan Bromley	University of Northern Colorado
	William J. Wozniak	University of Nebraska at Kearney
1999	No award given	
2000	Paul A. Bell	Colorado State University
2001	Kenneth Nikels	University of Nebraska at Kearney
2002	Pennie Seibert	Boise State University
	Roger Fouts	Central Washington University
2003	Rick Miller	University of Nebraska at Kearney
2004	Mitch Handelsman	University of Colorado at Denver
	Wayne Viney	Colorado State University
2005	Diane Martichuski	University of Colorado Boulder
2006	Alice Healy	University of Colorado Boulder
2007	Michelle Butler	U.S. Air Force Academy
	Mark McDaniel	Washington University
2008	Nancy Karlin	University of Northern Colorado
2009	Ross Loomis	Colorado State University
2010	Judith A. Sugar	University of Nevada Reno
2011	Cheryl Sanders	Metropolitan State College of Denver
2012	Eric Amsel	Weber State University

## Rocky Mountain Psychological Association Presidents (1930-2014)

1930/31	Lawrence W. Cole	University of Colorado
1931/32	Jacob D. Heilman	Colo State Teachers College
1932-33	Thomas R. Garth	University of Denver
1933/34	George T. Avery	Colorado Agricultural College
1934/35	Jacob D. Heilman	Colo. State Teachers College
1935/36	Thomas H. Howells	University of Colorado
1936/37	Thomas R. Garth	University of Denver
1937/38	Karl F. Muenzinger	University of Colorado
1938/39	Robert A. Davis	University of Colorado
1939/40	Lawrence W. Miller	University of Denver
1940/41	Wallace T. Wait	Colorado State College of Educ.
1941/42	S. L. Crawley	Colorado State College of Educ.
1942/43	Robert H. Bruce	University of Wyoming
1943/44	Robert H. Bruce Martha Lou Lemmon	University of Wyoming Colorado College
1944/45	Lawrence W. Miller	University of Denver
1945/47	William A. Blakely	Colorado College
1947/48	Thomas H. Howells	University of Colorado
1948/49	Lillian G. Portenier	University of Wyoming
1949/50	Lawrence I. O'Kelly Karl F. Muenzinger	University of Colorado University of Colorado
1950/51	Theodore H. Cutler	University of Denver
1951/52	Herbert Klausmeier	Colo. State College of Educ.
1952/53	Ralph D. Norman	University of New Mexico
1953/54	Hugh B. McFadden	University of Wyoming
1954/55	Lawrence S. Rogers	VA Hospital, Denver
1955/56	Donald D. Glad	Univ. of Colorado Med Center
1956/57	Maurice P. Smith	University of Colorado
1957/58	Calvin W. Taylor	University of Utah
1958/59	Anna Y. Martin	New Mexico Highlands Univ
1959/60	Wilson J. Walthall	University of Wyoming
1960/61	Paul B. Porter	University of Utah
1961/62	Bert R. Sappenfield	University of Montana
1962/63	Earl. E. Swartzlander	Swartzlander & Meyer
1963/64	Merrell Thompson	New Mexico State University
1964/65	John D. Cambareri	Idaho Department of Health
1965/66	William H. Brown	University of Utah
1966/67	Wilbur C. Miller	University of Denver
1967/68	Bernard Spilka	University of Denver
1968/69	Henry C. Ellis	University of New Mexico
1969/70	Ernst G. Beier	University of Utah
1970/71	John E. Hinkle	Colorado State University

1971/72	Joel E. Greene	New Mexico Highlands University
1972/73	Helen Wilson	Eastern Montana College
1973/74	Richard G. Weigel	Colorado State University
1974/75	Gregory A. Kimble	University of Colorado
1975/76	Harl H. Young	Div. of Mental Health, Colorado
1976/77	W. C. Leiding	Lovelace Clinic, Albuquerque
1977/78	William F. Battig	University of Colorado
1978/79	Harrie F. Hess	University of Nevada, Las Vegas
1979/80	Sheila R. Deitz	Colorado State University
1980/81	David R. Thomas	University of Colorado
1981/82	Michael Wertheimer	University of Colorado
1982/83	Terry C. Daniel	University of Arizona
1983/84	Janet P. Wollersheim	University of Montana
1984/85	David W. Martin	New Mexico State University
1985/86	Nelson F. Jones	University of Denver
1986/87	David C. Raskin	University of Utah
1987/88	Lyle E. Bourne, Jr.	University of Colorado
1988/89	Donna M. Gelfand	University of Utah
1989/90	Lee B. Sechrest	University of Arizona
1990/91	Leonard Haas	University of Utah
1991/92	Nancy Felipe Russo	Arizona State University
1992/93	William P. Wallace	University of Nevada, Reno
1993/94	Joseph Horvat	Weber State University
1994/95	Alice F. Healy	University of Colorado
1995/96	Beatrix T. Gardner William P. Wallace	University of Nevada, Reno Acting President, U. of Nevada
1996/97	Mark McDaniel	University of New Mexico
1997/98	Paul Bell	Colorado State University
1998/99	Roger Fouts	Central Washington University
1999/00	Elizabeth Glisky	University of Arizona
2000/01	Richard L. Miller	University of Nebraska at Kearney
2001/02	Wayne Viney	Colorado State University
2002/03	Mitch M. Handelsman	University of Colorado at Denver
2003/04	Karen Ford	Mesa State College
2004/05	Ross Loomis	Colorado State University
2005/06	Charles Honts	Boise State University
2006/07	Nancy Karlin	University of Northern Colorado
2007/08	Judith Sugar	University of Nevada Reno
2008/09	Bill Wozniak	University of Nebraska at Kearney
2009/10	Eric Amsel	Weber State University
2010/11	Pennie Seibert	Boise State University
2011/12	William Douglas Woody	University of Northern Colorado
2012/13	Wayne Weiten	University of Nevada, Las Vegas
2013/14	Steve Barney	Southern Utah University
2014/15	Leslie Cramblet Alvarez	Adams State University

### RMPA Convention Sites

1930	Boulder, CO	1973	Las Vegas, NV
1931	Greeley, CO	1974	Denver, CO
1932	Fort Collins, CO	1975	Salt Lake City, UT
1933	Laramie, WY	1976	Phoenix, AZ
1934	Golden, CO	1977	Albuquerque, NM
1935	Colorado Springs, CO	1978	Denver, CO
1936	Denver, CO	1979	Las Vegas, NV
1937	Boulder, CO	1980	Tucson, AZ
1938	Greeley, CO	1981	Denver, CO
1939	Fort Collins, CO	1982	Albuquerque, NM
1940	Denver, CO & Laramie, WY	1983	Snowbird Village , UT
1941	Greeley, CO & Golden, CO	1984	Las Vegas, NV
1942	No meeting	1985	Tucson, AZ
1943	No meeting	1986	Denver, CO
1944	Denver, CO	1987	Albuquerque, NM
1945	Boulder, CO	1988	Salt Lake City, UT
1946	No meeting	1989	Reno, NV
1947	Colorado Springs, CO	1990	Tucson, AZ
1948	Greeley, CO	1991	Denver, CO
1949	Laramie, WY	1992	Boise, ID
1950	Fort Collins, CO	1993	Phoenix, AZ
1951	Denver, CO	1994	Las Vegas, NV
1952	Boulder, CO	1995	Boulder, CO
1953	Albuquerque, NM	1996	Park City, UT
1954	Laramie, WY	1997	Reno, NV
1955	Boulder, CO	1998	Albuquerque, NM
1956	Grand Teton Natl Park, WY	1999	Fort Collins, CO
1957	Salt Lake City, UT	2000	Tucson, AZ
1958	Santa Fe, NM	2001	Reno, NV
1959	Sun Valley, ID	2002	Park City, UT
1960	Glenwood Springs, CO	2003	Denver, CO
1961	Albuquerque, NM	2004	Reno, NV
1962	Butte, MT	2005	Phoenix, AZ
1963	Cody, WY	2006	Park City, UT
1964	Salt Lake City, UT	2007	Denver, CO
1965	Denver, CO	2008	Boise, ID
1966	Albuquerque, NM	2009	Albuquerque, NM
1967	Salt Lake City, UT	2010	Denver, CO
1968	Denver, CO	2011	Salt Lake City, UT
1969	Albuquerque, NM	2012	Reno, NV
1970	Salt Lake City, UT	2013	Denver, CO
1971	Denver, CO	2014	Salt Lake City, UT
1972	Albuquerque, NM		

Thursday April 11, 2013		Ballroom A	Durango -Atrium level (TEACHING SESSIONS)	Platte River (TEACHING SESSIONS)	Cherry Creek (student sessions)	Big Thompson (Psi Chi Leadership Workshop)
12:00 - 12:55 pm	Teaching Takeout					This leadership workshop goes from 9:00 am to 4:30 pm
1:00-1:55 pm		ADA Compliance	Experiential/Service Learning	How to Get into Grad School (and interview)		
2:00-2:55 pm	Kenneth Keith					
3:00-3:55 pm			Constructing a State-wide Technology Intensive Gen Psych Course	Finding a First Job	Making the Most of your Time at RMPA	
4:00-4:55 pm			Assess This!	Integrating Social Media into the Classroom	How to Generate Research Ideas for Projects	
5:00-5:55 pm	RMPA Opening Speaker David M. Buss (Ballrooms A and B)					
6:00 - 7:00	Teaching Posters and Kick-off Reception (Ballroom C)					
7:00- 8:00						



Friday Schedule, April 12, 2013				oral papers, symposia, workshops			
DATE/TIME	Ballrooms A and B (main speakers, posters, exhibits)	Ballroom C (main speakers)	Cherry Creek (Psi Chi)	Big Thompson	Platte River	Durango	Steamboat
8:00 - 8:30			Cherry Creek (Psi Chi)				
8:30 - 9:00			Psi Chi Welcome Coffee	Clinical 1	Memory (starts at 8:15 am)	Language	LGBTQ (starts at 8:15 am)
9:10 - 9:40	Robert Sternberg						
9:40 - 10:10							
10:20 - 10:50		Wayne Viney	Psi Chi Conversation hour- Sternberg	Clinical 2 (ends 11:05)			
10:50 - 11:20							
11:30 am to 1:00 pm	lunch break	lunch break	Psi Chi Advisors' lunch (in Clear Creek room)	lunch break	lunch break	lunch break	Diversity Video and Discussion with lunch (Telluride A)
1:00 - 1:30	Health/Community/Neuroscience posters			APA presents How to Publish	Personality/Relationships/Therapy	Students / Diversity	
1:30 - 2:00				Gender/Sports	Social		
2:10 - 2:40		Christine Chiarello	Tips for Getting into Grad School				
2:40 - 3:10							
3:20 - 3:50	Social/Gender/Diversity posters				Decline of Ethics in Military Academies Measurement	Battig Memory Symposium	
3:50 - 4:20			PSI CHI Award winners Oral Session (starts at 4 pm)				
4:30 - 5:00		Ron Comer					
5:00 - 5:30							
<b>EVENING</b>	<i>Worth Publishers Social 6 to 8 pm in Telluride A</i>		<i>Psi Chi Awards Reception/Raffle 6 - 7 pm</i>				

Saturday Schedule, April 13, 2013				oral papers, symposia, workshops			
DATE/TIME	Ballrooms A and B (posters, exhibits)	Ballroom C (main speakers)	Cherry Creek (Psi Chi)	Big Thompson	Platte River	Durango	Steamboat
8:00 - 8:30	Social/Law/IO/Sport posters			Neuroscience	Developmental	Education	Cross-Cultural Psych
8:30 - 9:00							
9:10 - 9:40	Clinical/Psychopharm/Personality Assessment posters	Wayne Weiten	Psi Chi Journal Submission Info		GLBTQ symposium		
9:40 - 10:10					Teaching		
10:20 - 10:50		Peggy McIntosh		Positive Psychotherapy Workshop			
10:50 - 11:20							
11:30 - 12 pm	Memory/Cog/Learning/S&P/Measurement/Religion posters	lunch break	lunch break	lunch break	Diversity conversation hour and lunch (Telluride A)	Teaching planning luncheon (in upper level of Vivace restaurant - preorder food by Friday noon)	
12:00 - 12:30							
12:30 - 1:00	lunch break						
1:00 - 1:30		Tom Greene	Psi Chi Leadership: Best Practices		Department Chair Discussion Hour		Universal Social Skills Program Workshop
1:30 - 2:00							
2:10 - 2:40		Sue Savage Rumbaugh	Psi Chi Leadership: Running Chapter	RMPA Award finalists 1		Enviromental Symposium	
2:40 - 3:10				RMPA Award finalists 2	Anxiety	Paul Bell Festschrift	
3:20 - 3:50	Education/Developmental posters		RMPA Psych Bowl				
3:50 - 4:20							
4:30 - 5:00				Mixed Bag Oral Session - Don't miss!	Sex Beh and Relationships - College Students		
5:00 - 5:30							
5:30 - 7:00	Closing Session, Awards, Reception						

INDEX	
ABEYTA, ALAYNA M.	80
A.BROUSSARD, KRISTIN	31
ABU-OKAL, JANET	113
ACEVEDO, YESENIA	35, 91
ADELMAN, FRANK	80
AGER, ALISON	114
ALLEN, CAMILLE	107
ALLEN, ELIZABETH	61, 122
ALLEN, G. E. KAWIKA	90
ALLEN, LOGAN	30
ALLEN, M. TODD	7, 35, 75
ALLGEIER, ROBERT L.	109
ALVAREZ, LESLIE CRAMBLET	31, 34, 57, 80, 104, 112, 120
AMATO-HENDERSON, SUSAN	53, 66
AMSEL, ERIC	21, 24, 27, 30, 107, 108, 120
ANDERSON, AUSTIN	74, 111
ANSBURG, PAMELA	51, 55
ARECHIGA, CHAD M.	60
ARMELENO, ARIEL	113
ARROYO, PAULO	81
ASHLEY, AARON	7, 35, 63, 84
ATKINS, CHELSEA	52, 72
AUSTIN, ALEXANDRA	113
BACHIK, ALEXIS KARRIS	41, 89
BADANES, LISA	76, 86, 105
BAIRD, TODD	7, 56, 63, 107
BAKER, CRYSTAL A.	77
BAKER, JOSPEH M.	74
BALKE, RYAN	31, 112
BANTA, CONNIE	30
BANZ, BARBARA	80
BARNEY, CHET	101
BARNEY, STEVE	6, 25, 39, 42, 96, 106, 116
BARUFFI, SHAYLENE	108
BATCHELDER, GREG	33
BATES, LAUREN	94
BATES, SCOTT	24, 74
BAYUK, BOB	63
BEAR, YOGI	225
BECKER, SUSAN E.	17, 20, 32, 33, 37, 39, 40, 66, 83
BECKMAN, LISA	30, 108
BECKNELL, JARED	89
BEECHER, MARK	104, 121
BEHLING, MICHAEL	84
BEHREND, ARWEN	58
BELL, JASON	33
BELL, PAULA.	97, 101, 106, 120
BENDER, SARA	79
BENFIELD, JACOB A.	101
BERBERIC, DORIS	104, 120
BERGLUND, MAJKEN	31, 98, 102
BERNALLY, MAYLIN	45
BERTOCH, ADAM	41
BETJEMANN, REBECCA	92
BIHUN, JOAN	98, 102
BIRKETT, MELISSA	47, 105
BLACKEYE, CARRIE	90
BLACKLEDGE, SABRINA	105
BLISSE VOIGT	63
BLOCK, RICHARD	78
BOB, SPONGE	224
BODIN, RALPH	77
BONDANZA, ALLISON	51
BONDS-RAACKE, JENNIFER	25, 70
BOOTH, AUDREY	63
BORRAYO, EVELINN	81
BOURGEOIS, AMANDA	91
BOWEN, MEGAN M.	63
BRETT-GREEN, BARBARA	47
BRIDGMON, KRISTA	80
BRIGNONE, EMILY	56
BRODERICK, TYLER	34
BROUSSARD, KRISTIN	61, 91, 108, 122
BROWNFIELD, JENNA	110
BROWN, KIRSTEN	99
BROWN, RUDY	30, 91
BUCHANAN, TONY W.	54
BUGGIE, STEPHEN	7, 78
BUNNY, BUGS	210
BURNS, COLLIN	69
BUSS, DAVID M.	8, 28
BUTLER, MICHELLE A.	77, 99
BYNOG, PAMELA	49
CALL, RILEY	48
CAMPISI, JAY	49
CANETTO, SILVIA SARA	39, 59
CAPASSO, LAURA	75
CARDENAS, JOEY	71

CARLSON, TODD	44
CARPENTER, BRUCE	63
CARRICO, CATHERINE	39, 62, 109, 122
CARVER, COURTNEY	69
CASEY, TERESE	39
CASSIDY, KENDAL	89
CASTRO, NICHOL	54
CERBANA, CHRISTINE	109
CHADWICK, JESSICA	75
CHAVEZ, ANNA	104, 120
CHIARELLO, CHRISTINE	8, 50
CHOI, ANDREW	112
CHRISTENSEN, BRANDI	35
CHRISTIANSEN, LISA	39
CHRISTIANSON, ERICA	72
CLARK, TAIJH	107
CLEARY, ANNE M.	54
COCHRAN, KATHRYN	93
CODY, LINZI	46
COHN, SCOTT	44
COLEMAN, JAMES	102
COLEMAN, JENNIFER	60, 77, 104, 120
COLLETTE, TYLER	76
COLLINS, KORRINA	44
COLLINS, MARY	79
COLLMUS, ANDREW	94
COMER, RONALD J.	8, 9, 64
CONCHAR, IOLA	49
COOLIDGE, FREDERICK	62, 122
COOPER, JOSHUA R.	74
COPLEY-SMITH, TRELAWNEY	91
CORSER, GRANT	7, 24, 52, 71
COTTRELL, JOE	111
COYOTE, WILE E.	228
CRAMBLITT, BROOKE	70
CRAMPTON, DEVIN	112
CRANNEY, KYLE	36
CRIBBET, MATTHEW	44
CUPIT, NICKI	51, 109
CURL, LAYTON SETH	6, 7, 19, 40, 87, 96, 99
CURRY, CAROLE	47
DALLEY, MAHLON	7, 57
DASTRUP, SHERIDAN	57
DAVALOS, DEANA	80
DAY, JAYME	45
DEAN, CHRIS	91
DELBO, BRITANI	76
DELOSH, EDWARD	54, 93, 94
DEMSKI, ROBERT	74
DENNIS, ELLIOTT	73
DERUBY, CALLI	44
DESILETS, CHRIS	99
DESTEFANO, THOMAS	46
DEVIYANTI, DEVI	59
DIAZ, ABEL	93
DIRKS, PATRICIA	76
DITTRICK-NATHAN, KARIN	78
DOANE-SAMPEY, LEAH	95
DOBELMANN, MARIA	62, 122
DOO, SCOOBY	209
DOO, SCRAPPY	209
DOUGLAS, WILLIAM	85
DRENNEN, AVA R.	81
DRESSLER, VALENTINO	74
DREYER, CASSIE	98, 102
DUCK, DAFFY	211
DUNBAR, NORA D.	84, 110
DUNN, THOMAS M.	27, 33
DYKEMA, KRISTY R.	83
EAKER, RHONDA	21
EARL, HEATH	7
EKKER, MATT	24
ELIAS, STEVEN	101
ELISON, JEFF	51, 57, 63, 99
ELLIOTT, JONATHAN	77
EMERSON, DOUGLAS	57
ENGVALL, EMILY	99
EPELBAUM, VADIM B.	31
ERICKSEN, ANDREA	44, 45
ERICKSON, CYNTHIA	75
ERICKSON, HANNAH	105
ESTRADA, SAMANTHA	46
FAHLSING, ANNA J.	61, 103, 121, 122
FAJARDO, DENISE	77
FARGO, JAMISON	45
FARINA, JEREMY	114
FARRERA, VANESSA	113
FARRER, THOMAS J.	48
FARROBA, TYLER	44
FELICIANO, LEILANI	110
FELLER, DANIEL	35
FERNANDEZ, NORMA P.	46

FIRSICK, DYLAN 61, 122  
 FITCH-MARTIN, ARISSA 47  
 FLECK, BETHANY K.B.  
     6, 21, 26, 30, 34, 91, 108  
 FLORES, SELANI 109  
 FOCHS, AMANDA-JEAN 108  
 FORD, KAREN 120  
 FORD, TARA 45  
 FORREST, KRISTAD. 72, 99, 113  
 FOUTZ JR., DONALD 111  
 FOWLER, LAUREN 24  
 FOWLES, CANDACE 52  
 FRANK, ANTHONY 91  
 FREESE, DYLAN 48  
 FRITSON, KRISTA 18, 105  
 FUENTES, CATARINA 104, 120  
 FULLMER, KASSIE 111  
 FULTON, KATE 45  
 GALE, WENDY 52  
 GALLARDO, LISYURI 56  
 GALL, RACHEL 41  
 GARCIA, BRENDA 99  
 GARCIA, SANDRA 110  
 GARRIOTT, PATTON 72, 110  
 GEE, ERIC 92  
 GEISER, CHRISTIAN 95  
 GELETY, CHRISTOPHER 47  
 GELFAND, DONNA 120  
 GHAFFARI, DYLAN A. 55, 109  
 GILBERTSON, DONNA 111  
 GINGERICH, KARLA 89  
 GOLLOB, JUSTIN 69  
 GOMEZ, TODD 30  
 GONZALEZ, JOSE 83  
 GONZALEZ, SPEEDY 227  
 GOODMAN, JOSEPH M. 52, 71  
 GORDON, LINDSEY 84  
 GORILLA, MAGILLA 215  
 GREENE., THOMAS C. 8, 9, 97  
 GRIFFITH, SHANNON 111  
 GRIFFITHS, JACQUELINE 52  
 GRIMM, MARSHALL 112  
 GROTH, ANTHONY 49  
 GRUNDY, MORGAN 110  
 GRUNIG, KEVIN 111  
 GUEVARA, ANA MARIA 31  
 HACK, MICHAEL 44  
 HAGAN, LISA KINDLEBERGER  
     7, 18, 27, 51

HALLER, KIMBERLY 73  
 HAMPTON, SHANNON 56  
 HANCOCK, SARAH 31  
 HANCOCK, THOMAS 60  
 HANDELSMAN, MITCH 98  
 HANKY, MISTER 223  
 HANSEN, CHELSEA 112  
 HARGRAVE, ARIEL 52  
 HART, MEGAN 57  
 HARTSOUGH, LAUREN 47  
 HASHEMI, TANDIS 113  
 HATHORN, LESLEY  
     7, 31, 35, 55, 56, 77, 81, 90, 91,  
     103, 112, 121  
 HAUG, RACHEL M. 82  
 HEALY, ALICE 59, 120  
 HEATH, TRAVIS 26, 113  
 HEDGES, DAWSON W. 48  
 HEDMAN, BRIANA 51, 73  
 HEETER, JAY 72  
 HENDRICKS, MICHELLE A. 54  
 HENRITZE-HOYE, JESSICA 73  
 HENRY, KIMBERLY 47, 109  
 HERNANDEZ, PAUL 59, 77  
 HERNANDEZ, ROSEMARY 113  
 HERSI, JESSI 113  
 HESTER, CHELSEA 55  
 HILL, CURTIS 90  
 HILL, JORDAN 80  
 HILL, KATHERINE 20, 21  
 HIRZ, AMBER 111  
 HOFFMANN, DANIELLE 52  
 HOFFMAN, RYAN 91  
 HOLL, ERIN 114  
 HOOD, JANEISHA 79  
 HOPE, ERICA 46  
 HORN, ROBERT 46  
 HORNSBY, LISA A. 107  
 HORWATH-OLIVER, COURTNEY 45  
 HOUCK, SCOTT 40  
 HOUND, HUCKLEBERRY 222  
 HOUSER, MELISSA 33  
 HOUSKA, JEREMY ASHTON  
     7, 26, 42, 79  
 HOWARD, ALEX 98, 102  
 HUEY, STANLEY 33  
 HUGHES, SAMANTHA L. 110

HYDE, STEVEN J. 71  
 JACKSON, BRANDON 63  
 JAEGER, CHRISTINE 55, 109  
 JAKSIC, ARIJANA 31, 35  
 JAMES, LORI E. 54, 95  
 JOHNSON, ALEX 104, 121  
 JOHNSON, BENJAMIN A 74  
 JOHNSON, BRIAN 46  
 JOHNSON, LAUREN 47  
 JOHNWELL, ESA 77  
 JONES, DEANN 24  
 JONES, JACOB 114  
 JONES, JOHN 103, 121  
 JONES, K. NICOLE 114  
 JONES, SHANE 24  
 JONES, TUCKER 57, 63  
 JOY, DIANA 88  
 KAHLER, MATTHEW 91  
 KARLIN, NANCY J. 20, 41, 71, 92  
 KARLSEN, ANNIKA 74  
 KASNEY, ALISON 109  
 KASNEY, ALLEY 91  
 KATAYAMA, ANDREW D. 77  
 KEES, NATHALIE 84  
 KEITH, KENNETH D. 8, 10, 22  
 KELLENAERS, KRISTEN 45  
 KERNER, CYNTHIA L. 101  
 KILLPACK, JENNIFER 108  
 KIMBROW, KARI 114  
 KING, WHITNEY 24  
 KITCHEN, KATHERINE 47  
 KITTY, HELLO 219  
 KLEIN, ERIC M. 31, 91  
 KLEIN, JEANNINE 7, 26, 58, 78  
 KNIGHT, APRIL 63  
 KNIGHT, TIFFANY 57  
 KOHOUTEK, LAUREN 105  
 KRANZ, PETER L. 23, 27  
 KUHL, NASHLYN 105  
 KULHANEK, KIRSTY 72, 101  
 KUNG, PHOEBE 104, 121  
 KURAITIS, DENISE 112  
 KUSANO, KODAI 78  
 KWAN, KAREN 24, 112  
 LACEY, ALEX 111  
 LADWIG, JOY 48  
 LAHMAN, MARIA 70  
 LAMB, ERICA M. 31

LAM, RACHEL 94  
 LAMS, ERICA 79  
 LANDWEHR, NICOLE 84  
 LANN-WOLCOTT, HANNAH 80  
 LARSEN, LAUREN 112  
 LARSON, MICHAEL J. 48, 51  
 LAWTON, ALEXIS D. 60  
 LEE, AARON 62, 122  
 LEGHORN, FOGHORN 226  
 LEISHMAN, DANIEL 107  
 LESCREOART, MATT 69  
 LEWIS, AUDRA 80  
 LIEBERENZ, SARAH 31, 55, 91  
 LINDAHL, KEVIN 111  
 LINDSEY, JACK 99  
 LINZ, THOMAS 75  
 LISKOV, ALANA 110  
 LITSON, KAYLEE 103, 121  
 LI, ZHEN 104, 121  
 LOCKWOOD, LINDA 20  
 LOGAN, DUSTIN M 51, 63  
 LOMUTO, ZACHARY A. 113  
 LONG, ELIZABETH 34  
 LOOMIS, AMBER 47  
 LOPEZ, VICTORIA 107  
 LORENZANA, ARMOND 114  
 LUDLOW, JACOB 104, 121  
 LUNDRY, BLAKE 30  
 LU, QUN 49  
 LUSSIER, JONATHAN 113  
 LUTH, CLINTON 41  
 MABREY, MELANIE 70  
 MACE, BRITTON 99, 101  
 MADDEN, GREGORY J. 45  
 MADSEN, KAILEY 57  
 MAGHSOUDLOU, ALIREZA 34  
 MALMSTROM, FREDERICK V.  
     33, 53  
 MANNIE, MARK 49  
 MANUEL, LAURA 23  
 MARLE, PETER D. 62, 122  
 MARQUIT, JOSHUA 74  
 MARRS, HEATH 111  
 MARSHALL, CASSANDRA 84  
 MARSHALL, EMILY 47  
 MARSING, NICK 24, 27, 57, 112  
 MARTICHUSKI, DIANE  
     6, 7, 21, 103, 106, 121

MARTIN, KYLE 74  
MARTIN, THERESA J. 48, 113  
MARTIN JR., WILLIAM E. 82  
MARTINEZ, PATRICIA 39  
MARTINEZ, TYLAR 80  
MARYOTT, ANNA 48  
MASTIN, GREGORY 31  
MATTHEWS, PERCIVAL 108  
MATTSON, JAY 48  
MAXFIELD, LISA 94  
MAXFIELD, MOLLY 95  
MAZUR, DOMINIKA 58  
MAZZOTTA, ELIZABETH 110  
MCALLISTER, JASON 57, 113  
MCCABE, ANNA 110  
MCCALL, RONA 39, 61  
MCCOY, CIARA 98, 102  
MCCULLOCH, KATHLEEN 58  
MC GEEHEE, HOPE 49  
MCGILLCUDDY, COLLEEN 83  
MCGRONE, DEANNA L. 113  
MCINTOSH, PEGGY  
8, 9, 11, 87, 96  
MCKIBBIN, CHRISTINE  
47, 62, 122  
MCKIM, COURTNEY 42  
MEDINA, JOCELYN K. 31  
MENGER, LAUREN M. 47  
MERRILL, SHARON 94  
MILES, JUBAL 75  
MILLAR, MURRAY 58  
MILLER, ANAH 91  
MILLER, KATHERINE M. 76, 89  
MILLER, RICHARD L.  
6, 7, 22, 27, 42, 50, 52, 72,  
76, 106  
MILROY, MORGAN 72  
MIRANDA, MICHAEL DE 77  
MIRO, DANIELLE 72  
MISSIRLIAN, BRIAN 92  
MOAN, EUGENE 7  
MONSON, HILARY 71  
MOORE, SHANNON 58  
MORGAN, ERIN C. 83  
MORIWAKI, MIKA 62, 69, 122  
MORTENSEN, CHAD  
6, 55, 61, 91, 122  
MOTZNER, MEGAN 113  
MULHOLLAND, RACHEL 51  
MULLIN, R. DAVID 53  
MURRAY, JESSICA 48  
NANEZ, JOSE 49  
NAPOLITANO, SKYE 63  
NAYLOR, JANETT  
7, 41, 76, 84, 105  
NELSON, JULIE A. PETERSON 88  
NETISINGHA, CONSTANCE 79  
NEWELL, ASHLEY 104, 120  
NEWHALL, MICHELLE 114  
NGUYEN, JENNIFER 81  
NIELSEN, DEREK 95  
NOLAN, JULIE 77  
NOWAK, JOSHUA T. 83  
NYLINE, BLAIR 82  
OAKLAND, JOSHUA 49  
OAKMAN, SHANNON D. 31  
ODELL, CAMILLE J. 36, 111  
O'HALLORAN, MARY SEAN  
39, 82, 109  
OISON, KRISTINE J. 7  
OLIVARES, DAMIEN 79  
OLIVIERA, THOMAS DE 112  
OPGENORTH, KORINA ROCKELLE  
35  
OSTENSON, JOSEPH 41  
PACKARD, GARY 98  
PAGE, NATE 104, 121  
PALILLA, JESSICA 91  
PALMER, LIBBI 44  
PAN, DAVID 33, 120  
PANTHER, PINK 224  
PARK, APRIL 70  
PARKER, KELLY 41  
PARRY, BRIAN 69  
PARSONS, BRIANA 75  
PASCOE, ELIZABETH 36  
PELLERSELS, STEPHANIE 83  
PENNINGROTH, SUZANNA P.  
61, 103, 121, 122  
PEPPER, CAROLYN M. 62, 69, 122  
PEREZ, CAROLINA 111  
PETERS, JANET 89  
PETERSON, RACHEL 36, 45, 111  
PETTY, MICHAEL 92  
PHILIPPUS, ANGELA M. 90  
PHILLIPS, KRISTINA 83

PHILLIPS, MICHAEL 83  
PIG, PORKY 205  
PILOTTI, MAURA 34  
PITTMAN, JASMINE 111  
PLOHARZ, SCOTT 56, 76  
PORCELLI, CHRISTOPHER 57  
POURRIAH, PEJMON 76  
POWELL, SHAWN  
7, 48, 63, 75, 88  
POWNER, STEVEN J. 70, 113  
PRABHAKAR, BRINDA 110  
PRICE, ERIN 113  
PRIMS, JULIA 103, 121  
PRITCHARD, MARY 69, 70  
PROVENZA, KARLEE R. 113  
PUGH, KEVIN 109  
PUGLIESE, KATE 63  
PULLANO, KAYLA 31, 108  
PULOS, STEVEN 77  
QIU, WEI 74  
QUIRK, SHANNON 49  
RAACKE, JOHN 25, 70  
RABAINO, ALANI 82  
RABBIT, JESSICA 201  
RACKHAM, DAVID 51  
RACZYNSKA, KAJA 75  
RADEKE, MARY 79  
RANDELL, CHRISLYN 20  
RAU, HOLLY 44  
REIER, JANA 105  
REINEKE, MAGGIE H. 36  
REITER, STEPHANIE 72, 110  
REITHER, ASHLIE 34  
REYES, CARLA 99  
RHOADS, MICHAEL 93  
RHODES, MATTHEW 94  
RICHARDS, ANGELA 78  
RICHARDS, DANIELLE 82  
RICHARDSON, RACHEL 30  
RICHMOND, AARON S.  
7, 23, 26, 30, 31, 34, 39, 54, 61,  
88, 98, 99, 102, 109, 120  
RINGS, JEFFREY 59, 82  
RIVKIN, INNA 45  
ROBERTS, KYDRA 73  
ROCHE, JEFFREY 46  
ROCHELEAU, COURTNEY  
21, 81  
RODGERS, GREG 71  
RODRIGUEZ, MELANIE DOMENECH  
86, 111  
ROGO, JAQUELINE 77  
ROMO, TATTIANA 81  
ROPP, ANNA 36, 56, 86  
ROSA, JULIANA 109  
ROWLAND, CHRISTOPHER  
93, 94, 104, 120  
ROWSE, JOCELYN 77  
RUCK, EVAN 113  
RUECHEL, ELIZABETH M. 59, 82  
RUGGIERO, SHERRI 82  
RUNNER, ROAD 205  
RUSH, SIGOURNEY 47  
RUSSELL, MELISA 30  
RUSSELL-STAMP, MELINDA 52, 76  
RUTLEDGE-ELLISON, LILY 108  
RYCEK, ROBERT 6, 19  
SADD, SARA 99  
SAKAMOTO, SHINJI 62, 69, 122  
SALAMI, MUBARAK AL 77  
SALMON, JERALEE 48  
SAM, YOSEMITE 209  
SANBONMATSU, DAVID 58  
SANCHEZ, LOURDES JANET 113  
SANDERS, CHERYL E.  
6, 7, 76, 99, 120  
SANDERS, KRISTINA  
31, 51, 76, 89, 98, 102  
SANDERSON, JORDACE 34, 91  
SANSONE, CAROL 112  
SAUCEDA, MICHAEL 42, 52, 60  
SAVAGE-RUMBAUGH, SUE 8, 9, 100  
SCHATZ, ROBERT T. 7, 78, 90  
SCHELL, RHIANNA 91  
SCHEPMAN, STEPHEN 79  
SCHINDLING, CASEY L. 77  
SCHMANK, CHRISTOPHER 54  
SCHMIDT, MATTHEW 52  
SCHULTZ, ALEX M. 51  
SCOBELL, THOMAS J. 81  
SEELEY, AUSTIN 71  
SHAPIRO, JACLYN 110  
SHARDY, JUSTIN C. 31  
SHEPHERD, JASMINE 47  
SHERRY, PATRICK 51, 72, 73  
SHEWMAKER, EMMA 92



SHIFLETT, DAELYNN	104, 120	TERRANOVA, TIAH	44
SHWALB, DAVID W.	42, 60, 78	THE POOH, WINNIE	204
SILER, J.D.	78	THOMAS, KISORI M.	59
SILVER, MICHELLE	44	THOMAS, REBECCA	58
SILVER, N. CLAYTON	7, 58, 63, 73	TINGEY, MELISSA	104, 121
SIMON, CHRIS	33	TOBEY, MCKELLE	45, 111
SITZMAN, DANIELLE M.	94	TOMLINSON, LYDIA	91
SKIDMORE, MEGAN	57	TORMOHLEN, KAYLA	83
SLAVIN, JORDAN	44	TRAN, TUAN	49
SMERDON, ERIC	73	TRIMBLE, KRIS	32, 66, 83
SMILEY, NICHOLAS	63	TROTT, CARLIE D.	59
SMITH, BRITTNEE	114	TUCKER, TARA	77
SNOW, JASON A.	74	TURNER, RICHARD	48
SOFTAS-NALL, BASILIA	41	TURNER, SARAH	94
SOLBACH, JENNIFER	103, 121	TURRILL, JONNA	102
SONES, JANA E. R.	82	TYRRELL, CAITLIN J.	95
SOOTER, DUSTY	45	UEMURA, SAKI	52
SPANGLER, DIANE	63	ULLMAN, JOANNE R.	73
STAHELI, MATTHEW	24	VAN BOVEN, LEAF	43
STAHELSKI, ANTHONY	79	VASEFI, ARESH	49
STAMPS, ASHLEY	55, 91, 108	VAUX, LINDSAY	44
STAR, JOHN BLUE	91	VILLELA, CARLOS	83
STEFFEN, PATRICK	91	VINEYARD, JARED	58
STERNBERG, ROBERT	8, 11, 37, 39, 40	VINEY., WAYNE	8, 38, 120
STERNS, JILLIAN	30, 31, 55	VITTUM-JONES, ALEX	71
STEWART, JOSHUA M.	113	VOIGT, BLISSE	30, 76
STRATMOEN, EVELYN	60	WADKINS, THERESA A.	28, 42
STROSSER, GARRETT	23, 36, 52, 71, 105	WAGGE, JORDAN R.	7
SUGAR, JUDITH A.	120	WALSH, MARY	111
SUGOMOTO, SHAUNA	76	WALTMAN, SCOTT	39
SULLIVAN, NANCY	78	WARD, CATHERINE	80
SULLIVAN, ROXANNE	25, 27, 103, 104, 120	WARREN, CHANCE	93
SUNDWALL, PETER	34	WASSOM-THORNHILL, TIA	114
SUN, KEY	7, 18	WATSON, MARY ANN	40
SWIFT, JASON	75	WATSON, MICAH	42
SWINNEY, KATIE	93	WEBB, AMIE L.	92
SYDEMAN, SUMNER	83	WEEKS, DANIEL	105
TAGA, CARLEE	49	WEIHER, ANNE	55
TAKARA, LISA	104, 121	WEISBUCH, MAX	43
TAMENDAROVA, DANIYA	43	WEITEN, WAYNE	1, 6, 8, 9, 18, 28, 29, 64, 85, 100, 115
TAYLOR, DENRA	83	WELCH, RON	33
TAYLOR, KIMBERLEE	45	WESTBROOK, MICHAEL	112
TAYLOR, MORGAN	49	WHARTON, SHARON	76, 108, 109
TEBOCKHORST, SUNDA	82	WHITEHOUSE, SHAYNA BRODY	99
FRIEDMAN	82		

WHITE, LYNN H.	7, 27, 71, 108
WHITLOCK, KRISTIN	24
WICA, CATHY	79
WIDVEY, SENECA	90, 91
WIGGINS, BRADFORD	41
WILLIAMS, ALYSON	39
WILLIAMS, PAULA	44
WILLIAMS, ROBERT	44
WILLIAMSON, IAN	75
WINEBERG, JENNIFER	75
WITHERBY, AMBER	94
WITHROW, SUSANNE	98, 102
WITMER, SARAH	114
WOLF, MITCH	108
WOLFF, KARL	108
WOOD, DESIRAE	30
WOODLAND, SEAN	91
WOODY, WILLIAM DOUGLAS	6, 7, 19, 23, 27, 38, 85, 99, 113
WORTHEN, DANIEL L.	19
WOZNIAK, WILLIAM	25, 88, 101, 120
YACOVETTA, SARA	34, 91
YAMAKAWA, ITSUKI	62, 69, 122
YAVORSKI, JULIANNE	72
YELLS, DAVID	34
YOUNG, BRANDON	39
YOUNG, DESIREE A.	60
YOUNG, JASON	32, 66
ZARING, LOGAN	76
ZIMMERMAN, DANIEL	49
ZLOKOVICH, MARTHA	66, 86
ZOBELL, CASEY J.	74
ZWETZIG, SARAH	114

**NOTES**

**NOTES**

# Map of the Renaissance Banquet Level

