

# Greetings from the President

1

It is my distinct honor to welcome you to the 77th annual convention of the Rocky Mountain Psychological Association. A tremendous array of speakers has been assembled for your intellectual and personal enjoyment. The invited speakers for this year's meeting bring a quality and breadth of research that will provide an impressive range of topics from which to choose. Speakers for this year's meeting include the RMPA Distinguished Lecture by C. Daniel Batson, the APA Distinguished Scientist Lecture by David A. Kenny, and the President's Symposium by Sara Honn Qualls, Hasker P. Davis, and Thomas A. Pyszczynski. Psi Chi continues their support of RMPA by sponsoring Steven Hayes. Mark Laudenslager will give the Gardner Memorial Lecture in memory of Trixie Gardner. The Ellis-Battig Symposium will be an outstanding event as organized by Alice Healy with Mark McDaniel and Lyle Bourne. RMPA is pleased to present the William James APS Lecture by Carolyn Rovee-Collier. Elizabeth Glisky will give the Past President's Lecture, while David Strayer will give the Battig Memorial Lecture. Other notable RMPA Invited Addresses include Rick Miller, David B. Daniel, Angela Bryan, Jim Hill, Peter Kranz, Bill Wozniak, and Mitch Handelsman. In addition to the above list of Invited Speakers, RMPA has over 300 papers and posters scheduled. You will not want to miss any of the powerful presentations at this convention.



RMPA has a long history of support for the teaching of psychology. Three years ago RMPA started the Teaching Preconference. Bill McKeachie will give the Preconference Opening Address. David Myers will give this year's Council of Teachers of Undergraduate Psychology (CTUP) lecture. RMPA is particularly excited about an early morning social sponsored by APA for those interested in the teaching of psychology at the community college level.

I want to express appreciation for the efforts of the Executive Committee in making this a successful meeting. Charles Honts has been terrific in his role as Past President. Judith Sugar has served as President Elect and demonstrated her leadership ability throughout the year. Bob Rycek has stepped in as Secretary and provided two great newsletters and a truly fine webpage. Diane Martichuski is one of the best Program Managers around. Rick Miller is invaluable as Historian. Cheryl Sanders makes sure we stay fiscally responsible as Treasurer. A special thanks also goes to Ken Nikels and Mitch Handelsman who graciously accepted the role of Convention Managers. RMPA appreciates the efforts of Susan Becker and Roxanne Sullivan who organized many of the diversity presentations. Melanie Domenech Rodriquez along with Psi Chi add so much to RMPA. The hours of labor and the financial support by Psi Chi have not gone unnoticed. RMPA would also like to thank APA and APS for their continued financial support and for the incredible speakers. Please enjoy RMPA 2007 with its program assortment and depth.

Welcome to Denver,

Sincerely,  
Nancy J. Karlin, President  
Rocky Mountain Psychological Association

## **Greetings From the University of Colorado at Denver and Health Sciences Center**

Welcome to Denver for the 2007 meeting of the RMPA. From the snow-capped peaks of the Rocky Mountains to the vast high plains, Colorado is among the most beautiful places on earth. Denver is a thriving cultural, entertainment, and sporting center, and home to several excellent institutions of higher education.



The University of Colorado at Denver aspires to be one of the top research-oriented urban campuses in America. Since the RMPA met in Denver in 2003, our campus has been consolidated with the University of Colorado Health Sciences Center, and we are now known as the University of Colorado at Denver and Health Sciences Center. The Psychology Department has 12 faculty, approximately 500 undergraduate majors in our B.A. and B.S. Degree Programs, a highly regarded Master's Degree Program in Clinical Psychology and, pending final Regents' approval, a new Ph.D. Program in Clinical Health Psychology. Our faculty pride themselves on their commitment to excellence in both teaching and research. We are also proud to count among our ranks former RMPA President and CU President's Teaching Scholar, Professor Mitchell Handelsman.

We hope your stay in Denver is both educational and enjoyable. When you see a convention attendee with a CU-Denver affiliation, please feel free to stop and chat. We're excited to once again welcome RMPA to Denver.

Peter S. Kaplan  
Professor and Chair  
Department of Psychology

3

**AND Greetings From  
the Department of Psychology  
Metropolitan State College of Denver**



On behalf of the Metropolitan State College of Denver Psychology Department, I wish to welcome you to Denver and to the 2007 RMPA Annual Convention. As an urban, undergraduate college with the primary mission of teaching, Metro State is particularly excited to have the convention in a location that is so accessible to students and faculty from the entire front range. Metro State is one of three colleges sharing the Auraria campus in the heart of downtown Denver just across Cherry Creek from the Denver Center for the Performing Arts complex. I hope that you will have the opportunity to

visit the campus and our department while you are here for the convention. The Psychology Department is located in the Plaza Building at the center of campus near the flagpole. Other campus sites you may wish to visit include our campus art gallery in the former Emmanuel Church (Denver's first synagogue), the Golda Meir house (a Denver residence where Golda Meir lived in her youth), the Auraria library, the Ninth Street Park national historic landmark, and the student union and campus bookstore in the historic Tivoli Brewery.

Psychology is the third most popular major at Metro State, currently over 800 strong, and we fill some 4000 seats per semester, including 1500 students in Introductory Psychology alone. Our 24 full-time faculty and approximately 35 adjunct faculty allow small class sizes and the opportunity for undergraduates to work directly with faculty. Since we require all of our psychology majors to complete independent research projects, we enthusiastically support the RMPA's mission of providing stimulating presentations, graduate school information, personal contacts, and scholarly opportunities for students. We look forward to continued and increased involvement with RMPA in the future.

Sincerely yours,  
Ellen P. Susman, Ph.D.  
Professor and Chair  
Department of Psychology

## PROGRAM

### *Seventy-seventh Annual RMPA Convention*

# Table of Contents

Conference Layout	Inside Front Cover
Greetings from the RMPA President	1
Greetings from our sponsoring Universities	2-3
General Information	5
2007 Program Review Committee	7
RMPA Executive Committee	8
Summary of Events	9
Pre-Convention Activities	14
Portenier/Wertheimer Pre-conference Activities	15
Descriptions of Main Conference Presentations & Activities	
Thursday	26
Friday	31
Saturday	89
2007 RMPA Student Paper Award Finalists	137
2007 PSI CHI Award Recipients	139
RMPA Early Career Awards	71
Distinguished Service Award Recipients	140

# GENERAL INFORMATION

## Location:

All regular meetings will be held at the Sheraton Denver Tech Center Hotel (303-799-6200). Most meetings are in the hotel Conference Center on the main floor. Please consult the hotel wall reader boards in the lobby next to the elevators and in the entrance to the Conference Center hallway for each day's events with rooms and times.

## Information and Messages:

A bulletin board for messages and announcements is located in the Conference Center main hallway, 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 lobby of the hotel and in the two business centers. High-speed internet access is available in the guest rooms for \$9.95 per day.

## Handicapped Access:

All conference rooms at the Sheraton Denver Tech Center are handicapped accessible. The restaurant, bar, and lavatories are also accessible. Persons needing special accommodations should stop at the registration tables.

## Exhibitors:

The exhibits are all located in the Event Center 3/4, 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:

Except for a limited number of guest rooms on the second floor, there is no smoking in the Sheraton Denver Tech Center.

## Registration:

On-site registration will begin at 10:00 am on Thursday. 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:

Thursday:	10:00 am - 9:00 pm
Friday:	7:30 am - 4:30 pm
Saturday:	7:30 am - 11:30 am

## Getting Around in the Denver Area:

There are free shuttles from the hotel to the Park Meadows Mall and other places within five miles of the hotel. The light rail to downtown is a mile away. Otherwise, your best bet is a taxi or rental car.

On-site registration fees are:

Lifetime members: \$70.00

Members:

Dues paid: \$70.00

Dues not paid: \$100.00

Non-members: \$120.00

Students/Affiliates\* (members):

Dues paid: \$50.00 (student ID required on-site)

Dues not paid: \$65.00 (student ID required on-site)

Students/Affiliates

(non-members): \$75.00 (student ID required on-site)

Dependents/sig. others\*\* \$40.00

\*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 who include 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

### 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.
  - 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 Aunt Ruth said 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 2007-2008**

### **President:**

NANCY KARLIN  
Department of Psychology  
McKee 14  
University of Northern Colorado  
Greeley, CO 80639  
Nancy.karlin@unco.edu

### **President-Elect:**

JUDITH SUGAR  
School of Public Health/274  
University of Nevada at Reno  
Reno, NV 89557-0036  
jsugar@unr.edu

### **Past-President:**

CHARLES HONTS  
Department of Psychology  
1910 University Dr.  
Boise State University  
Boise, ID 86725  
chonts@boisestate.edu

### **Secretary:**

ROBERT RYCEK  
Department of Psychology  
University of Nebraska at Kearney  
Kearney, NE 68849-5140  
rycekr@unk.edu

### **Treasurer:**

CHERYL E. SANDERS  
Metro State College of Denver  
Department of Psychology, Box 54  
Denver, CO 80217-3362  
sandersc@mscd.edu

### **Diversity Council Chair:**

SUSAN BECKER  
Department of Social & Behavioral  
Sciences  
Mesa State College  
1100 North Ave  
Grand Junction CO 81501-3122  
sbecker@mesastate.edu

### **Program Chair:**

DIANE MARTICHUSKI  
Department of Psychology  
345 UCB  
University of Colorado at Boulder  
Boulder, CO 80309-0345  
diane.martichuski@colorado.edu

### **Archivist/Historian:**

RICK MILLER  
Department of Psychology  
University of Nebraska at Kearney  
Kearney, NE 68849  
millerrl@unk.edu

### **Convention Managers:**

KEN NIKELS  
Associate Vice Chancellor for  
Academic Affairs  
2110 Founders Hall  
University of Nebraska at Kearney  
Kearney, NE 68849  
nikels@unk.edu

and  
MITCH HANDELSMANN  
Department of Psychology  
Campus Box 173  
University of Colorado at Denver  
PO Box 173364

## THE PROGRAM COMMITTEE

*Each of the 312 contributed abstracts was read by the Program Chair and one of the 38 distinguished psychologists, who served as reviewers. We would like to express our appreciation to them for their assistance in putting together this outstanding program.*

Eric Amsel	Weber State University
Steve Barney	Southern Utah University
Mary Jo Carnot	Chadron State College
Jeff Elison	Southern Utah University
David Gonzalez	University of Northern Colorado
Gary Guyot	Regis University
Robert Horn	Northern Arizona University
Lori James	University of Colorado at CO Springs
Vonda Jump	Utah State University
Theresa Kay	Weber State University
Mark Krank	University of Montana - Western
Tera Letzring	Idaho State University
Laura Manuel	Metropolitan State College of Denver
Diane Martichuski	University of Colorado at Boulder
Rona McCall	Regis University
Rick Miller	University of Nebraska at Kearney
Gina Mollet	Adams State College
Janett Naylor	Fort Hays State University
Brian Oppy	Cal State University - Chico
Brian Parry	San Juan College
Carol Patrick	Fort Hays State University
Steven Pulos	University of Northern Colorado
William Raymond	University of Colorado at Boulder
Aaron Richmond	Metropolitan State College of Denver
Ron Salazar	San Juan College
Cheryl Sanders	Metropolitan State College of Denver
Robert Schatz	Metropolitan State College of Denver
Matthew Schmolesky	Weber State University
Santiago Silva	University of Texas - Pan American
N.Clayton Silver	University of Nevada at Las Vegas
Randy Smith	Metropolitan State College of Denver
Basilias Softas-Nall	University of Northern Colorado
Sumner Sydeman	Northern Arizona University
Catherine Weir	Colorado College
Lynn White	Southern Utah University
Ian Williamson	New Mexico Highlands University
William Doug Woody	University of Northern Colorado
David Yells	Utah Valley State College



## SUMMARY OF EVENTS

### Invited Addresses

Bill McKeachie.....Thursday, 12:00 pm  
*Motivating Students to Learn*

David Daniel.....Thursday, 5:00 pm  
*Using Powerpoint to Ruin A Perfectly Good Lecture*

Betty Glisky.....Friday, 9:10 am  
*Memory and Aging*

James Hill.....Friday, 9:10 am  
*Strategies to Address the Obesity Epidemic*

David Strayer.....Friday, 10:20 am  
*Multitasking on the Information Super Highway: Why Using a Cell Phone can Make You Drive Like You're Drunk*

David A. Kenny.....Friday, 1:00 pm  
*What You Did Not Learn in Graduate Stats Class*

Peter Kranz.....Friday, 2:10 pm  
*A Class in Race Relations that Made a Difference*

David Myers.....Friday, 3:20 pm  
*Four Decades Professing Psychology: Lessons I Have Learned*

Steven Hayes.....Saturday, 9:10 am  
*Acceptance and Commitment Therapy: Model, Data, and Implications*

Carolyn Rovee-Collier.....Saturday, 9:10 am  
*The Hidden Life of Infants*

Angela Bryan.....Saturday, 10:20 am  
*Sex, Drugs, And Detention: Reducing Alcohol- And Marijuana-Related HIV/STD Sexual Risk Behavior Among High Risk Adolescents*

C. Daniel Batson.....Saturday, 1:00 pm  
*Moral Motivation: Integrity or Hypocrisy?*

Nancy Karlin.....Saturday, 2:10 pm  
*President's Symposium: Responding to the Darker Side of Aging: Cognitive Decline and Death*

Mark L. Laudenslager.....Saturday, 3:20 pm  
*Spitting in the Wind: From Gorillas to Caregivers*

Thomas Pyszczynski.....Saturday, 4:30 pm  
*Back to Basics in Terror Management Theory and Research: The Interplay Among Diverse Anxiety-Buffering Resources*

## **RMPA**

Executive Committee Meeting.....Thursday, 9:00 am  
 Preconference Invited Address: Bill McKeachie....Thurs, 12:00 pm  
 Portenier/Wertheimer Teaching Preconference.....Thurs, 1-5 pm  
 Opening Event Reception.....Thursday, 5:00 pm  
 RMPA Kickoff Speaker: David Daniel.....Thursday, 6:00 pm  
 Past President's Address by Betty Glisky.....Friday, 9:10 am  
 RMPA Invited Address: James Hill..... Friday, 9:10 am  
 William Battig Memorial Lecture: David Strayer..... Friday, 10:20 am  
 Ellis-Battig Memory Symposium.....Friday, 2:10 pm  
 RMPA Diversity Committee Speaker: Peter Kranz..Friday, 2:10 pm  
 RMPA Conversation Hour: Peter Kranz.....Friday, 3:20 pm  
 RMPA Invited Panel: Teaching Gurus.....Friday, 4:30 pm  
 RMPA Distinguished Lecture: Steven Hayes.....Saturday, 9:10 am  
 RMPA Invited Address: Angela Bryan.....Saturday, 10:20 am  
 RMPA Distinguished Lecture: C. Daniel Batson.....Saturday, 1:00 pm  
 President's Symposium.....Saturday, 2:10 pm  
 Gardner Memorial Lecture: Mark Laudenslager.....Saturday, 3:20 pm  
 RMPA Invited Address: Thomas Pyszczynski.....Saturday, 4:30 pm  
 Business Meeting.....Saturday, 5:30 pm  
 Presidential Reception and Social Hour.....Saturday, 5:30 pm  
 RMPA One Last Presentation:  
 Handelsman, Wozniak, Bell, Bell.....Saturday, 6:30 pm  
 Executive Committee Meeting.....Sunday, 9:00 am

## **RMPA Diversity Committee Events**

Teaching Individuals With Disabilities.....Thursday, 4:00 pm  
 Social – Diversity Poster Session.....Friday, 9:10 am  
 Roundtable: GLBT Supportive Classrooms.....Friday, 10:20 am  
 RMPA Diversity Committee Speaker: Peter Kranz...Friday, 2:10 pm  
 RMPA Conversation Hour: Peter Kranz.....Friday, 3:20 pm

Diversity Council Lunch Meeting.....	Saturday, 11:30 am
Symposium: Minority Students Speak Out.....	Saturday, 1:00 pm
Nongender Diversity Oral Paper Session.....	Saturday, 2:10 pm
Gender Oral Paper Session.....	Saturday, 3:20 pm

## Meetings

Executive Committee Meeting.....	Thursday, 9:00 am
Psi Chi Advisors Meeting.....	Friday, 11:30 am
STP/CTUP/CUPP Business Meeting.....	Friday, 11:30 am
Diversity Council Lunch Meeting.....	Saturday, 11:30 am
RMPA Business Meeting (for all members).....	Saturday, 5:30 pm
RMPA Executive Committee Meeting.....	Sunday, 9:00 am

## TEACHING EVENTS

### Preconference/CTUP/STP (Division 2)

Preconference Keynote Address: Bill McKeachie.....	Thursday, 12:00 pm
Capstone Course in Psychology.....	Thursday, 1:00 pm
Oral Teaching Papers 1.....	Thursday, 1:00 pm
Portraits in Human Sexuality.....	Thursday, 1:00 pm
Teaching Take-Out.....	Thursday, 2:00 pm
Oral Teaching Papers 2.....	Thursday, 2:00 pm
Teaching Across the Lifespan.....	Thursday, 2:00 pm
Academic Integrity.....	Thursday, 3:00 pm
Bridging Research and Teaching.....	Thursday, 3:00 pm
Promoting Undergraduate Research.....	Thursday, 4:00 pm
Teaching Individuals With Disabilities.....	Thursday, 4:00 pm
Teaching Posters.....	Thursday, 5:00 pm
Roundtable: GLBT Supportive Classrooms.....	Friday, 10:20 am
STP/CTUP/CUPP Business Luncheon.....	Friday, 11:30 am
Symposium: Educating Homeless Adolescents.....	Friday, 1:00 pm
CTUP Invited Lecture: David G. Myers.....	Friday, 3:20 pm
RMPA Invited Panel: Teaching Gurus.....	Friday, 4:30 pm

## Symposia

Capstone Course in Psychology.....	Thursday, 1:00 pm
Portraits in Human Sexuality.....	Thursday, 1:00 pm
Academic Integrity.....	Thursday, 3:00 pm
Promoting Undergraduate Research.....	Thursday, 4:00 pm
Teaching Individuals With Disabilities.....	Thursday, 4:00 pm
APA presents "How to Publish Your Journal Article".....	Friday, 10:20 am

Generativity Theory and Moral Emotions.....	Friday, 1:00 pm
Educating Homeless Adolescents.....	Friday, 1:00 pm
Ellis-Battig Memory Symposium.....	Friday, 2;10 pm
Environmental Symposium.....	Saturday, 8:30 am
APA: Debt, Salary, and Career Data in Psychology.....	Saturday, 10:20 am
RMPA Job Symposium: Geropsychology....	Saturday, 10:20 am
Symposium: Minority Students Speak Out.....	Saturday, 1:00 pm
President's Symposium.....	Saturday, 2:10 pm
State-Trait Anger Symposium.....	Saturday, 3:20 pm

## **Panel Discussions**

Teaching Across the Lifespan.....	Thursday, 2:00 pm
Bridging Research and Teaching.....	Thursday, 3:00 pm
Teaching about Sexual Orientation.....	Friday, 10:20 am
Making the Most of Your Classes.....	Friday, 2:10 pm

## **Workshops**

The Challenges of Being a Counseling Center Director.....	Friday, 10:20 am
APA Academic Career Workshop.....	Thursday, 3:00 pm

## **PSI CHI**

Strengthen Your Psi Chi Chapter (Student Edition).....	Friday, 9:10 am
Strengthen Your Psi Chi Chapter (Faculty Edition)....	Friday, 10:20 am
Psi Chi Advisors Luncheon.....	Friday, 11:30 am
Mythbusters: The Academic Edition.....	Friday, 1:00 pm
Roundtable: Making the Most of Your Classes.....	Friday, 2:10 pm
Psi Chi Poster Session .....	Friday, 4:30 pm
Psi Chi Awards Presentation and Social Hour.....	Friday, 6:00 pm
Psi Chi Oral Paper Session.....	Saturday, 8:30 am
Psi Chi Distinguished Lecture: Hayes.....	Saturday, 9:10 am
Conversation Hour with Dr. Hayes.....	Saturday, 10:20 am
How to Tackle the IRB.....	Saturday, 1:00 pm
Effective Chapter Leadership.....	Saturday, 2:10 pm
Riding the Research Rocket.....	Saturday, 3:20 pm

## Conversation Hours

Diversity Council: Peter Kranz.....Friday, 3:20 pm  
 Psi Chi: Steven Hayes.....Saturday, 10:20 am

## Oral Paper Sessions

### **Thursday, April 12**

Oral Teaching Papers 1.....1:00 pm  
 Oral Teaching Papers 2..... 2:00 pm

### **Friday, April 13**

Religion/Spirituality.....8:00 am  
 Personality.....8:00 am  
 Clinical.....8:00 am  
 Education/School.....9:10 am  
 Substance Use/ Abuse.....9:10 am  
 Personality/Measurement.....10:20 am  
 RMPA Award Finalists 1.....1:00 pm  
 Social – Technology/Law.....1:00 pm  
 RMPA Award Finalists 2.....2:10 pm  
 Neuropsychology.....3:20 pm  
 Law.....4:30 pm  
 Personality Assessment.....4:30 pm

### **Saturday, April 14**

Social.....8:00 am  
 Community 1.....8:15 am  
 Psi Chi.....8:30 am  
 Community 2.....9:10 am  
 Developmental.....9:10 am  
 Physiological.....10:20 am  
 Perception/Performance.....1:00 pm  
 Cognitive.....1:00 pm  
 Nongender Diversity.....2:10 pm  
 Social/Developmental.....3:20 pm  
 Memory .....3:20 pm  
 Gender .....3:20 pm  
 Animal/Comparative.....4:30 pm

## Poster Sessions

### Thursday, April 12

Teaching .....5:00 pm

### Friday, April 13

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

Social/ Diversity.....9:10 am

Learning/Memory/Cognition.....1:00 pm

Animal/Measurement/Military.....3:20 pm

Psi Chi/ Physiological/Neuropsychology/ Perception.....4:30 pm

### Saturday, April 14

Developmental.....8:00 am

Philosophy/Education/Sports/Personality.....10:20 am

Clinical/ Substance Abuse/ Psychopathology.....1:00 pm

Community/ Health.....2:10 pm

## Social Events

RMPA Opening Event Reception.....Thursday, 5:00 pm

PT@CC/Psi Beta Breakfast Meeting.....Friday, 9:10 am

PSI CHI Advisors Luncheon.....Friday, 11:30 am

STP/CTUP/CUPP Business Luncheon.....Friday, 11:30 am

Psi Chi Awards Presentation and Social Hour.....Friday, 6:00 pm

Worth Publishers Social Hour.....Friday, 6:00 pm



**Rocky Mountain Psychological Association**

# PRE-CONVENTION ACTIVITIES

## RMPA

### Executive Committee Meeting



*Thursday, 9-12 am      Private Dining Room*

**NANCY KARLIN**, RMPA President,  
University of Northern Colorado, Chair

## REGISTRATION



THURSDAY, 10:00 am - 9:00 pm

Registration is located in the hallway outside of the Event Centers

Additional Registration Times:

Friday: 7:30 am - 4:30 pm

Saturday: 7:30 am - 11:30 am

# Portenier-Wertheimer Teaching Preconference

RMPA would like to thank the  
APA Education Directorate, STP, and CTUP  
for their sponsorship of this preconference.



**Lillian Portenier**



**Michael Wertheimer**

## **Purpose of the Conference:**

The conference is designed for faculty who teach at four-year universities and colleges, community colleges, and high schools. Specifically, the conference 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 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.

**Portenier-Wertheimer  
Teaching Pre-Conference  
Keynote Address**

**Wilbert J. McKeachie**

University of Michigan

*Motivating Students to Learn*



**Thursday 12:00 – 12:50 pm**

**Event Center 1**

Moderator:

Richard L. Miller, University of Nebraska at Kearney

Bill McKeachie, the author of *Teaching Tips* is Professor Emeritus at the University of Michigan where, during his close to 60-year tenure he has been involved in research on teaching and training college teachers. He draws upon all of that experience in his talk today on motivating students to learn.

## **The Capstone Course in Psychology**

*Thursday 1:00 - 1:50 pm*

*Event Center 3*

Moderator: Karen Ford, Mesa State College

*Using Service Learning in a Senior Capstone Course*

**Linda Annoshian & Mary Pritchard**, Boise State University

*Using Multi-media Projects to Assess Communication Skills*

**Roxanne Sullivan**, Bellevue University

*Cycling Through Options for a Capstone Course in Psychology*

**Catherine Weir**, Colorado College

*The Capstone Course: Economic and Substantive Issues*

**Wayne Viney**, Colorado State University

**Harry Tiemann**, Mesa State College

## **Portraits in Human Sexuality**

*Thursday, 1:00 – 1:50 pm*

*Conference Room 8*

**LAYTON SETH CURL AND MARY ANN WATSON**,

Metropolitan State College of Denver

This workshop explores the 2006 Telly Award winning film series, "Portraits in Human Sexuality." These educational videos use interviews to illustrate important and controversial issues in human sexuality from both a clinical and social perspective. Video segments are shown followed by discussion and teaching strategies. (Includes mature content and imagery).

## Teaching Psychology I

Thursday 1:00 - 1:50 pm

Event Center 4

1:00

### **Assessing the Effectiveness of Learner Centered Education in Introductory Psychology**

LESLIE CRAMBLET<sup>1</sup>, PAMELA POWELL<sup>2</sup>, LAURA SUJO DE MONTES<sup>2</sup>, CHRIS LANTERMAN<sup>2</sup>, AND JOHN SCHAFFER<sup>2</sup>; <sup>1</sup>Adams State College, <sup>2</sup>Northern Arizona University

This study compared outcomes between students enrolled in an introductory class enhanced with Learner Centered Education (LCE) techniques compared to traditional, lecture-based courses. Students completed a pre-post test, final grades were collected, and students responded to an open-ended survey. Results indicated few differences between traditionally taught and LCE enhanced courses.

1:15

### **Using a Fallout Shelter Exercise to Explore the Effect of Service Learning**

STEVE BARNEY AND BRITTON MACE, Southern Utah University  
Forty five general psychology students completed a customized version of the Fallout Shelter Exercise (Raths, Harmin, and Simon, 1966) before and after doing the service learning project designed to help them recognize, explore, and challenge biases, stereotypes, and prejudices. Quantitative and qualitative measures were used to assess the effect.

1:30

### **Psychology Graduate Students' Perception of the Ideal Professor**

STEVEN PULOS<sup>1</sup>, LENNON RANDY<sup>1</sup>, AND DENZINE GYPSY<sup>2</sup>;  
<sup>1</sup>University of Northern Colorado, <sup>2</sup>Northern Arizona University  
Graduate psychology students' perceptions of the ideal professor were investigated with the California Q-sort (Block, 1976). Q-analysis found a high degree of similarity among the students' grades and self-reported interest in the instructional techniques ratings. The ideal professor was high in intellectual competence and ego-resilience, while being low in narcissism, interpersonal exploitation and poor impulse control.

## Teaching Psychology II

*Thursday 2:00 - 2:50 pm*

*Event Center 4*

2:00

### **Undergraduates' Perceptions of Faculty-Student Multiple Relationships**

SACHIKO OGATA, TRAVIS RASMUSSEN, AND THERESA KAY,  
Weber State University

The study examines how college students perceive dual relationships between students and faculty members. Approximately 300 hundred students completed surveys assessing their attitudes about dual relationships between students and faculty members. The results and implications will be discussed.

2:15

### **Use of Academic Skills Inventory for General Psychology Students and Graduates**

MARY JO CARNOT, ERICA BELLAR, AND JEFF WAHL, Chadron State College

The Academic Skills Inventory (Kruger & Zechmeister, 2001) was used to compare a sample of general psychology students (n=80) with psychology graduates (n=20). There were significant or marginal differences in ten major skill areas. May graduates were more consistently better than the pretest group, and December graduates showed some deficits.

2:30

### **Student Feedback for Faculty**

JENNIFER CASPARI, CAMILLE GONZALEZ, AMBER OLSON,  
CHARITY WALKER, AND CYNTHIA MCRAE, University of Denver

As part of the effort to revise teaching evaluations, students were invited to write down and anonymously submit feedback about bothersome or frustrating teaching behaviors they have observed in graduate school. Responses were to be general and not specific to particular courses or professors so that the entire faculty could benefit from the results.

**Teaching Students across the Lifespan:  
From the 'Millennial Generation' to the 'Greatest  
Generation'**

*Thursday 2:00 - 2:50 pm                      Conference Room 8*

JUDITH A. SUGAR<sup>1</sup>, RON WELCH<sup>2</sup>, ANN WILSON<sup>3</sup>, ROXANNE L. SULLIVAN<sup>4</sup>, AND STEFANIE BELL<sup>5</sup>; <sup>1</sup>University of Nevada, Reno, <sup>2</sup>Colorado Christian University, <sup>3</sup>Front Range Community College, <sup>4</sup>Bellevue University, <sup>5</sup>Pikes Peak Community College

What are the realities and myths about the impact of students' generation and age on their educational experiences? We will examine characteristics attributed to students' generation and age, and discuss the challenges and rewards of teaching students across the lifespan from the greatest generation to the millennial generation.

**Teaching Take-Out**

*Thursday 2:00 - 3:30 pm                      Event Center 3*

Moderator: W. DOUGLAS WOODY, Univ. of Northern Colorado

Participants:

Deborah D. Stewart	- Chadron State College
Ann Wilson	- Front Range Community College
Cheryl Sanders	- Metro State College of Denver
Brad Elison	- Carroll College
Peter Kranz	- University of Texas Pan American
Diane Martichuski	- University of Colorado- Boulder
Jacob Benfield	- Colorado State University
Steve Barney	- Southern Utah University
William D. Woody	- Univ. of Northern Colorado

This session will include a variety of short presentations of teaching demonstrations so that attendees can return to their own classrooms with many innovative teaching demonstrations.

## **Academic Integrity: Dual Relationships**

*Thursday 3:00 - 3:50 pm*

*Event Center 4*

Moderator:

ROBERT F. RYCEK, University of Nebraska at Kearney

### **Overview of Ethical Principles Related to Dual Relationships**

RICHARD L. MILLER, University of Nebraska at Kearney

### **Dual Relationships between Faculty Members and Students: The Perceptions and the Ethical Standards**

SACHIKO OGATA, TRAVIS RASMUSSEN, AND THERESA KAY,  
Weber State University

### **Discussion of Dual Relationships Issues**

Discusants: ROBERT F. RYCEK<sup>1</sup>, RICHARD L. MILLER<sup>1</sup>, MITCH  
HANDELSMAN<sup>2</sup>, THERESA KAY<sup>3</sup>: <sup>1</sup>University of Nebraska at Kear-  
ney, <sup>2</sup>University of Colorado at Denver, <sup>3</sup>Weber State University

## **The Bridge Between Basic Research And The Classroom**

*Thursday 2:00 - 2:50 pm*

*Conference Room 8*

ERIC AMSEL<sup>1</sup>, STEVE BARNEY<sup>1</sup>, VANESSA EWING<sup>2</sup>, AND WIL-  
LIAM WOZNIAK<sup>3</sup>; <sup>1</sup>Southern Utah University, <sup>2</sup>Metropolitan State  
College of Denver, <sup>3</sup>University of Nebraska at Kearney

The Institute of Education Sciences in the U.S. Department of Education has a modest program entitled Cognition and Student Learning (CASL.) The purpose of the program is to translate basic cognitive science research into applications for the classroom, including the use of technology. Topics for this symposium will include the use of repeated testing to elicit hypermnesia, the use of self-referencing to enhance learning, conceptual and inferential skills unique to psychology study training, and ways to increase the use of cognitive research in our classrooms.

## **APA Academic Career Workshop**

### **Entering the Academic Marketplace: Advice from Experts**

Hosted by the Science Directorate of the American  
Psychological Association

In conjunction with the Annual Meeting of  
The Rocky Mountain Psychological Association

*Thursday, 3:00 pm – 5:00 pm                      Conference Room 7*

What is the “right” academic job, and what does it take to land it? This workshop is designed for aspiring academics who are currently graduate students and postdocs. Five questions and others regarding the professoriate will be discussed. Expert panelists will share their insights, with plenty of opportunity for discussion.

### **Five Burning Questions of the Professoriate**

1. What are the major rewards and challenges of an academic career? Which are unique to your institution or type of institution?
2. Did graduate school prepare you for the job you are doing now?
3. If you could go back and do one thing differently along your career path, what would it be?
4. What are the biggest “turn ons” and “turn offs” about job candidates who are applying to your department?
5. What do you think the major changes in academic life will be in the coming years?



## **Roundtable Discussion**

### **Models for Promoting Undergraduate Research**

*Thursday 4:00 - 4:50 pm*

*Event Center 3*

Moderator: RICHARD L. MILLER, University of Nebraska at Kearney

Discussant:

KEN NIKELS, University of Nebraska at Kearney  
Creating an Institutional Program of Undergraduate Student Research

## **Classroom Teaching Techniques for Individuals with Disabilities**

*Thursday 4:00 - 4:50 pm*

*Event Center 4*

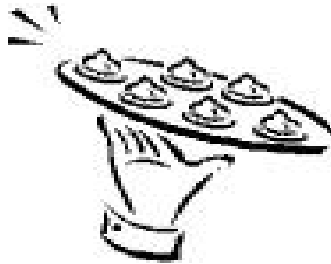
Moderator: WILLIAM DOUGLAS WOODY, University of Northern Colorado

Participants: WILLIAM DOUGLAS WOODY<sup>1</sup>, VANESSA EWING<sup>2</sup>, LAURA MANUEL<sup>2</sup>, AND CHRISTOPHER J. MILLER<sup>1</sup>; <sup>1</sup>University of Northern Colorado, <sup>2</sup>Metropolitan State College of Denver

This roundtable session will discuss the teaching of individuals with disabilities with particular focus on teaching techniques and classroom space adaptation for individuals with a range of disabilities and the level of preparedness that individuals with disabilities bring from high schools to universities.

# **KICKOFF THURSDAY MAIN PROGRAM ACTIVITIES**

## **RMPA 77<sup>th</sup> 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 at the same time, so feel free to wander around and check them out.

***Thursday 5 - 6 pm***

***Event Center 1 & 2***

NANCY KARLIN, RMPA President, Host

## **RMPA Kickoff Speaker**

David B. Daniel  
University of Northern Colorado

*Using PowerPoint  
To Ruin A  
Perfectly  
Good Lecture*



*Thursday 6:00 -7:00 pm*

*Event Center 1-2*

Moderator: Nancy Karlin, University of Northern Colorado

PowerPoint-type presentations have become both a blessing and a curse in the modern college classroom. Based upon observations of a number of college instructors who have made the transition to PowerPoint and a growing consensus in the literature, this presentation will review some of the common mistakes, misconceptions, and successes made by instructors as they make this transition. In particular, I will distinguish between the uses of PowerPoint as a teaching tool as opposed to a presentation tool. The primary focus of this talk will be on the appropriate use of specific technology to complement your personal teaching style and course goals.

## 28 **FRIDAY PROGRAM ACTIVITIES**

### **Religion/Spirituality**

Oral Paper Session, Friday, 8:00 – 9:00 am, Conference Room 10

Moderator: JANETT NAYLOR, Fort Hays State University

8:00

A New Model for Spiritual Maturation in Christian University Students  
RONALD D. WELCH AND KIMBERLEE MELLBERG, Colorado Christian University

The authors present a new model of spiritual maturation in Christian university students based on their previous research. The model combines experiential, authority-based elements with cognitive, faith-based elements. Both questing and internalization processes are utilized in this model to form an effective foundation for spiritual maturation programs at Christian universities.

8:15

The Interaction of Hope, Relationship Satisfaction, and Religious Behaviors in Christian College Students

RONALD D. WELCH AND MELISSA HOUSER, Colorado Christian University

268 students at a Christian university were surveyed to assess the relationships between hope, relationship satisfaction, and religious behaviors. Multiple regression and correlation analyses indicate significant, positive relationships for hope with both relationship satisfaction and religious behaviors, while confirming the importance of hope and relationship satisfaction in attachment models.

8:30

Documenting the Positive and Negative Stereotypes of Evangelical Christians

NICOLE WEBBER, KELLI PAULL, SHANNON BRADY, AND JESSI L. SMITH, Montana State University

This study examined positive and negative stereotypes of Evangelical Christians (EC). Survey results indicate science majors as well as those who have been in school longer were particularly likely to endorse the negative stereotypes of EC. Implications are discussed.

8:45

Spiritual Maturity in Christian University Students

KRISTINE IVES AND RONALD D. WELCH, Colorado Christian University

Spiritual maturation in Christian university students was assessed in 114 first-year orientation and senior seminar students. Spiritual maturation was significantly, positively related to year-in-school for some measures, but not others. Significant, positive relationships between measures were found. Surprisingly, when spiritual maturity increased, disappointment with God increased.

# Personality

Oral Paper Session, Friday, 8:00 – 9:00 am, Conference Room 9

Moderator: STEVE BARNEY, Southern Utah University

8:00

The Effect of Mortality Salience and Need for Power on Attitudes towards Animals

JUDITH OLESON, VANESSA LASKOWSKI, AND BILL HENRY, Metropolitan State College of Denver

Recent research examines the relationship between anxiety produced from awareness of mortality and adherence to cultural values. This study extends previous research by investigating the relationship between thoughts of mortality and attitudes toward animals. We hypothesized that participants asked to focus on their mortality will be more tolerant of the callous treatment of animals.

8:15

An MDS Analysis of Guilt, Shame, and Empathy

JEFF ELISON<sup>1</sup> AND ELIZABETH DANSIE<sup>2</sup>; <sup>1</sup>Southern Utah University, <sup>2</sup>Utah State University

Two samples of undergraduates (n=99, 141) completed the Test of Self-conscious Affect and other measures of shame, guilt, and empathy. MDS analyses indicated hedonic tone and self vs. other-focus comprised underlying dimensions. Consistent with recent criticisms, TOSCA guilt appeared to be more positive and other-focused than other measures of guilt.

8:30

Perfectionism, Coping Styles, and Risky Sexual Behaviors among Emerging Adults

SHAELENE ASHBY, Utah State University

The relationships among perfectionism, coping styles, and risky sexual behaviors were assessed in a sample of 200 college students. Analyses tested the moderator hypothesis that individuals with high perfectionism and high maladaptive coping strategies were at greatest risk for participating in risky sexual behaviors.

8:45

Psychological Characteristics Associated With The Propensity To Believe In Conspiracy Theories

ROARKE PULCINO, ROCHELLE MCGARVEY, JESSICA MAJOR, DYLAN ELMGREEN, DAMIRA BRADARIC, AND MISTY WHITE, Metropolitan State College of Denver

There is a limited amount of research regarding the psychology of conspiracy theories and the propensity to believe in them. The current study assessed the propensity to endorse a variety of types of conspiracy theories (e.g., political conspiracies, religious conspiracies, social conspiracies) as a function of political extremism, social dominance orientation, and religious fundamentalism.

## Clinical

Oral Paper Session, Friday, 8:00 – 9:00 am, Conference Room 5/6

Moderator: TAMMI VACHA-HASSE, Colorado State University

8:00

Male Sequelae of Childhood Sexual Assault (CSA)

JON DENNIG<sup>1</sup>, DANIEL BRUNS<sup>2</sup>, AND DAVID GONZALEZ<sup>1</sup>; <sup>1</sup>University of Northern Colorado, <sup>2</sup>Health Psychology Associates

Sequelae for 384 CSA survivors, representing a combined sample of medical patient and community subjects were analyzed. On measures of externalizing behaviors and identity diffusion, survivors of both genders scored higher than non-survivors. CSA males scored higher than CSA females on externalizing behaviors, but not on identity diffusion.

8:15

Mental Health Professionals' Reaction to Female Rape Victims: The Effects of Rape Circumstances, Victim's Emotional Response, and Gender of Mental Health Professionals

JENNIFER NEWELL AND DAVID GONZALEZ, University of Northern Colorado

Four hundred fifty-one mental health professionals were randomly assigned one of nine rape vignettes and then responded to an on-line questionnaire. Professionals' perception of the psychological impact differed significantly depending on the rape circumstances, victim's emotional response, and professionals' gender.

### **PSI CHI AWARD WINNER**

8:30

The Relationship between Creativity and Nonclinical Symptoms of Bipolar Disorder in a Sample of College Undergraduate Students

ELIZABETH GOETTER, Regis University

The relationship between creativity and nonclinical symptoms of bipolar disorder was studied. One-hundred undergraduate students were administered a pencil and paper survey examining manic, hypomanic, depressive and creative tendencies. A positive correlation was found between hypomania and creativity, specifically unconventional thinking, openness to experience, and tolerance of ambiguous situations.

8:45

A Literature Review of Current Research on Risk Factors and Etiology of Binge Eating Disorder

AMBER ARTERBURN, College of Southern Idaho

A literature review will be presented examining the correlations between alexithymia and binge eating disorder (BED), and the use of subtypes in BED to determine risk factors and etiology for BED.

## A

Physical Attractiveness, Fertility, and Interpersonal Attraction

SARA GUTIERRES, MARY H. BURLESON, AND BIANCA VALENCIA, Arizona State University

Effects of descriptions of fertility status on ratings of young women were examined. Seventy-five students rated the physical and sexual attractiveness of the same photographs; approximately half were told the women pictured were infertile (through accident). Attractiveness ratings did not differ as a function of the description.

## B

The Effect of Body Mass Index on Perceived Attractiveness

CRYSTAL GLYNN AND SUE KRAUS, Fort Lewis College

The effect of participants' Body Mass Index on how they judge women's body shapes to be attractive was studied at Fort Lewis College. It was found that women who are overweight are more critical of women's body shapes than women who are of a healthy weight.

## C

It Feels So Close: the Feelings as Distance Heuristic

JARRATT PYTELL, JOANNE KANE, LEAF VAN BOVEN, AND A. PETER MCGRAW, University of Colorado at Boulder

A feelings as distance heuristic was concluded by two experiments. The experiments were administered to UCB students and showed this heuristic with both prospective and retrospective estimates of time. This heuristic shows that people use the intensity of feelings when contemplating an event to judge the event's temporal proximity.

## D

Construal Level Theory Applied to Past and Future Events

VALERIE MUNGER, JOANNE KANE, LEAF VAN BOVEN, AND A. PETER MCGRAW, University of Colorado at Boulder

Our research investigates whether construal level varies not only as a function of temporal distance to an event, but whether the event described is in the past or the future. We propose that past events tend to be considered more concretely than future events, which are thought of more globally.

## E

Are Stigmatized People Dehumanized in Different Ways?

BRITTANY BARR AND ROB DEMSKI, Adams State College

Dehumanizing perceptions of four stigmatized groups were explored. Sixty college students responded to a questionnaire that assessed their beliefs about the homeless, prostitutes, terrorists, and pedophiles. Results showed that prostitutes, terrorists, and pedophiles were dehumanized in an animalistic manner, while the homeless were subject to mechanistic dehumanization.

**F**

Not Getting Too Personal: Preferences for Disclosing Irrelevant Personal Information in Letters of Recommendation

SHANNON BRADY, NICOLE WEBBER, KELLI PAULL, AND JESSI SMITH, Montana State University

The goal of this study was to determine people's preference for including potentially stigmatizing information in their letter of reference. The results indicate that (fortunately), people generally are significantly opposed to disclosing information such as age, gender, parental status, or religion in their letter of reference.

**G**

Exploring Potential Influences of Self-Complexity on Mormon Alcohol Use

ROBERT CARLISLE AND SCOTT BATES, Utah State University  
Using a population of Mormons to measure self-complexity, guilt and shame and their alcohol use, it is expected that self-complexity will buffer the negative affects of guilt and shame, and that participants high in self-complexity will drink more alcohol.

**H**

The Effects of Terror Management on Challenging Attitudes

NORMA REYES AND THOMAS PYSZCZYNSKI, University of Colorado at Colorado Springs

The present study investigates the influence mortality salience has on individuals when those individuals are faced with a strong argument that challenges a strongly held attitude. The hypothesis predicts that these individuals are more likely to reduce their anxiety of this threat by putting down the source of the argument.

**I**

Terror Management Theory and Persuasion

TIFFANY L. DOOD AND AN HANDLEY, Montana State University

The aim of the current study is to further examine the link between Terror Management Theory, and persuasion literature. Specifically, this study looked at how participants' attitudes changed as a result of (1) a mortality salience manipulation and (2) reading opinion-consistent and opinion-inconsistent essays containing either strong or weak arguments.

**J**

Do Cell Phones Hold Clues to the Evolution of Language

DORIAN G. MITCHEM, University of Northern Colorado

Predictions drawn from the "gossip" hypothesis of language evolution were tested using twenty-five students' cell phone records and scores on a multiple intelligence. Call-length and -frequency measures revealed predicted hierarchical structuring of social networks. Some evidence suggests that subjects' social networks grow as a function of verbal intelligence.



**K**

The Relationship between Extraversion and Internet Usage

TARA KITZMAN AND PAULA BEALL, University of Colorado at Denver

Levels of extraversion and internet usage were examined to determine if a relationship existed. Psychology students completed surveys measuring extraversion and the extent to which the students utilize the internet. As extraversion increased, internet usage increased.

**L**

A Comparison of Light and Heavy Cell Phone Users While Driving a Vehicle

ERIK NELSON, The University of Kansas

This study compared actions and assumptions of light and heavy cell phone users while driving. Frequency of cell phone use, assumed dangers of using a cell phone, probability of answering vs. initiating a call under various conditions, and likelihood of having differing types of conversations while driving were examined.

**M**

The Effects of Apologies on Legal Reasoning in Civil Cases

ERICA DREW AND EDITH GREENE, University of Colorado at Colorado Springs

The effects of nature of apology offered and severity of injury sustained on preferred course of legal action, impressions of the store owner-injurer, and rated satisfactions with alternative apologies were examined. One hundred eighty-seven participants read scenarios and were then asked to indicate their course of legal action. Results will be discussed.

**N**

An Exploratory Study of the Sunk Cost Effect in Plaintiff Decision-Making in Medical Malpractice Claims

DAVID FLORES AND MONICA MILLER, University of Nevada, Reno

Potential influences of sunk-cost reasoning on decisions to pursue malpractice litigation were examined. 191 participants assigned to four conditions read scenarios of malpractice claims with varying levels of investment and completed questionnaires. Results did not provide strong evidence for a sunk-cost effect, but did reveal gender differences in attitudes about malpractice litigation.

**O**

The Relationship between Burnout and Job Satisfaction among Mental Health Staff

MONIKA KOS AND THOMAS DESTEFANO, Northern Arizona University

The relationship between job satisfaction and burnout among mental health workers was examined. Employees of Arizona rural mental health agencies' were administered the Maslach Burnout Inventory, a Demographic Questionnaire and The Minnesota Satisfaction Questionnaire. Respondents reported more satisfaction with their job, which was tied to a lesser experience of burnout.

**P**

Occupational Stress, Strain, and Coping among Staff Turnover of Long Term Care Facilities

CAROL PATRICK, DONNA FAY, AND ROBERT YATES, Fort Hays State University

Understanding turnover among the staff of long-term care facilities is important given potential increases in the number of future residents. In order to understand factors contributing to turnover, the present study compared occupational stress, strain and coping scores in long term care facility home staff compared with adult score norms.

## **Community College Networking Breakfast**

*Sponsored by*

*Psychology Teachers at the Community College (PT@CC)*

*AND*

*Psi Beta, The National Honor Society for Psychology  
Students at the Community Colleges*

## **WITH SPECIAL THANKS TO WORTH PUBLISHERS**

*Friday 9:10 – 10:10 am*

*Conference Room 7*

Are you interested in finding out more about these groups for Community College teachers and students? All Community College psychology faculty are encouraged to attend to network and share teaching ideas. PT@CC and Psi Beta wishes to sincerely thank Worth Publishers for sponsoring this event.

**HOSTS:**

BEVERLY LESLIE, Front Range Community College-Larimer

JERRY RUDMANN, National Psi Beta office

BOB JOHNSON, APA's Psych Teachers at the Community College

SKIP POLLOCK, APA's Psych Teachers at the Community College

## **RMPA PAST PRESIDENT'S ADDRESS**

Elizabeth L. Glisky  
University of Arizona

### ***Memory and Aging***

*Friday 9:10 – 10:10 am*

*Event Center 2*

Moderator: Nancy Karlin, Univ. of Northern Colorado

This talk will highlight individual differences in older adults in medial temporal/memory function and frontal/executive function and illustrate how these differences impact performance in a range of memory and emotion tasks, including source memory, flashbulb memory and self-referential processing. Longitudinal changes in these two neurocognitive domains will also be presented.

## **Psi Chi presents**

**Calling All Psi Chi Members:  
Strengthening Your Local Chapter**



*Friday 9:10 – 10:10 am*

*Hospitality Suite*

Moderator: Pamela Ansborg, Metropolitan State College of Denver

Presenters:

JACKIE BARTON, Metropolitan State College of Denver

KRISTINA MCDUGAL, Utah State University

KATHRYN GUESS, Metropolitan State College of Denver

This session will present ideas from three seasoned Psi Chi chapter officers on how to strengthen your local Psi Chi chapter. Special emphasis will be placed on social, fundraising, and leadership activities in the chapter.

Moderator:

9:10

Comparing the Effective use of the Method of Loci, Pegword, and Keyword Mnemonics to Study Science Concepts

AARON RICHMOND, LINDSAY LOPINA, AND COLLEEN TENEDIOS, Metropolitan State College of Denver

One hundred forty-four college students used the method of loci mnemonic, the pegword mnemonic, the keyword mnemonic, or their own best method to study 10 science concepts. Students who used the method of loci and keyword mnemonic remembered significantly more information than students who used their own method.

9:25

Immersion Scheduling, Academic Self-concept, and College Student Success

AARON S. RICHMOND<sup>1</sup> AND H. MARK KRANK<sup>2</sup>; <sup>1</sup>Metropolitan State College of Denver, <sup>2</sup>The University of Montana – Western

The impact of immersion scheduling on student success within the general education program was examined. Students in the immersion condition had higher than expected academic self-concept scores and retention rates when compared to students within the traditional general education program.

9:40

Academic Resiliency in Mexican-American and White-Non Hispanic Females

MALINDA. TRUJILLO, ERNEST CHAVEZ, AND JERRY DEFFENBACHER, Colorado State University

The researchers investigated how parent, peers, and personal factors were associated with the academic resiliency of Mexican-American and Non-Hispanic White female, dropouts, at-risk, non-resilient in school students, and resilient students. The analyses revealed that the academic groups significantly differed on the resiliency factors.

9:55

Attitude Change toward Students with Learning Disabilities: Empathy Approach vs. Informative Approach

JOHN BUCKNER, Southern Utah University

The attitude change of prospective teachers toward learning disabled students was studied. The study compares two different approaches: informative versus empathy. The stimulus was presented by two 18 minute clips from the videos “How Difficult Can This Be?” (empathy) and “Teaching Students with Learning Disabilities”(informative).

## Substance Use/ Abuse

Oral Paper Session, Friday, 9:10 – 10:10 am, Conference Room 5/6

Moderator: DAVID YELLS, Utah Valley State College

9:10

Stimulant Use among College Students Experiencing Financial Strain  
KRISTEN MURRAY, JEREMY SHARP, AND LEE ROSEN, Colorado State University

Potential factors predicting stimulant use by undergraduates for concentration and study purposes was examined. 476 students completed a demographic questionnaire and reported current and lifetime use and exposure to recreational stimulant medication, along with their current financial and work situations. Financial problems appear to play a role in academic productivity and recreational stimulant use.

9:25

Gender Differences and Substance-Use-Comorbidities in Incarcerated Populations

SHANNON I. MCNIECE, University of Colorado at Colorado Springs  
Eight hundred twenty-six prison inmates were tested to determine whether psychopathology varied as a function of gender or drug abuse. For 18 DSM-IV-TR Axis I and II disorders, there were 9 and 14 significant main effects for gender and drug abuse, respectively. However, none reached a moderate effect size.

### **PSI CHI AWARD WINNER**

9:40

Beliefs about Offender Registries: Are Sex Offenders and Meth Offenders Viewed Differently

LORI RODRIQUEZ, Chadron State College

Twenty five adults completed a survey regarding their attitudes about offender registries. Most were unaware of the newer meth registries. While individuals felt that such registries were useful in preventing community crime, they tended to view sex offenders and meth offenders differently.

9:55

Predicting Students' Behavior: Influence of Identity Status on Drug Use, Risky Behavior, and Stability in Career Choice

EMILY FLEMING, Fort Lewis College

This survey of sixty-two college students sought to discover a correlation between identity statuses identified by the OMEIS (Bennion & Adams, 1986), and risky behavior, drug use, and stability in major/career choice. Identity Achieved positively correlated with instability in career choice. Identity Foreclosure was positively correlated with risky behavior.

## Social/ Diversity Posters

Poster Session, Friday, 9:10 – 10:10 am, Event Center 3/4

### A

Exploration of Predictors of Emotional Expression through Emotional Word Fluency

DAVID HAYMOND<sup>1</sup>, RORY REID<sup>2</sup>, SIDNEY FADEN<sup>1</sup>, AND COURTNEY BEAN<sup>1</sup>; <sup>1</sup>Utah Valley State College, <sup>2</sup>Brigham Young University

This is a hypothesis generating study whereby the investigators seek to understand and explore whether a relationship exists between emotional word fluency (vocabulary) and the ability to express, identify, and describe emotions. The investigators are also interested in knowing whether or not correlations are significantly different between men and women in these relationships.

### B

Child Restraint Seat Use and Attitude among Japanese Mothers

ITSUMI KAKEFUDA<sup>1</sup>, TATSUHIRO YAMANAKA<sup>2</sup>, AND LORANN STALLONES<sup>1</sup>; <sup>1</sup>Colorado State University, <sup>2</sup>Childhood Injury Prevention Engineering Council (Japan)

Child restraint seat use and attitudes among Japanese mothers were assessed using psychobehavioral models. Norms of others, child resistance, and mother's hassle feeling were associated with the behavior. It was found that culturally competent injury prevention strategies are necessary.

### C

Aggression and Risky Behavior in Middle Aged Drivers

ADAM SARGENT, TIMOTHY CORESSEL, JOHN CARSON, AND JERRY DEFFENBACHER, Colorado State University

Compared to low trait anger, middle-aged drivers, high anger drivers generally reported more aggressive thinking, aggressive anger expression, and aggression behind the wheel and more risky behavior, supporting the aggression hypothesis of the State-Trait model and the risky behavior hypothesis.

### D

The Effects of Conformity, Justice, and Forgiveness on Moral Judgment

ERIN KNIGGE<sup>1</sup>, RONALD D. WELCH<sup>1</sup>, AND DARYL VANTONGEREN<sup>2</sup>; <sup>1</sup>Colorado Christian University, <sup>2</sup>Virginia Commonwealth University

The effects of conformity, justice, and forgiveness were investigated to determine their role in moral decision-making. Participants completed a series of surveys, a priming task, and a moral judgment test. Results revealed significant interactions between religious tradition, justice, forgiveness, and moral judgment, as well as significant relationship between factors.

**E**

## The Influence of Media on Women's Self-concept, Fear of Intimacy and Personal Control

ANNA VANDERKLEED AND RONALD D. WELCH, Colorado Christian University

The interactions between media, self-concept, fear of intimacy and personal control were assessed in 54 students at a Christian university. Results indicated a significant, positive relationship between self-concept and personal control, a significant, negative relationship between fear of intimacy and self-concept, and a significant effect for media on self-concept.

**F**

## Self-Esteem, Conformity, Personal Attributes, and Internalization of Religious Beliefs in Christian University Students

MEGAN CULLEN, DANIELLE PUCCI, AND RONALD D. WELCH, Colorado Christian University

Analysis of data from a preliminary sample of 40/200 subjects at a Christian university indicates significant relationships between conformity, self-esteem, and personal attributes. Parenting style and religious behaviors were also significant factors. Analysis of the full data sample in 1/07 will evaluate the impact of these factors on religious internalization.

**G**

## Perceptions of Male and Female-dominated Professions: The Importance of Stereotypes and Role Strain

KELLI A. PAULL, SHANNON F. BRADY, AND JESSI L. SMITH, Montana State University

The goal of this study was to assess student's perceptions of careers, dominated by one or the other gender (e.g., nursing and computer science). Results suggest students view male-dominated, but not female-dominated, careers as requiring higher intellect. Both types of jobs were viewed as highly stressful for minority employees.

**H**

## Religiosity and Motivations for Infidelity

LORA LORINCZ AND ELIZABETH ALLEN, University of Colorado at Denver

The relationship between religiosity and experiences of infidelity were examined using a sample of 504 undergraduates and 251 community volunteers. Based on self-report questionnaires, we examined how motivations for infidelity, type of extradyadic relationship, and remorse for infidelity varied based on degree of religiosity.

**I**

Marital Satisfaction and Religion, and Their Role as Protective Factors against Divorce

ANNA CEJKA<sup>1</sup>, ELIZABETH ALLEN<sup>1</sup>, SCOTT STANLEY<sup>3</sup>, HOWARD MARKMAN<sup>4</sup>, AND CHRISTINE JOHNSON<sup>3</sup>; <sup>1</sup>University of Colorado, Denver, <sup>2</sup>Oklahoma State University, <sup>3</sup>University of Denver

This study evaluated the role of religiosity and marital satisfaction on beliefs about divorce, as well as the effects of level of religiousness and communication quality in on marital satisfaction. 3,334 participants responded to questions on religiosity, beliefs about divorce, and marriage satisfaction. Religiosity influenced beliefs about divorce above and beyond marital satisfaction.

**J**

Attenuating Bloodlust: Mortality Reminders, Compassionate Values and Religious Fundamentalism on Warmongering

ZACHARY ROTHSCHILD, TOM PYSZCZYNSKI, AND DAVID WEISE, University of Colorado, Colorado Springs

The effect of mortality, values, and religious fundamentalism were examined on support for extreme military force. One hundred fifty-seven people participated. After a mortality reminder, high fundamentalists in the compassionate values condition reported significantly less support for violent military solutions compared to fundamentalist in the neutral value conditions.

**K**

The Impact of Oppression on Perceptions of the World

BARBARA HUNTER<sup>1</sup>, JOLAN DAWSON<sup>2</sup>, ELAINE ROTH<sup>1</sup>, AND JOSHUA WITT<sup>1</sup>; <sup>1</sup>Southwestern Illinois College, <sup>2</sup>Southern Illinois University-Edwardsville

The present study hypothesized that the more memberships an individual had in oppressed groups, the more impact there would be on their perceptions of others and the world in general. This hypothesis was partially supported. Interestingly, those with assigned membership in groups experienced more impact than those with ascribed membership.

**L**

The Stages of an Abusive Relationship

BARBARA HUNTER<sup>1</sup>, ELAINE ROTH<sup>1</sup>, AMBER ERNST<sup>2</sup>, NATALIE CHUDOBA<sup>2</sup>, JOSHUA WITT<sup>1</sup>, AND JOLAN DAWSON<sup>2</sup>; <sup>1</sup>Southwestern Illinois College, <sup>2</sup>Southern Illinois University-Edwardsville

The present research examines the hypothesis that there is a developmental process involved in abusive relationships. Certain behaviors precede others and can serve as warning signs of future abuse. In addition, gender differences in various kinds of abuse were explored. A surprising lack of gender differences was found.



**M**

## Predictors of Breast Cancer Screening Among Latinas

PATRICIA GONZALEZ, AVA CAREY, KRISTA HOFFMEISTER, LIZ KENESKI, AND EVELINN BORRAYO, Colorado State University

The goal of this study was to examine the relationship between socio-demographic variables and BC screening behaviors among Latinas. Participants completed a survey to assess their BC screening behaviors including mammography utilization. Several socio-demographic variables were found to be significant related to breast cancer screening behaviors.

**N**

## The Role of Identity in College Students Last Name Changes

MONICA ROSALES, PATRICIA GONZALES, PHILLIP T TATUM, GALI GOLDWASWER, AND LYNDSIE LEE, Colorado State University

This study examined college men's ( $N = 264$ ) willingness to change their last name for marital reasons. Feminist attitudes and the personality trait openness to experience were related to college men's marital name choices, however, more research is needed to determine why men are conservative with respect to marital names.

**O**

## College Men's Attitudes toward Marital Name Change

PHILLIP T. TATUM, GALI GOLDWASWER, MONICA ROSALES, PATRICIA GONZALES, AND SILVIA S. CANETTO, Colorado State University

This study examined college men's ( $N = 264$ ) willingness to change their last name for marital reasons. Feminist attitudes and the personality trait openness to experience were related to college men's marital name choices, however, more research is needed to determine why men are conservative with respect to marital names.

**P**

## Feelings as Distance: Regulating Emotions

MATTHEW LAMBUTH, LEAF VAN BOVEN, PETER MCGRAW, AND JOANNE KANE, University of Colorado at Boulder

Thinking about events in an emotional manner causes them to seem psychologically "closer" than the same events considered in a detached, factual manner (Van Boven, Kane, McGraw, & Dale, 2006). This study further explores the role of emotions in the Feelings as Distance heuristic by examining a potential moderator: reappraisal.



## **APA SYMPOSIUM**

### ***How to Publish Your Journal Article***

*We would like to thank APA for their sponsorship of this symposium.*

*Friday, 9:10 – 10:10 am*

*Conference Room 10*

Presenter: Will Schweitzer, APA

The Catch 22 in research publishing is that few authors work effectively in the process until after they've published a few manuscripts. An APA Journals staff member, journal editor, and an established author will share their perspective on how to publish followed by an open question and answer period.

## **RMPA Invited Lecture**

James Hill

University of Colorado School of Medicine

### ***Strategies to Address the Obesity Epidemic***

*Friday 9:10 – 10:10 am*

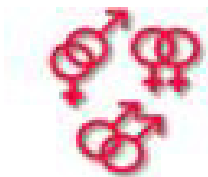
*Event Center 1*

Moderator: Paul Bell, Colorado State University

The presentation will address the question of why obesity rates are increasing in adults and children, the health consequences of these increases, and strategies to reduce the prevalence of obesity in the population. In particular, prevention of weight gain will be addressed separately from treatment. Finally, the idea of small lifestyle changes to prevent weight gain will be discussed, and research relevant to this approach will be presented.

# ***Diversity Committee Round-Table Discussion***

## ***Educational Approaches for the Creation of GLBT Supportive Classrooms***



***Friday 10:20 – 11:20 am***

***Conference Room 10***

### Discussants:

VANESSA EWING, Elementary School Principal and Adjunct Instructor, Metropolitan State College of Denver

HEATHER TAPLIN, Elementary School Teacher and Graduate Student, University of Colorado at Colorado Springs

DOUG WOODY, Associate Professor at the University of Northern Colorado

DIANE MARTICHUSKI, Senior Instructor, University of Colorado at Boulder

Historically, education has been created based on a hetero-centric model to support and maintain the existing traditional values of the dominant social groups. Discussants will share pedagogical techniques, educational materials, and particular curriculums that deconstruct this traditional model of education so that all students will benefit from a truly inclusive education. Dr. Ewing and Heather Taplin will discuss GLBT supportive educational approaches for children during their primary and secondary school years. Dr. Woody and Dr. Martichuski will be discussing educational approaches and resources for adult learners in the university setting. Throughout the presentation educational resources will be shared. Participants will be encouraged to share their own resources, experiences, and opinions throughout this discussion.

## ***Clinical Workshop***

### ***The Challenges of Being a Counseling Center Director***

*Friday 10:20 – 11:20 am*

*Conference Room 9*

Panelists:

PETER KRANZ AND SANTIAGO SILVA, University of Texas - Pan American

This workshop will attempt to identify issues related to being a Director of a counseling center and what training and experience would facilitate that process. Issues to be discussed include University administrators, dealing with budgets, supervision, and performance evaluations, administration, networking, setting goals, defining services to be provided and the recruitment of staff.

## **Psi Chi Q & A**

### **Calling All Psi Chi Faculty Advisors: Strengthening Your Local Chapter**

*Friday 10:20 – 11:20 am*

*Hospitality Suite*

Presenter:

Melanie Domenech Rodríguez, Utah State University

Faculty are seldom lacking proper involvement in service activities, often called “thankless tasks.” Becoming the local Psi Chi chapter faculty advisor can seem like one in a seemingly endless stream of service activities. However, leading a healthy, active Psi Chi chapter can have many benefits to faculty advisors, including an improved tenure and promotion application.

## Personality Measurement

Oral Paper Session, Friday, 10:20 – 11:20 am, Conference Room 5/6

Moderator: ROBERT HORN, Northern Arizona University

10:20

Development of a Measure of Attitudes Toward Terrorism

HESHAM YAHYA AL-JUBAILI AND STEVEN PULOS, University of Northern Colorado

An instrument to examine attitudes toward terrorism was developed. Similar results were found for a United States Sample and an international sample, primarily from the Middle East & south Asia. Four factors were found, fear of terrorism, belief in psychological causation, belief in societal causation, and endorsement.

10:35

The DISC Personality Measure as a Predictor of Social Loafing

ELYSIA BUTLER, VICTORIA MECHAM, ZACHARY SNOW, AND TODD BAIRD, Weber State University

Businesses use personality assessments to guide them in their hiring practices. By predicting employee behavior, they can avoid or decrease problems such as social loafing. In this study a commonly used personality measure, the DISC Profile System and the Big Five personality inventory were examined as predictors of social loafing.

10:50

Belief in Mechanical Mind: A Test for Technological Anthropomorphism

CAROLINE JAMISON, MIKE SCHOGGER, SARAH TORGERSON, GOSIA PASTUSIAK, JACOB BENFIELD, AND WILLIAM SZLEMKO, Colorado State University

This experiment was intended to measure individual beliefs that machines can have thoughts and feelings. Exploration of initial factor structure, scale reliability, and validity are the primary aims of this study.

11:05

Preliminary Analysis of “The Chinese Big Five”: A Personality Inventory Developed From Traditional Chinese Philosophy

NICHOLAS C. CUCCIA AND IAN WILLIAMSON, New Mexico Highlands University

This study explores personality from the perspective of Five Element Theory, a theoretical model developed in Traditional Chinese Medicine. The trait terms associated with the five elements were used to create the survey. Reliabilities for the five scales were good. We also conducted an exploratory factor analysis, yielding four factors.

## **RMPA Battig Memorial Lecture**

# **Multitasking on the Information Super Highway: Why Using a Cell Phone can Make You Drive Like You're Drunk**

David Strayer  
University of Utah



*Friday 10:20 – 11:20 am*

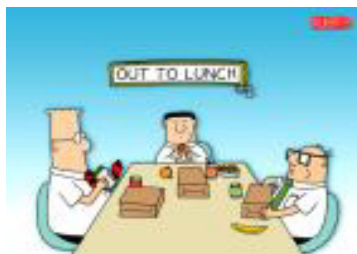
*Event Center 1*

Moderator: Alice Healy, Univ. of Colorado at Boulder

Does using a cell phone interfere with driving? This talk will provide evidence that the impairments associated with using a cell phone while driving are substantial and I will provide evidence for the mechanisms underlying this dual-task interference. We find that cell phone use suppresses traffic-related brain activity making drivers fail to see up to 50% of the information in the driving environment and resulting in impairments comparable to that of driving with a blood alcohol level at the legal limit. By contrast, in-vehicle conversations do not interfere with driving as much as cell phone conversations because there is a greater ability to synchronize an in-vehicle conversation with the processing demands of driving than there is with a cell-phone conversation.

STP/CTUP/CUPP

## **Luncheon Planning Meeting**



Faculty interested in planning the RMPA Teaching Conference for 2008 are encouraged to attend.

*Friday, 11:30 am - 1:00 pm  
Private Dining Room*

## **PSI CHI Advisors Luncheon**

**(Sponsors please contact Melanie Domenech Rodriguez)**



*Friday, 11:30 am - 1:00 pm  
The Hotel Restaurant*

HOST: Melanie Domenech Rodriguez,  
Utah State University,  
Psi Chi Rocky Mountain Vice-President

**Who Cares?: Generativity Theory  
and Moral Emotions - A New  
Direction for Theory and  
Research in the Psychology of Love**



*Friday, 1:00 – 2:00 pm*

*Conference Room 5/6*

Moderator: G. MICHAEL LEFFEL, Point Loma Nazarene University

This three-part study promotes the idea that positive emotions and ‘moral affects’ facilitate prosocial behavior through a conceptual review of an innovative theory of generativity, a new “Big Eight” model of “moral affects,” and a construct validation study of the relationships among generative concern, caring virtues, and generative action.

**Relational Generativity: Re-discovering Erik Erikson’s Old “New” Emotional Investment Model of Caring**

G. MICHAEL LEFFEL, Point Loma Nazarene University

Contributing to contemporary generativity theory, this presentation commends the inclusion of an additional ‘domain’ (relational generativity) and new moral motive “facet” (moral emotions) into McAdam’s seven-facet model of generativity.

**Moral Emotions and “Upward Spirals” of Care: A Conceptual and Empirical Review for Programmatic Research**

MALERIE FRITZ AND G. MICHAEL LEFFEL, Point Loma Nazarene University

This literature review investigates the role of moral affects as amplifiers of prosocial behavior. The moral affects of empathy, compassion, gratitude, positive pride, trust, forgiveness, humility, and guilt are explored in the context of previous research to understand how each contributes to caring and facilitates prosocial behavior.

**The Relationship of Positive and Moral Emotions (Empathy and Gratitude) to Generative Care: Preliminary Construct Validation Studies**

MICHELLE STEPHENS<sup>1</sup> AND G. MICHAEL LEFFEL<sup>2</sup>; <sup>1</sup>California State University, Long Beach, <sup>2</sup>Point Loma Nazarene University

Two studies explore the relationships between positive emotions, gratitude, and empathy and strength of relationship between generative concern and generative action as conceptualized in McAdam’s seven-facet model of generativity.



# EDUCATION SYMPOSIUM



## **Educating Homeless Adolescents: Findings from the First Year of an Alternative High School**

*Friday, 1:00 – 2:00 pm*

*Conference Room 10*

Moderator: RANDYL D. SMITH, Metropolitan State College of Denver

### ***The Student Body: Demographic And Descriptive Information***

SARAH BEUTEL, University of Denver

### ***Psychological Factors: Student Attitudes And Characteristics That May Contribute To Success***

RANDYL D. SMITH, Metropolitan State College of Denver

### ***Removing Barriers To Success: Wraparound Services For Multi-Need Youth***

ALICIA DAIGLER, Academy of Urban Learning

### ***In Their Own Words: Findings From Student Focus Groups***

JULIE LASER HADDOW, University of Denver

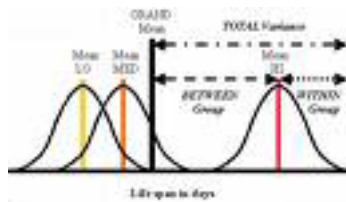
Students enrolled in a new high school for homeless adolescents completed self-concept and quality-of-life inventories, took life-events surveys, and participated in focus groups. Data collected during the school's inaugural year support some of the existing literature about the population, but also suggest directions for future educational and psychological interventions.

# APA DISTINGUISHED SCIENTIST LECTURE

David A. Kenny  
University of Connecticut

## *What You Did Not Learn In Graduate Stats Class*

We would like to thank  
the American Psychological Association  
for their sponsorship of this presentation.



*Friday 1:00 - 2:00 pm*

*Event Center 1*

Moderator: Nancy Karlin, Univ. of Northern Colorado

Several new approaches to data analysis are explored in non-technical fashion. First, reviewed is the fact that the ideal experiment is just that, an ideal that hardly ever happens. The researcher should expect and plan for problems such as missing data and collinearity. Second, researchers are urged to probe their data with analysis methods that may be suboptimal but that are more familiar and transparent than the analysis to be used in the paper itself. Third, researchers are urged to pay more attention to the random part of their data. Many of the more recent advances in data analysis focus on this random part of the statistical model. Focus is given to the analysis of data from couples and families.

# Psi Chi Symposium

## Mythbusters: The Academic Edition

Friday 1:00 – 2:00 pm

Hospitality Suite

Moderator: Pamela Ansborg, Metropolitan State College of Denver

Presenters:

**Mark Basham**, Regis University

**Rona McColl**, Regis University



*Myth #1: Your professors all got straight A's in college. Come learn about common misconceptions that undergraduate and graduate students hold about the field and the people in psychology, and whether you should hang on to them or let them be debunked.*

## Learning/ Memory/ Cognition Posters

Poster Session, Friday, 1:00 – 2:00 pm, Event Center 3/4

### A

Perceptual Cues Can Lead to Metacognitive Illusions

MATTHEW RHODES, JEFFREY BOMAN, HALEY SMITH, KATHERINE SAMMONS, AND TORREY TROVERY, Colorado State University

We examined how the size of to-be-remembered words influences predicted memory performance. Participants studied words for a later recall test that varied in font size and made judgments of learning (JOLs) for each item. JOLs varied as a function of font size, with larger font sizes given higher JOLs.

### B

Recognition without Identification across Different Modalities

ANNE CLEARY, BOGDAN KOSTIC, HOLLY OWEN, AND JESSICA BEYER, Colorado State University

The magnitude of the recognition without identification effect was compared across visual and auditory test modalities, and when the test modality matched versus did not match the study modality. The effect was larger in the auditory test modality than in the visual test modality, regardless of study-test match condition.

## 52 C

### Recognition without Identification of Songs

BOGDAN KOSTIC AND ANNE CLEARY, Colorado State University

The present study examined recognition for perceptually degraded music samples. Perceptual degradation was manipulated by embedding songs in static noise, tapping out the rhythm, or playing the songs in reverse. Recognition without song identification took place in all cases; unidentified studied songs received higher familiarity ratings than unidentified unstudied songs.

## D

### Performance On A Probabilistic Category Learning Task In Children And Young Adults

ELIZABETH TURNER, R. ELISABETH CORNWELL, DEV ASHISH, AND HASKER DAVIS, University of Colorado at Colorado Springs

A probabilistic category learning task, the weather prediction task, was administered to participants ranging in age from 5 to 23 years. Performance on this implicit memory task changed across age, and supports the view that a certain level of brain development may be required for optimal performance.

## E

### Development of a Modifiable Computerized Screen for Cognitive Impairment

DEV ASHISH, SHANNON FOSTER, JEFF WEST, R. ELISABETH CORNWELL, AND HASKER DAVIS, University of Colorado at Colorado Springs

We have developed a computerized memory screen for elderly clients based on measures that show sensitivity for early signs of cognitive decline. The main components of the screen are detailed demographics, Rey Verbal Recognition Task, Trail Making Test, and questionnaire inventories for depression, anxiety, and alcoholism.

## F

### The Effects of Aging and Ambiguity in Proper Name Learning

SARAH K. TAUBER AND LORI E. JAMES, University of Colorado, Colorado Springs

This research investigated the impact of aging and ambiguity on proper name learning. Age impacted name learning ability but ambiguity did not. Across age, occupations were recalled more than names, but ambiguous names and occupations were not associated with increased interference or confusion for either young or older adults.

## G

### The Effect of Guessing in Proper Name Learning

SARAH K. TAUBER, LORI E. JAMES, AND RACHEL MUNK, University of Colorado, Colorado Springs

The impact of guessing on proper name learning was investigated. Contrary to expectations, recall of proper name and semantic information did not statistically differ between participants that were forced to guess and those allowed not to guess. Guessing does not account for any of the difficulty of learning proper names.

**H**

The Effect of Generic Masculine Pronouns on Thought and the Exclusion of Women

MEGAN MILLER, LORI JAMES, KETHRA FOGLER, AND SARAH TAUBER, University of Colorado at Colorado Springs

A replication of MacKay and Fulkerson (1979) was conducted. Fifty-five students were presented with generic sentences containing masculine pronouns. Similar to results obtained nearly 30 years ago, students still do not accurately comprehend masculine pronouns as referring to males and females equally when used in a generic context.

**I**

Recognizing Famous Landscapes without Identifying Them

NORMA REYES<sup>1</sup> AND ANNE CLEARY<sup>2</sup>; <sup>1</sup>University of Colorado at Colorado Springs, <sup>2</sup>Colorado State University

The present study demonstrates that people can distinguish between images of famous places whose names were studied and images of famous places whose names were not studied when the places themselves cannot be identified at test. This ability appears to be related to tip-of-the-tongue states for scene names.

**J**

Memory and Time of Day

AMANDA SENSENIG AND EDWARD DELOSH, Colorado State University

Performance on explicit and implicit memory tasks at different times of day was examined. Following existing literature, we hypothesized that memory performance would vary based on a person's preferred time of day. Results are discussed in light of this hypothesis.

**K**

Effects of Presentation Type on Driving Direction Retention

NICOLE TRACY<sup>1</sup>, HEATHER MONG<sup>2</sup>, AND BENJAMIN CLEGG<sup>2</sup>; <sup>1</sup>Fort Lewis College, <sup>2</sup>Colorado State University

Study conditions for learning driving directions were examined. Participants memorized directions in four conditions: text directions, text plus map, text plus photos of junctions, text plus video of the route. On subsequent route navigation in a simulator, a trend towards costs for additional visual, but not spatial, information was observed.

**L**

The Effects of Generational Names on Memory for Proper Names: Rose by Any Other Name

KETHERA A.J. FOGLER AND LORI E. JAMES, University of Colorado at Colorado Springs

The effects of generational names on proper name memory were examined. Twenty-three participants learned 10 names associated with 10 women's faces. Half the names were popular for the participant's generation; half were popular for a different generation. Results indicate no advantage for learning names that are consistent with those of one's generation.

**M**

## Age-Related Effects of Interference on Proper Name Learning

KETHERA A.J. FOGLER<sup>1</sup>, ETHAN A. MCMAHAN<sup>2</sup>, AND LORI E. JAMES<sup>1</sup>;<sup>1</sup>University of Colorado at Colorado Springs, <sup>2</sup>University of Wyoming

The effect of interference in proper name learning was examined using 30 younger and 30 older adults. Participants were asked to learn either names, occupations, or both in association with men's faces. Results indicate that name learning was not affected by interference. A follow-up with slightly different procedures is currently being conducted.

**N**

## The Effect of Situational Factors on Rational Judgments: A Test of Dual Process Theory

SHANE BENCH, SHOKO KIKUGAWA, AMANDA MCDONOUGH, DENNIS

MILLER, RYAN STOKES, AND RICK WALKER, Weber State University

Introductory Psychology students completed a ratio-bias judgment (RB-J) and evaluation (RB-E) task which varied Perspective (Self or Logical Person) and Consensus Information. Correct RB-J responses were made more often in the Logical Person than Self perspective but Consensus had no effect. There were no differences in performance on the RB-E task.

## **RMPA EARLY CAREER AWARD WINNERS**



2003 William Douglas Woody,  
University of Northern Colorado

2004 Britton Mace, Southern Utah University

2005 Michelle Butler, US Air Force Academy

2006 Carla Reyes, University of Utah

2007 Who will it be?

## **RMPA Award Finalists**

Oral Paper Session, Friday, 1:00 – 2:00 pm, Conference Room 9

Moderator: ROXANNE SULLIVAN, Bellevue University

1:00

Differentiating Tower of Hanoi Performance: Interactive Effects of Psychopathy, Impulsivity, and Modality

CHRISTY L. ADAMS, CRYSTAL SPINDLER, AND JAMES HOLLAND, University of Northern Colorado

Modality effects have been demonstrated for the Tower of Hanoi, in which scores are lower for the computerized version. Psychopathic tendencies were considered a risk factor. Unexpectedly, the results indicate that high psychopathic individuals perform just as well on the computerized version, whereas low and middle psychopathic individuals perform worse.

1:15

Best Practices for Career Counseling with Gay and Lesbian Clients

ELIZABETH ASTA, Colorado State University

This paper will review the increasing amount of research literature on vocational counseling with gay and lesbian individuals. It includes information on comprehensive career counseling programs for gay/lesbian clients, some overall differences between gay/lesbian and heterosexual clients, and special issues with which career counselors might want to become more educated.

1:30

An Evaluation of the Effectiveness of Programs for the Language Development of Children Birth to 3 years from Low-income Families: Understanding the Variables that Affect Early Neurodevelopment

LAURIE A. CHAPIN AND SHANNON L. ALTENHOFEN, Colorado State University

Three-year-old Early Head Start participants did not show better language system development compared to controls and both groups performed significantly below average. Differences in language functioning were predicted by language and cognitive stimulation in the home, which was predicted by parent-child interaction, including parental supportiveness.

1:45

Are Clinical Graduate Students Trained in the Ethics of Research and Teaching?

ROBIN KLEVANSKY, University of Colorado at Denver and Health Sciences Center

Three hundred three clinical graduate students completed questions about their ethics training. Respondents reported that ethics training focused most on clinical work and least on teaching, and they were least satisfied with their training in teaching. More ethics discussion with supervisors may lead to stronger responses to ethical dilemmas.

## **RMPA Award Finalists 2**

Oral Paper Session, Friday, 2:10 – 3:10 pm, Conference Room 9

Moderator: ROXANNE SULLIVAN, Bellevue University

2:10

The Model of Four Connections in a Romantic Relationship

MALKA IRIS LOREN, Derner Institute of Advanced Psychological Studies, Adelphi University

This study was an initial exploration of the phenomena of CONNECTEDNESS between romantic partners. The author introduced a multi-dimensional model, describing 4 connections: Physical, Intellectual, Psychological and Spiritual (non-religious). General trends of connectedness and gender differences within the dimensions were examined. Implications to social psychology and couple therapy are discussed.

2:25

Taster and Nontaster Differences in Attitudes to Chocolate and Bitter, Sweet and Cilantro Taste Preferences

LAURA OLIVER AND DAYNA KIMBALL, Metropolitan State College of Denver

Differences in bitter, sweet, and cilantro taste perceptions between male and female tasters and nontasters were investigated by measuring taste preferences and attitudes toward chocolate. Tasters reported a significantly higher preference for bitter substances and significant gender differences in feelings of guilt associated with chocolate consumption were found.

2:40

The Role of Choice Point Behavior in Interventions of Utilitarian Physical Activity

WILLIAM SZLEMKO, JACOB BENFIELD, CAROLINE JAMISON, KELLENE WELLS, AND JESSICA NAGEL, Colorado State University

Approximately 65% of adults are overweight (CDC, 2004). Many studies have examined how signs can increase physical activity. Choice point behavior, which typically conforms to economy of movement principles, may explain varying success rates. Sign placement that altered choice point behavior resulted in a nearly 75% decrease of shortcut paths.

2:55

Attributions of Social Responsibility: An Examination across Social Context

ROBERT TILLERY, University of Colorado at Colorado Springs

Attributions for social responsibility were examined for 121 participants, across a broad spectrum of social dilemmas based on individualistic, structuralistic and fatalistic attributional types. As hypothesized, attributional style predicted responses across all social contexts. Political ideology was found to be related to attribution style independent of religious ideology.



## **APA Distinguished Scientist Conversation Hour**

David A. Kenny  
University of Connecticut



Come by to have an informal discussion  
with Dr. Kenny.

*Friday 2:10 – 3:10 pm*

*Event Center 1*

## **Psi Chi Roundtable**

### **Staying Awake For The Punch Line: On Surviving And Making The Most Of Your Didactic Classes**

*Friday 2:10 – 3:10 pm*

*Hospitality Suite*

Moderator: Melanie Domenech Rodríguez, Utah State University

Presenters:

W. DOUGLAS WOODY, University of Northern Colorado

BRITTON MACE, Southern Utah University

KARLA GINGERICH, Colorado State University

Sometimes classes feel like an interruption to a perfectly wonderful college career. In this Roundtable, master teachers will share their insights into how to make the most of your didactic classes, whether they are enthralling or painful.

58 **Ellis-Battig Memory Symposium**

***Contemporary Memory Research:  
Connections with the Past at the  
University of Colorado***

*Friday, 2:10 – 5:30 pm*

*Conference Room 5/6*

*All of these invited participants received their PhDs at the University of Colorado Department of Psychology around the time when William Battig was a member of the faculty!*



***Discussant:***

RONALD T. KELLOGG, Saint Louis University, St. Louis, Missouri

***Organizers:***

ALICE F. HEALY, Univ. of Colorado at Boulder

LYLE E. BOURNE, JR., Univ. of Colorado at Boulder

***Panelists:***

ALINDA FRIEDMAN, University of Alberta, Edmonton, Alberta, Canada

GILLES O. EINSTEIN, Furman University, Greenville, South Carolina

MICHAEL E. J. MASSON, University of Victoria, Victoria, British Columbia, Canada

MARK A. MCDANIEL, Washington University, St. Louis, Missouri

## **Social Psychology – Technology/Law**

Oral Paper Session, Friday, 2:10 – 3:10 pm, Conference Room 10

Moderator: IAN WILLIAMSON, New Mexico Highlands University

2:10

Technology Use, Stress, and Personal Boundaries

CHRISTINE KELLEY<sup>1</sup>, JENNY SHELL<sup>2</sup>, AND DIANE MARTICHUSKI<sup>2</sup>;

<sup>1</sup>Colorado Christian University, <sup>2</sup>University of Colorado at Boulder

This study examined perceived stress regarding electronic communication devices and personal boundary styles. Male and female participants ranged in age of 18 to 40. A series of surveys were used to measure positive or negative opinions regarding technology. Responses were assessed to explore correlations between boundaries, stress and technology.

2:25

Technology and its Effects upon Social Well-being

RUSSELL BINGHAM AND BRITTON MACE, Southern Utah University

The effects of technology on one's social well-being were examined. Two hundred, randomly selected Southern Utah University students were administered self-report surveys, and asked to indicate their level of loneliness, and then asked how often they used various technological devices and services.

2:40

The Role of Issue Interest in Voting Behavior

JEREMY ASHTON HOUSKA, AMY LYNN HERTER, AND ALICIA ANN CARDAMONE, University of Nevada, Las Vegas

Research on conditioned voting behavior following the attitude similarity-attraction framework has paired political candidates with unconditioned stimuli such as global measures of attitudinal agreement with the voter. Proponents of external validity, however, may suggest agreement coupled with issue interest as the relevant unconditioned stimulus. Data concerning this proposition are presented.

2:55

Tell Me No Lies: Effects of Deceptive Polygraph Results on True and False Confessions

STACY SIMONSEN<sup>1</sup>, KRISTA FORREST<sup>1</sup>, AND CHARLES HONTS<sup>2</sup>; <sup>1</sup>University of Nebraska at Kearney, <sup>2</sup>Boise State University

Using the existing paradigm (Russano, et al, 2005), researchers from the University of Nebraska at Kearney and Boise State University will investigate whether providing false polygraph results during an interrogation differentially affects the likelihood of individuals making true or false confessions.

**RMPA DIVERSITY COUNCIL  
INVITED ADDRESS**

*A Class in Race Relations that Made  
a Difference*

***Peter Kranz***

University of Texas Pan American

*Friday, 2:10 – 3:10 pm*

*Event Center 2*

Moderator: Susan Becker, Mesa State College

A unique Race Relations course provided an arena for students to interact, question beliefs and experience positive change in their racial attitudes. Students reported that experiential components were powerful instruments for self-growth, and racial understanding. The student exchange is one such experience where they went on a seven day home visit with the family of another student of a different race.

***RMPA Conversation Hour  
With  
Peter Kranz***

University of Texas Pan American

(an informal time for students and faculty to talk with  
our guest speaker)

*Friday, 3:20 – 4:20 pm*

*Event Center 2*

# Neuropsychology

Oral Paper Session, Friday, 3:20 – 4:20 pm, Conference Room 10

Moderator: GLENA ANDREWS, Northwest Nazarene University

3:20

The Use of Neuropsychological Tests to Predict Functional Status in the Elderly: A Review of Recent Literature

NATALIE BRESCIAN, Colorado State University

The present paper reviews recent literature about the prediction of functional status in the elderly with the use of neuropsychological testing instruments. Findings on prediction of functional status using measures of executive functioning, visuospatial perceptual ability, and memory are discussed. Future directions for predicting functional independence are explored.

3:35

Pomegranate Juice Reverses Alzheimer-like Cognitive Impairments in Copper-Cholesterol Fed Rabbits

C.J. MCKINNEY AND M. TODD ALLEN, University of Northern Colorado

Previously, we demonstrated that a diet including copper and cholesterol produces Alzheimer-like beta amyloid plaques in the entorhinal cortex in the rabbit that disrupt eyeblink conditioning. One possible Alzheimer's therapy involves a diet rich in antioxidants. Pomegranate juice was found to reverse Alzheimer's like cognitive deficits in rabbit eyeblink conditioning.

3:50

Hippocampal Damage and Exploratory Preference in the Ischemic Gerbil: Dissociating Object and Arrangement Memory

DAMON L. MCNEILL, ALEX M. BABCOCK, AND MICHAEL CRANSTON, Montana State University

Ischemic gerbils were tested in an object/arrangement novelty preference paradigm. This task has not been used in the gerbil model to examine hippocampal learning. Ischemic gerbils showed no significant preference relative to sham controls for novel over familiar arrangements. Findings are consistent with other rodent models.

4:05

Hemispheric Processing of Chimeric Images

ERIC ROTH<sup>1</sup>, DERECK HUTCHISON<sup>1</sup>, ABBIE HAMMER<sup>1</sup>, AND JAMES NOLAN<sup>2</sup>; <sup>1</sup>Southwestern College, <sup>2</sup>Envision

Memory search processes in relation to lateralization, and prototype formation were examined. Subjects viewed chimeric images in three experimental conditions. Subjects were asked to select the type of imaged viewed from an exemplar set. Results indicate unique but not undocumented hemispheric processing strategies used by subjects.

## CTUP/STP INVITED ADDRESS

David Myers  
Hope College

*Four Decades Professing Psychology:  
Lessons I Have Learned*



*Friday 3:20 – 4:20 pm*

*Event Center 1*

Moderator: Roxanne Sullivan, Bellevue University

Social psychologist David Myers professes psychology at Michigan's Hope College. His scientific writings, supported by National Science Foundation grants and fellowships and recognized by the Gordon Allport Prize, have appeared in two dozen academic periodicals, including *Science*, the *American Scientist*, the *American Psychologist*, and *Psychological Science*.

## **Animal/ Measurement/ Military Posters**

Poster Session, Friday, 3:20 – 4:20 pm, Event Center 3/4

### **A**

The Effects of Vomeronasal Blockade on a Prey Discrimination Task in Rattlesnakes

CHELSEA TIERNAN AND C. PATRICK STARK, Western State College  
Xylocaine ointment was topically administered to temporarily block rattlesnake's vomeronasal systems (VNS). Rattlesnakes were presented with a prey discrimination task to assess the importance of the VNS in mediating a rattlesnake's ability to distinguish between envenomated and nonenvenomated prey items. Results indicate the importance of the VNS in mediating prey discrimination.



### **B**

Preliminary Development of a Measurement of Young Adults' Strategies for Solving the Tower of Hanoi Task

CHRISTY L ADAMS, JAMES HOLLAND, AND CRYSTAL SPINDLER, University of Northern Colorado

A self-report questionnaire was developed to assess strategies that individuals use while solving the Tower of Hanoi (TOH). The questionnaire is composed of two subscales measuring a general propensity to engage in strategic planning, and a specific understanding of optimal disk placement strategies. The questionnaire correlated significantly with TOH performance.

### **C**

Development and Evaluation of a Men's Depression Scale: A Pilot Study  
ANDREW FIELDS, University of Denver

This paper outlines a pilot study to develop an accurate measure of men's depression. Item development using Classical Test Theory, and item evaluation using Item-Response Theory, is presented. Implications for men's depression and future research are discussed.

### **D**

Assessing Concurrent Validity of the Five Point and Cognitive Estimation Test in Chronic Substance Abusers

ANNETTE STOKES, CLIFFORD SIMPSON, RUTH ANN NEELEY, MCCALL CHRISTENSEN, AND STEVE BARNEY, Southern Utah University

Nineteen chronic substance abusers completed the Five Point Test (FPT) and the Cognitive Estimation Test (CET) and two established neuropsychological measures of executive functioning (Trailmaking A & B, and Advanced Progressive Matrices). We found moderate evidence of concurrent validity for the FPT but not for the CET.

**E**

## Scale Development and Construction of the Perceived Emotional Support Inventory

RORY REID, RICHARD MILLER, AND SHANNON HATCH, Brigham Young University

Although several measures of social support exist, this scale focused on aspects of experience related to perceived emotional support. The scale was normed with college students and was compared to an outpatient community mental health clinic sample. Clinical applications for use of this scale are explored and discussed.

**F**

## Testing for Measurement Invariance of the PAAS across Active and Sedentary Populations

LAURA CARPENTER, ASHLEIGH MAYER, RENE NILSSON, SARA ANNE TOMPKINS, SARAH SCHMIEGE, AND ANGELA BRYAN, University of Colorado at Boulder

The Physical Activity Affect Scale (PAAS) was tested with 167 adults (92 active, 75 sedentary) to evaluate its appropriateness for comparing self-reported exercise-induced affect across active and sedentary groups. Failure to establish weak measurement invariance indicates that the PAAS may not suitably compare mood states across distinct groups.

**G**

## Development and Reliability Testing of a Marital Conflict Scale

DOUGLAS C. ANDERSON, SHAELENE ASHBY, GREG AULLMAN, HEATHER MALMBERG, AND KERSTIN E. E. SCHRODER, Utah State University

A scale measuring Marital Conflict was developed and tested for reliability. 156 participants were given questionnaires by students and asked to indicate how their relationship rated on this scale. Cronbach's Alpha was determined to be 0.914.

**H**

## The Effects of Three Light Conditions on Performance and Alertness in an Air Defense Operations Center

MONICA S. HERRERA<sup>1</sup>, SARAH K. TAUBER<sup>1,2</sup>, AND JEFF DYCHE<sup>1</sup>;  
<sup>1</sup>USFAFA, <sup>2</sup>University of Colorado, Colorado Springs

Twenty-two active duty military personnel at the Northeast Air Defense Sector (NEADS) were exposed to 3 light conditions during their night shifts. Physiological and subjective data were collected; and studies suggest that exposure to these lighting conditions should significantly affect performance, mood, and subjective sleepiness.



**I****Schedule of Calls and First Period Performance: A Retrospective Analysis**

NINA YACOVONE<sup>1</sup>, SARAH TAUBER<sup>1,2</sup>, AND JEFF DYCHE<sup>1</sup>; <sup>1</sup>USAFA,  
<sup>2</sup>University of Colorado, Colorado Springs

Effect of class start time on academic performance at USAFA was examined using archival data from first period class GPAs for various academic years. The data was examined to determine if an earlier start time will have a negative impact on cadet's GPAs in first period classes.

**J****Assessment of Class Start Time on Sleep and GPA in USAFA Cadets**  
KAILIN M. TUSCANO<sup>1</sup>, SARAH K. TAUBER<sup>1,2</sup>, MATTHEW YANAGI<sup>1</sup>, AND  
JEFF DYCHE<sup>1</sup>; <sup>1</sup>USAFA, <sup>2</sup>University of Colorado, Colorado Springs

The effect of start times on amount of sleep and GPA were examined. Cadets (N = 800) were surveyed, and 20 cadets wore actigraphs and maintained sleep diaries. Preliminary data reveal that senior cadets slept more than all others; it is expected that later start times will yield higher GPAs.

**K****Comparison of Sleep Habits between US Air Force Academy Cadets and  
French Air Force Academy Cadets**

TYLER STREIT<sup>1</sup>, SARAH TAUBER<sup>1,2</sup>, MATTHEW YANAGI<sup>1</sup>, AND JEFF  
DYCHE<sup>1</sup>; <sup>1</sup>USAFA, <sup>2</sup>University of Colorado, Colorado Springs

We examined sleep habits of 10 French Air Force Academy cadets using actigraphy and surveyed approximately 100 French cadets on their sleep habits. We then will repeat these actions at USAFA and compare. Data will delineate the similarities and differences between sleep habits for American military members and our allies.



## **RMPA Invited Panel of TEACHING GURUS**

*WILLIAM MCKEACHIE*, University of Michigan

*DAVID G. MYERS*, Hope College

*FRANK VATTANO*, Colorado State University

*Friday 4:30 – 5:30 pm*

*Event Center 1*

Moderator: Doug Woody, Univ. of Northern Colorado

These professors have been teaching for a combined total of 147 years! Come hear them discuss teaching challenges, victories, and advice for teaching undergraduate psychology in the 21st century.

## **Psi Chi/ Physio/ Neuro/ Perception Posters**

Poster Session, Friday, 4:30 – 5:30 pm, Event Center 3/4

### **A**

Unable or Unwilling? The Role of Affiliation Motivation and Self-Stereotyping in Men's Empathic Accuracy

KARYN LEWIS AND JESSI L. SMITH, Montana State University

This study examined men's motivation for empathic accuracy. Men who were randomly assigned to relive a rejection experience from their in-group (versus their out-group, or no rejection) showed improved empathic accuracy when the test was characterized as gender-appropriate compared to gender-inappropriate. The situational nature of men's empathic accuracy is discussed.

### **B**

The Effects of Divorce on Adult-children of Divorce

BARBARA A FIORI, Metropolitan State College of Denver

The effects of divorce on adult-children of divorce were compared to adult-children of intact homes by measuring self-esteem, anxiety, and relationship regarding attachment-related anxiety and avoidance. One hundred forty three college students completed questionnaires. Results indicated that there were no differences between the two groups in the areas measured.

**C**

Finding Time for Fairy Tales: How Reading Children's Literature Contributes to Stress Reduction in College Students

BRADLEY MCCONNELL, CHARLENE PATE, AND DANIEL JENKINS,  
Point Loma Nazarene University

Reading children's literature for fifteen minutes correlates with reduction in anxiety levels in college students. Fifty-five students were evaluated on anxiety levels, read children's literature for fifteen minutes and were re-evaluated again after the reading. The findings that anxiety level was reduced were statistically significant at the .01 level.

**D**

Body Image and Perceived Male Body Attractiveness throughout the Menstrual Cycle

LEAH M. JAPPE AND RICK M. GARDNER, University of Colorado at Denver and Health Sciences Center

Body image perception, dissatisfaction, and male body-type preference were examined in three menstrual cycle phases. Thirty females were administered figural scales measuring ideal male body composition and psychophysical tests assessing body image. Perceived and ideal body size evaluations and male muscularity and fat mass preferences were unaffected by cycle phases.

**E**

2D:4D and Physical Fitness: Evidence for the Mediating Effects of Prenatal Androgens on Sexually Selected Traits

ALAN LENZ AND RACHEL HOLMAN, Texas A&M University - Corpus Christi

The relationship between finger digit ratios and direct measures of physical fitness were compared in 40 undergraduates. Participant's digit ratios, body composition, body-fat covariates, and performance on a cardiovascular step test were all assayed. Results implicate the significant effects of organizational prenatal androgens in relation to physical fitness.

**F**

Effects of Neonatal E. coli Infection on Microglial Proliferation and Neurogenesis in the Hippocampus

SARAH M. YOUNG, SONDR A. T. BLAND, STACI D. BILBO, LINDA R. WATKINS, AND STEVEN F. MAIER, University of Colorado at Boulder

To explore effects of neonatal infection on glial proliferation and neurogenesis in the developing rat hippocampus, E. coli was introduced with the proliferation marker BrdU on postnatal day 5 (P5). At P6, microglial cell proliferation was measured. Long-term effects on microglial and astroglial proliferation and neurogenesis were examined at P33.

**G**

The Effect of Suppressing Emotional Expression on Vagal and Cardiac Sympathetic Activation

MICHAEL DEVINE, DEJANA TINTOR, DAVID HERRING, MICHAEL FEIRSTEIN, DALILA PAZ, AND MARY H. BURLESON, Arizona State University

The effects of instructions to conceal emotional expressions on vagal and cardiac sympathetic activation were examined. Seventy-three students viewed negative, neutral, and positive slides; half were instructed to conceal their facial expressions. Neither vagal activation nor cardiac sympathetic activation varied as a function of these instructions.

**H**

Lateralized Differences in Emotion Perception as a Function of Hostility and Stress

GINA MOLLET<sup>1</sup> AND DAVID HARRISON<sup>2</sup>; <sup>1</sup>Adams State College, <sup>2</sup>Virginia Tech

The effects of hostility and stress on cerebral activation during an emotional perception task were examined. Thirteen high and thirteen low hostile men completed an emotional dichotic listening task before and after exposure to a cold pressor. Results indicated reduced cerebral laterality for emotion perception in high hostile men.

**I**

The Differences in Functional Abilities of Patients with Alzheimer's Disease and Vascular Dementia

GEORGE DANCEL, CARLA BARBALANCE, AND LALEH RAZANI, California State University of Northridge

The difference in everyday functional ability was examined in 53 patients with Alzheimer's and Vascular dementia. The results revealed that Alzheimer's patients outperformed Vascular patients on a shopping task which requires memory skills. The Vascular group outperformed the Alzheimer's group on tasks requiring financial skills which requires reasoning ability.

**J**

Neuroprotective Potential of Methamphetamine

CHRISTY WEEDEN<sup>1</sup>, DAVID POULSEN<sup>2</sup>, AND ALEX BABCOCK<sup>1</sup>; <sup>1</sup>Montana State University, <sup>2</sup>University of Montana

The neuroprotective efficacy of methamphetamine was evaluated using a rodent model of transient cerebral ischemia. Behavioral and histological assessment revealed that this drug can protect the hippocampus following ischemic insult. The mechanism of methamphetamine protection following stroke is currently being investigated.

**K**

The Effects of Voluntary Physical Activity and Enriched Environment on HPA axis Response to Chronic Audiogenic Stress

TARA NYHUIS, SARAH SASSE, CHER MASINI, JESSICA BABB, HEIDI DAY, SERGE CAMPEAU, University of Colorado at Boulder

To determine whether voluntary exercise improves stress adaptation because of the added environmental enrichment or the physical activity itself, the effects of enrichment or activity on adaptation to repeated noise stress in male rats was examined. Stress indices (plasma corticosterone and ACTH) were measured from blood collected after noise exposures.

**L**

Listening to Music: A Descriptive Study

CATHERINE WEIR, Colorado College

One hundred seventy participants reported their last musical experience and why the music was listened to. In general, music was heard while performing other activities (e.g., working, driving). The findings complement those of pager and archival studies in revealing a picture of everyday listening to music by Westerners.

**M**

Do Tattoos Alter Two-Point Touch Discrimination?

M. TODD ALLEN, University of Northern Colorado

Does the process of tattooing alter sensitivity to touch in the skin? A test of two-point touch discrimination on tattooed versus non-tattooed body parts was conducted. For both males and females, tattooed locations had significantly higher thresholds (i.e., less sensitivity) than the opposite non-tattooed locations.

**N**

Organic Produce: The Label or the Taste?

JESSICA RUCKER AND SUE KRAUS, Fort Lewis College

Thirty students rated the taste of two samples of apple, one organic and one non-organic. Ten students were lied to about which apples were organic, ten given the truth, and ten given no information. Results suggest that both the organic label and actually being organic elicited higher ratings.

**O**

Do Temporal Judgment Tasks Recruit Working Memory?

JULIE S. BERGEN<sup>1</sup>, CARLY A. YADON<sup>2</sup>, AND DEANA DAVALOS<sup>2</sup>; <sup>1</sup>Metropolitan State College of Denver, <sup>2</sup>Colorado State University

It is under debate whether time perception involves working memory or if they are functionally separate processes. We investigated the potential relationship between working memory and time perception by having sixty-four participants complete four working memory tasks and one time perception task.

## **Law**

Oral Paper Session, Friday, 4:30 – 5:30 pm, Hospitality Suite

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

4:30

The Effects of Apology in Juror Decision Making

HANNAH DIETRICH, University of Colorado at Colorado Springs

The effects of a defendant apology on juror decisions of liability were examined. Two-hundred forty students were asked to read a mock case summary and determine the monetary damages the plaintiff should receive. The study also included intentionality and evidentiary strength as variables influencing the effects of an apology.

4:45

Saliency of Age and Competence for Juveniles Tried as Adults

JOSEPH HAMM, JOSHUA M. STEWART, AND WILLIAM DOUGLAS  
WOODY, University of Northern Colorado

A legally competent defendant can be tried in court, regardless of whether the defendant is marginally competent or clearly competent. This study evaluated jurors' abilities to follow legal mandates to disregard issues of competence and the physical age of the defendant (14 or 24 years) in legal decisions.

5:00

Addressing Courtroom Stress

MONICA MILLER, DAVID FLORES, AND ASHLEY DOLEZILEK, University of Nevada, Reno

Both judges and jurors experience stress in the courtroom because of busy schedules, gruesome evidence, acts of violence, and publicity. Stress can negatively affect mental and physical health and can affect legal decision-making. Causes and effects of stress, along with existing interventions are reviewed. Recommendations for reducing stress are also offered.

5:15

The Effect of False Fabricated Evidence on the Elicitation of False Confessions

SKYLER STAATS AND LYNN H. WHITE, Southern Utah University

In a conceptual replication of Kassin and Kiechel's 1996 experiment, we examined whether different types of false fabricated evidence (physical evidence vs. eyewitness accounts) are more likely to elicit internalized false confessions under vulnerable and non-vulnerable conditions. Results will be presented at the conference.

## Personality Assessment

Oral Paper Session, Friday, 4:30 – 5:30 pm, Conference Room 7

Moderator: RANDYL D. SMITH, Metropolitan State College of Denver

4:30

Anthropomorphism and the Ideal Self in Relation to Originality

MIKE SCHOGER, SARAH TORGERSON, CAROLINE JAMISON, GOSIA PASTUSIAK, AND JAKE BENFIELD, Colorado State University

This study examines driver characteristics in order to find the root of vehicle anthropomorphism and understand its impact on driver responsibility. 192 students were surveyed to determine the effects of anthropomorphic attributes to automobiles and whether these attributes best describe the driver's actual self or ideal self.

4:45

Personality, Aggression and Delinquency: Correlates of Externalizing Behavior in Adolescence

JULIE DEEDS, Metropolitan State College of Denver

Correlations between a variety of adaptive and maladaptive personality traits and non-aggressive, aggressive and delinquent youth were examined. Eighty-six male students were administered personality inventories and were measured on 14 different subscales. As expected, the non-aggressive group held more adaptive personality traits while the aggressive and delinquent group revealed more maladaptive personality traits.

5:00

Selective Attention in Self-Critical Perfectionism

KATHRYN GUESS AND MELISSA CANGIALOSI, Metropolitan State College of Denver

Selective attention to self-critical stimuli by Self-Critical Perfectionists was examined. Thirty-three students completed a perfectionism measure and two interference tasks, each containing self-critical and control words. Self-critical perfectionists found more self-critical words on a word search than non-perfectionists; there was no difference between the two groups on a word scramble.

5:15

Perils of Partialing

JEFF ELISON<sup>1</sup>, TAMARA FERGUSON<sup>2</sup>, ELIZABETH DANSIE<sup>2</sup>, AND MELISSA HAYCOCK<sup>1</sup>; <sup>1</sup>Southern Utah University, <sup>2</sup>Utah State University

Undergraduates (n=255) completed the Test of Self-conscious Affect, Aggression Questionnaire, and Balanced Inventory of Desirable Responding. Results of a series of multiple regressions indicated the negative relationship between guilt and aggression, and the positive relationship between shame and aggression, reversed when impression management was controlled, implying problems with TOSCA validity.

# PSI CHI Awards Ceremony And Social Hour

*Friday, 6:00 - 8:00 pm*

*Location: Hospitality Suite*

**Host:**

**MELANIE DOMENECH RODRIGUEZ,**

Utah State University,

Rocky Mountain Regional Vice-President of Psi Chi



Psi Chi awards will be presented during this session. For a complete list of winners, see page 139.



# worth publishers

Please Join Us for Hors D'oeuvres,  
Beverages and great conversation!



*What:* Reception for RMPA faculty and  
guests

*Guest of Honor:* Dave Myers

*Where:* Sheraton Denver Tech Center  
Denver, CO

*Room:* Conference Rooms 9, 10, patio

*When:* Friday, April 13 6:00-8:00 p.m.

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



**Top Ten Things  
To Do Friday Night in Denver**



# SATURDAY ACTIVITIES

---

## Community Psychology 1

Oral Paper Session, Saturday, 8:15 – 9:00 am, Conference Room 9

Moderator: SUSAN BECKER, Mesa State College

8:15

Predictors of the Placebo Effect in a Double-Blind Sham Surgery Controlled Trial

EMILY FAZIO, EILEEN CHAVES, GINA HARTSOCK, ERIN SULLIVAN, SHIH-MING SHIH, AND JENNIFER CASPARI, University of Denver

A double-blind placebo surgery trial was implemented to determine the effect of transplantation of dopamine cells into the brains of 20 Parkinson patients. Twenty patients received sham surgery; the double-blind was maintained for 12 months. Because the placebo effect was very strong in this group, this study will examine predictors of the placebo response.

8:30

Response to Wildfire in Rural Community

MARY JO CARNOT, DEB STEWART, SCHAEFFER SUSAN, AND LISA CURTISS, Chadron State College

The psychological impact of a wildfire that threatened a campus and surrounding community was assessed. Eighty-seven individuals participated in a survey that assessed post-fire reactions. Although most people reported low levels of stress, some were more severely impacted, and many reported responses to stress triggers.

8:45

How Powerful is the Placebo: Does It Extend to Caregivers?

GINA HARTSOCK, ERIN SULLIVAN, EILEEN CHAVES, SHIH-MING SHIH, EMILY FAZIO, AND CYNTHIA MCRAE, University of Denver

A double-blind placebo surgery trial was designed to determine the effectiveness of transplanting neural tissue into the brains of persons with advanced Parkinson's disease. The blind was maintained to 12 months. Patients and caregivers were assessed at baseline, 4, 8, and 12 months after surgery. This study examined placebo treatment effects on caregiver ratings.



# Developmental Posters

77

Poster Session, Saturday, 8:00 – 9:00 am, Event Center 3/4

## A

A Qualitative Analysis of Relational Aggression amongst 7th Grade Girls  
BRITNEY G. BRINKMAN<sup>1</sup> AND KANDIE G. BRINKMAN<sup>2</sup>; <sup>1</sup>Colorado State University, <sup>2</sup>University of Utah

Relational aggression and conflict avoidance in a group of 7th grade girls was examined. Eleven seventh grade girls filled out measures of self-esteem and self-efficacy and responded to open-ended questions about their experiences of relational aggression.

## B

Parent-child Relationship Satisfaction and Parental Religiosity  
SHANNON WELCH-GROVES<sup>1</sup> AND BASILIA SOFTAS-NALL<sup>2</sup>; <sup>1</sup>University of Northern Colorado, <sup>2</sup>University of Northern Colorado, School of Applied Psychology and Counselor Education

The influence of parental religiosity on the reported levels of parent-child relationship satisfaction was explored. The secondary analysis utilized national data from the Marital Instability Over the Life Course Series, which consisted of 2,033 respondents. Hierarchical multiple regression analyses revealed maternal religiosity significantly influenced the relationship.

## C

Effects of Study Abroad on the Identity Formation Process  
KELSEY CLARK, KARLEE WOSTREL, HOLLY IRWIN-CHASE, AND GINA ROBERTSON, Point Loma Nazarene University

A group of 81 students were examined to determine the effects of study abroad and cultural immersion on development of ego identity. The Extended Objective Measure of Ego Identity Status assessed students in both a control group and an experimental group of study abroad students in a pre- and post-test format.

## D

Parenting Style in Saudi Arabia

FARIS ALANIZI AND STEVEN PULOS, University of Northern Colorado

The generalizability of Diana Baumrind's four parenting styles to parents in Saudi Arabia was investigated with Shilkret's modification of the PAQ. The instrument was translated into Arabic and administered to 500 students in Saudi Arabia. Confirmatory and exploratory factor analysis was used to investigate the responses for mothers and fathers separately.

## E

The Longitudinal Influences of Hearing Status on the Quality of Mother-Infant Interactions and Intuitive Parenting Behaviors during Free Play  
EVE LAHTI-HARPER, University of Montana

The impact of infant age and mother-infant hearing status on intuitive parenting behaviors and sensitivity during play interactions was examined. Videotapes were analyzed for 63 participants in one of four hearing status groups at three infant ages. Play interactions appeared to be influenced by both age and hearing status.

## **F**<sub>78</sub>

### Portrayals of Older Adults in Magazine Advertisements

SERENA ENKE AND JENNIFER C. DALY, Colorado State University

Portrayals of older adults in the advertisements of four current magazines were examined. Areas of investigation were ad theme, ratio of women to men, ratio of older adults to other adults, and ratio of visible ethnic/racial minority to other adults. Statistical analysis determined that ad theme was independent of sex.

## **G**

### Behavioral Maturation of Individuals with Agenesis of the Corpus Callosum

RONALD E. CRAMPTON AND GLENA L. ANDREWS, Northwest Nazarene University

The effects of maturation on behavioral and emotional symptoms of children with ACC were investigated. Behavioral profiles from a sample of 1½ to 14 year olds were repeated after 4 years. Symptoms remained stable. Special education may prevent symptom increase but does not appear to decrease symptoms over time.

## **H**

### How Gender and Self-Esteem Impact Death Anxiety across Adulthood

BRENDA JACKSON, Northwest Nazarene University

The impact of gender and self-esteem on death anxiety in adulthood was studied. Death anxiety and self-esteem scales were administered to 136 young, middle-aged, and old adults. Older adults had lower death anxiety than young adults, and females had higher death anxiety than males. Self-esteem correlated negatively with death anxiety.

## **I**

### Caregivers' Behavior and Attitudes Regarding Their Children's Learning in Children's Museums

TERRY JACOB BLACK, MONICA GUZMAN, AND ERIC AMSEL, Weber State University

Caregivers visiting a local children's museum were categorized as either Engaged or Disengaged in interactions with their child. They were also asked about the nature and extent of their museum activities with their children. Engaged caregivers spent more time in active learning activities with their children, which was associated with higher ratings of learning.

## **J**

### Why My Friendships are Better: Structural Analysis of Male and Female Friendships in Late Adolescence

JANETT NAYLOR<sup>1</sup>, MICHAEL BEESLEY<sup>1</sup>, AND BRIDGET MURPHY<sup>2</sup>; <sup>1</sup>Fort Hays State University, <sup>2</sup>Metropolitan State College of Denver

Using exploratory factor analysis, the factor structure of Male-Male, Male-Female, Female-Female and Female-Male friendships were examined in 200 late adolescents. F-F and F-M friendships are similar in structure regardless of the friends' gender; however, M-M and M-F friendship structures differ based on the friends' gender.

**K**

Gender and Age Differences in Self-reported Academic Performance  
Among At-risk Children

STEFANI R. DAVIS AND RAYMOND K. YANG, Colorado State University  
Academic performance among at-risk children did not duplicate gender and age differences found in past research of typical samples. Neither gender nor gender-by-age interaction were significant predictors of self-reported math, language, and science performance. Age significantly predicted math performance.

**L**

Breaking Through Barriers and Stigmas: Alternative Methods for Reaching  
High School Dropouts of the South Western United States  
NATHAN BRYAN, Fort Lewis College

A qualitative study on high school dropouts involvement with adult educational programs was studied. Observations, collections of documents, and oral interviews were compared with current research to determine the success such facilities have upon motivating their clients. A more comprehensive understanding of dropouts along with methods for personalizing material were created.

**M**

The Effects of Age on Recognition of Emotional Expressions

JEF WEST, R. ELISABETH CORNWELL, DEV ASHISH, AND HASKER DAVIS, University of Colorado at Colorado Springs

The effect of age on recognizing emotional expressions was examined in participants 18-89 years using the Animated Full Facial Expression Comprehension Test. Participants labeled expressions as happy, sad, fear, anger, disgust, or surprise. The elderly demonstrated difficulty identifying the emotions fear, anger, and sad, but excelled at identifying disgust.

**N**

The Connection between Attachment Quality and Psychological Distress  
COURTNEY MILES, ANNALISE TABLAK, COURTNEY PEARCE, VANESSA PARRA, AND JOHN WU, Point Loma Nazarene University

Reliable and valid measures of attachment and psychological distress will be administered to approximately three hundred students. This will allow us to explore the relationship between attachment and psychological functioning.

**O**

Race and the Double Standard for Aging

ERIN TRACY, Colorado State University

Stereotypes of older adults were examined in terms of both gender and race. The degree of overlap between attributes generated for seven target groups was computed. Gender-related correlations were significant and greater than race-related correlations.

# **Environmental Symposium**

## *Environmental Psychology*

*Saturday 8:30 am – 10:10 am      Conference Room 10*

**PAUL A. BELL**, Colorado State University, Moderator

**Creating Home: Factors Related to the Establishment and Transfer of Property**

JACOB BENFIELD, WILLIAM SZLEMKO, SARAH TORGERSON, MICHAEL SCHOGER, AND CAROLINE JAMISON, Colorado State University

Territory has been a topic of interest for several disciplines including psychology. Generally, the focus has been on classifying types of territory or describing behaviors. Information related to the psychology of territory creation and transfer is less prevalent. This project utilized focus groups to explore those two processes in territoriality.

**Pleasure and Learning in the Museum Environment: The Influence of Need for Sensory Experience and Need for Cognition on Knowledge Attainment and Enjoyment**

ROBERT JAKUBOWSKI<sup>1</sup>, JACOB BENFIELD<sup>1</sup>, WILLIAM SZLEMKO<sup>1</sup>, ROSS LOOMIS<sup>1</sup>, AND ROBERT PICKERING<sup>2</sup>; <sup>1</sup>Colorado State University, <sup>2</sup>Buffalo Bill Historical Center

The Need for Sensory Experience (NSE) and Need for Cognition (NC) were investigated within a museum environment. Eighty-nine visitors were tracked through a museum and given a follow-up survey. Results indicate that visitors scoring higher on NSE reported more enjoyment and more knowledge attainment than high scoring NC visitors.

**Urban And Rural Differences In Helping Behavior: It Depends On Who's Asking For Help**

BRINDI UTEMARK AND RICK MILLER, Univ. of Nebraska at Kearney

Differences between urban and rural helpfulness to different types of requestors were examined. High-school students responded to one of nine helping scenarios and completed an attachment scale. Individuals from rural areas were more likely to help than were urban residents in most situations. Gender, attachment, and relationship to the requestor also affected helping.





### Preferred Campus Landscapes

HEATHER COX, PAYAL PATEL, CARA PETRELL, AND BRITTON MACE,  
Southern Utah University

Restoration effects of and attachment to campus landscapes were examined. Fifty students were surveyed about their favorite places on campus. Photos of the most mentioned places were taken and compared, along with the survey answers, for similarities and differences. Outdoor natural settings were most commonly mentioned as places of refuge.

### Effect of Presence of Wild and Domestic Animals on Landscape Assessment

GRETCHEN SCHORRE AND PAUL BELL, Colorado State University

The effect of animal presence in wilderness and pastoral landscapes on preferences was examined. One hundred students were administered preference rating scales and asked to indicate their preference of different pictorial slides. Results indicated that there was no innate preference of landscapes with animals and that wilderness landscapes were preferred over pastoral landscapes.

## Psi Chi

Oral Paper Session, Saturday, 8:30 – 9:00 am, Hospitality Suite

Moderator: MELANIE DOMENECH RODRIGUEZ, Utah State University

8:30

### The Effects of Therapeutic Massage on Replenishing Self-Regulatory Strength: A Pilot Study

NICHOLAS CUCCIA, SALLY ANNE HAYNES, KATIE HETTINGER, CHRISTOPHER AGUILAR, AGATHA NSAMENANG, JEAN HILL AND IAN WILLIAMSON, New Mexico Highlands University

The effects of therapeutic massage on replenishing self-regulatory strength were examined. Nineteen participants performed an experiment that depleted self-regulatory strength, followed by a therapeutic massage or a filler task. The dependent measure was a timed anagram task. As predicted, the massage group spent more time trying to solve the anagrams.

8:45

### Psi Chi Members' Satisfaction and Involvement with Research

KRISTINA MCDUGAL AND MELANIE DOMENECH RODRIGUEZ, Utah State University

Psi Chi members are relatively dissatisfied with the research opportunities available through Psi Chi. Psi Chi students and faculty advisors were surveyed to assess the extent and satisfaction of student involvement in research activities through Psi Chi, as well as knowledge of local, regional, and national resources to support research involvement.

Oral Paper Session, Saturday, 8:00 – 9:00 am, Conference Room 5/6

Moderator: MICHAEL LEFFEL, Point Loma Nazarene University

8:00

Relationships and Territoriality: Do we “Own” the People we Know?  
SARAH TORGERSON, MIKE SHOGER, CAROLINE JAMISON, JAKE BENFIELD, AND WILL SZLEMKO, Colorado State University

In this study, territorial behaviors in interpersonal relationships were explored. Two focus groups were conducted to investigate whether participants would demonstrate specific territorial behaviors within various types of primary relationships. The resulting data provided support for relationships being conceptually similar to other types of territory.

8:15

Peer Attachment and Empathy in Collectivists and Individualists  
GARY GUYOT AND LILIA UTU, Regis University

Students from America and Costa Rica were compared on peer attachment and empathy. Costa Ricans reported significantly less peer attachment and empathy than Americans. This is similar to our previous studies with Japanese and Americans.

#### **PSI CHI AWARD WINNER**

8:30

Is There Really Such a Thing as Looking Guilty?

SKYLER STAATS AND JEFF ELISON, Southern Utah University

This study examined whether there are distinct facial displays for shame and guilt. Undergraduates (n = 101) viewed silent video images of actors retelling stories of shame-free guilt and guilt-free shame situations. Chi-square and binomial tests revealed that participants chose several emotion labels (above chance) to describe the facial expressions.

8:45

The Effects of Profile Manipulation on Short or long Term Mate Selection  
In Personal Ads

MELISSA GUTIERREZ, ELIZABETH HINOJOSA, MIKE ULLO, JASMINE LAMONE, COLIN TRIERWEILER, AND RON SALAZAR, San Juan College

This study examined the effects of photographs and written profiles on long-term or short-term mate selection. Preliminary data suggests that men are more likely to choose their potential LTM or STM based on the photograph alone whereas women are more likely to change mate selection based on what is written in the profile.



## Community Psychology 2

Oral Paper Session, Saturday, 9:10 – 10:10 am, Conference Room 9

Moderator: CYNTHIA MCRAE, University of Denver

9:10

Evaluating a Program Designed to Deter Underage Drinking Among College Students

SUSAN BECKER AND JESSICA ELLIOT, Mesa State College

Underage college students are vulnerable to a number of consequences associated with drug and alcohol use. Consequences include getting ill, fighting, DUI's, poor school performance and engaging in unplanned sex. We found programs designed to deter underage drinking are only effective if they are responsive to the campus culture

9:25

Project Self-Discovery: A Long-Term Follow-Up Study of the Effects of Artistic and Coping Skills Instruction for High Risk Youth

HARVEY MILKMAN, BILL HENRY, TYGHE BOONE-WORTHMAN, RUSSELLE BUCHHOLZ, HEATHER HEYSE, AND MYA IZZOLENA, Metropolitan State College of Denver

Project Self Discovery [PSD] (1992 - 2002) offered at-risk teenagers (n=1,500) the opportunity to learn positive coping skills while developing their artistic talents. The purpose of this study is to determine the extent and kinds of benefits that may have resulted from varying degrees of participation in PSD (i.e., completions, dropouts, graduate students).

9:40

The Relationship between Gratitude and Wellness

DANIELLE KAHLO, SARAH GILLINGHAM, AND DAVID GONZALEZ, University of Northern Colorado

The relationship between gratitude and wellness was examined. Fifty students were administered gratitude (GRAT-R) and wellness (5f-Wel), inventories. Significant relationships were found between levels of gratitude and measures of wellness.

### **PSI CHI AWARD WINNER**

9:55

Development of the Latina Breast Cancer Screening Scale

PATRICIA GONZALEZ, MATT JARAMILLO, LYNDIE LEE, MONICA ROSALES, AND PHILLIP TATUM, Colorado State University

The goal of this study was to develop the Latina Breast Cancer Screening Scale (LBCS) to measure the cultural health beliefs that influence screening behaviors among Latinas. Confirmatory factor analyses helped reduce the scale by identifying those items that best tapped into the latent constructs of interest.

**8 Association for Psychological Science  
Presents  
William James Lecture**

*The Hidden Life of Infants*

We would like to thank the  
Association for Psychological Science  
for their sponsorship of this presentation.

**Carolyn Rovee-Collier**  
Rutgers University



*Saturday 9:10 – 10:10 am*

*Event Center 1*

Moderator: Robert Rycek, University of Nebraska at  
Kearney

Young infants spend most of their waking moments just looking around. In the process, they form relatively enduring associations between objects and events they see together as well as between the memories of absent objects and events that are simultaneously triggered by what they see. This process produces a mammoth explosion of the early knowledge base. Because most of this knowledge will always remain latent, we can never even begin to guess what infants really know.

## Developmental

Oral Paper Session, Saturday, 9:10 – 10:10 am, Conference Room 5/6

Moderator: ERIC AMSEL, Weber State College

9:10

Utilizing Stories and Discussion to Promote Character Development in Preschoolers

CHERYL SANDERS, Metropolitan State College of Denver

The effects of storytelling and discussion on preschoolers' character development were examined. Preschoolers were exposed to one of three experimental conditions: listening to a story either with or without discussion involving a character trait, or listening to a control story. Assessment of character trait understanding revealed significant differences between the groups.

9:25

The Impact of Age on the Use of Prosody and Estimation of Communication Effectiveness

SARAH TAUBER, LORI JAMES, AND PAULA ADKINS, University of Colorado, Colorado Springs

We tested the effects of aging on communication ability by examining the use of prosody in producing ambiguous sentences. Older adults demonstrated better communication through prosody than young adults, but older adults also overestimated their communicative effectiveness to a greater extent than young adults.

9:40

I'm a Believer: Sustaining Myth in the Face of Logic

LAURA MANUEL AND KAREN CRAWFORD, Metropolitan State College

Twenty young adults were interviewed about mythical figures and how they realized they were not real. These adults described parental support for beliefs which prolonged the myths. Piaget proposes children gradually arrive at adult logic and should cease to believe at about 7, an earlier age than reported by most participants.

9:55

Attachment to Friends: Developing a New Model of Adult Attachment

MELISSA HOUSER AND RONALD D. WELCH, Colorado Christian University

Two hundred sixty-eight students at a Christian university were surveyed to develop a new model of adult attachment to friends. Multiple regression analyses indicate significant, negative relationships between insecure attachment and hope, self-disclosure, and relationship satisfaction. Discriminant analysis should further support these factors in a model of adult attachment.

## **PSI CHI Distinguished Lecture**

*Steven C. Hayes*

University of Nevada Reno

### ***Acceptance and Commitment Therapy: Model, Data, and Implications***

*Saturday 9:10 – 10:10 am*

*Event Center 2*

Moderator: Melanie Domenech Rodriguez, Utah State University

Acceptance and Commitment Therapy, one of the so-called “third wave” CBT interventions, implicitly challenges the idea that we need to detect, dispute, and change negative cognitions. In this talk I will explain ACT and the new theory of cognition that underlies it. I will show how the data being generated suggest that it is the function of cognition (and private experience more general), not its form, frequency, or situational sensitivity, that best predicts psychopathology, and will present evidence that changes in these functions mediate successful treatment in ACT. If these conclusions are correct, a fundamental transformation may be underway in the very nature of treatment from a cognitive-behavioral model.

## ***Psi Chi Conversation Hour***

*Friday, 10:20 – 11:20 am*

*Hospitality Suite*

*With*

*Steven C. Hayes*

University of Nevada Reno



Come on by and visit with our invited speaker in an informal setting.

## **RMPA Invited Speaker**

Angela Bryan

University of Colorado Boulder

### *Sex, Drugs, And Detention: Reducing Alcohol- And Marijuana-Related HIV/STD Sexual Risk Behavior Among High Risk Adolescents*

*Saturday 10:20 – 11:20 am*

*Event Center 2*

Moderator: Diane Martichuski, University of Colorado Boulder

Compared to the general adolescent population, adolescents involved with the criminal justice system engage in risky levels of sexual behavior and are subsequently at increased risk for unintended pregnancy and STDs/HIV. Recent data from our research suggest that heavy alcohol use in concert with sexual activity is most strongly related to lack of condom use. A theory-based HIV/alcohol risk reduction intervention, targeted to incarcerated adolescents, was designed, implemented, and evaluated in a randomized controlled trial. Results demonstrated greater condom use behavior at long-term follow-up in the combined intervention compared to both other conditions. Importantly, however, our data and data from other regions of the country suggest that marijuana use may be even more prevalent than alcohol use among criminally-involved adolescents. Further, we and others have shown that marijuana use may also increase the probability of risky sexual behavior. Thus, it is important to understand if an intervention also targeting marijuana use as well as alcohol use might be even more effective.

## Physiological Psychology

Oral Paper Session, Saturday, 10:20 – 11:20 am, Conference Room 5/6

Moderator: M. TODD ALLEN, University of Northern Colorado

### PSI CHI AWARD WINNER

10:20

Behavioral Consequences Following Aav Mediated Hippocampal Eaac1 Knockdown

KATIE M. COOMBS<sup>1</sup>, MIKE KAVANAUGH<sup>2</sup>, DAVE POULSEN<sup>2</sup>, AND A MICHAEL BABCOCK<sup>1</sup>; <sup>1</sup>Montana State University, <sup>2</sup>COBRE Center for Structural and Functional Neurosciences, The University of Montana  
The present study investigates memory deficits produced by blocking the glutamate transporter EAAC1. Rats were tested in a delayed matching-to-place watermaze task to examine spatial memory. Rats that were intrahippocampally injected with an EAAC1 antisense mRNA sequence exhibited shorter latencies to locate the target platform relative to controls.

10:35

Methods for Visualizing Depleted Uranium in the Mouse's Brain

JAMIE BABUTZKE, University of Nebraska at Kearney

This project describes the methodology used to visualize the deposition of depleted uranium (DU) in the CNS of the mouse using histologic methods. Mice were exposed to DU at concentrations of 0 or 75mg/L, anesthetized and perfused. Similar sections from control and experimental brains were compared for intensity of staining.

10:50

Risk Factors for Low Macular Pigment Optical Density and Related Eye Diseases: A View across Ethnicities

JORDAN ELLIOTT AND JOSE E. NANEZ, SR., Arizona State University

Included is an overview of the literature regarding macular pigment optical density and an empirical study evaluating mitigating factors of MPOD levels.

11:05

The Role of Spatial and Selective Attention in the Perception of Bistable Images

CLEA STALMASTER, Colorado State University

Twenty-four subjects were shown a revised Necker Cube and indicated which direction they perceived the cube. Differences found indicate some role of spatial attention in perception of bistable images.





## **APA SYMPOSIUM**

### ***Debt, Salary, and Career Data in Psychology: What You Need to Know***

*We would like to thank APA for their  
sponsorship of this symposium.*

*Saturday 10:20 – 11:20 am*

*Conference Room 10*

Moderator: NANCY KARLIN, Univ. of Northern Colorado

Presenter:

WILLIAM PATE II, American Psychological Association Assistant Director of the APA Center for Psychology Workforce Analysis and Research

The most recent national level data on employment, salaries, and debt of those trained at the bachelors, masters, and doctoral levels will be presented. Discussion will include the impact of forces external to psychology (i.e., shifting demographics, managed care), and offer tips for marketing yourself and succeeding in job searches.

## **Philosophy/ Education/ Sports/ Personality Posters**

Poster Session, Saturday, 10:20 – 11:20 pm, Event Center 3/4

### **A**

An Analysis of the Exercise Dependence Scale

ERIN TRACY AND KATHRYN RICKARD, Colorado State University

Symptoms of primary exercise dependence were related to scores on the Addictiveness Scale and scores on the Obsessive-Compulsiveness Scale. Results indicate that the DSM-IV criteria for substance dependence are differentially useful for assessing primary exercise dependence.

### **B**

The Motyl Unconventional Beliefs Scale: Validation of an Instrument for Assessing Paranormal and Conspiratorial Beliefs

MATTHEW MOTYL, University of Colorado at Colorado Springs

The Motyl Unconventional Beliefs Scale was developed to assess paranormal and conspiratorial beliefs. Good internal consistency was demonstrated by the overall scale (Cronbach's  $\alpha = .86$ ), paranormal beliefs subscale (Cronbach's  $\alpha = .85$ ), and conspiratorial beliefs subscale (Cronbach's  $\alpha = .74$ ). Excellent test-retest reliability was demonstrated.

**C**

Parenting Styles that Influence Academic Achievement in Hispanic College Students: A Preliminary Study between Mothers and Fathers

LAURA G. LARA AND STEVEN PULOS, University of Northern Colorado

The effects of mothers' and fathers' parenting styles on Hispanic students' academic achievement were examined. Five students were interviewed to determine the impact that their parent's parenting styles had on their academic success and their willingness to complete and graduate from college.

**D**

Comparative Analysis between Bilingual and Monolingual Students' Performance on State Standardized Test Scores

NICOLE EBERLE, Colorado State University

The study is a comparative analysis of state standardized test scores for students in one bilingual school and two monolingual schools in Northern Colorado. The study found no statistically significant differences between the schools. This research adds to the growing body of literature that attempts to clarify the advantages and disadvantages of bilingual education.

**E**

Parental Interview Evaluation of Parents Challenge

SARAH K. TAUBER, NOELLE BALLIET, SHANNON MCNIECE, KELLI KLEBE, AND ROBERT DURHAM, University of Colorado at Co. Springs

Parents Challenge (PC) is an entrepreneurially funded program in Colorado designed to provide alternative educational options to low income parents of school-age children. The impact of PC was evaluated via parental interviews revealing relatively few differences between public and private school support and an overall high satisfaction level with PC.

**F**

The Locus of Focus: Attentional Strategies in the Acquisition of Sensorimotor Skills (Follow-up)

JASON SVEDIN, JONIE COULSON, AND STEPHEN WEISS, Adams State College

This follow-up study examined the effects of attentional strategies on sensorimotor skills. One-hundred participants were administered Masters Reinvestment Scale, assessed on dart throwing accuracy utilizing an internal/external focus. Results: Encouraging individuals to adopt an internal strategy is counterproductive in complex sensorimotor tasks.

**G**

Meme Replication and Mutation

DAVID MARKHAM, Colorado State University

Memes are the smallest unit of information that moves between people. A model was developed that attempts to examine the how memes move and change. This approach allows new ways of studying how thoughts and ideas get created and transferred.

**H**

## Sex and Ethnicity Differences on the Sport Fan Motivation Scale

N. CLAYTON SILVER<sup>1</sup>, HELEN ZAIKINA<sup>1</sup>, YANI DICKENS<sup>1</sup>, RICK STEVENS<sup>2</sup>, RACHEL A. VANTHOMMA<sup>2</sup>, AND AMBER ST. MARTIN<sup>2</sup>; <sup>1</sup>University of Nevada, Las Vegas, <sup>2</sup>University of Louisiana, Monroe  
 Sport fan motivation is a multidimensional construct. Four hundred seventy-eight undergraduates completed the Sport Fan Motivation Scale. Asians scored higher than Caucasians and African-Americans on the economic subscale. African-Americans scored lower than Caucasians and African-Americans on the group affiliation subscale.

**I**

## Effects of Religiosity and Gender on Perceptions of Academic Plagiarism

RONA J. MCCALL, NICOLE GROSS, AIMEE MOLINE, AND SAMANTHA CONN, Regis University

The effects of religiosity and gender on perceptions toward academic plagiarism were examined. 200 participants assessed the seriousness and intentionality of the plagiarism offense, suggested a punishment and completed religious salience and religious commitment surveys. Males judged females less harshly in terms of seriousness, responsibility, and gave more lenient punishments.

**J**

## The Effects of Student and Instructor Personality on Teaching Ratings and Course Evaluations

CAROL PATRICK, MELISSA BARB, ANDREA HAHN, AND BRITTANY PARKER, Fort Hays State University

The purpose of the current study was to examine whether Big Five personality traits relate to teaching ratings and course evaluations at the college level. Extraversion, openness, agreeableness, and conscientiousness (whether assessed by the student or the instructor him/herself) were found to be favored in instructors, whereas neuroticism was not.

**K**

## Positive Personal Characteristics Predicting Health Controlling for the Big Five and Demographics

KENDRA ANDERSON, CINDY COSPER, MANDIRA FELDVEBEL, LEANN SOMMERS, DIANA SMITH, AND BRUCE SMITH, University of New Mexico

The effects of positive personal characteristics (optimism, empathy, spirituality, resilience, purpose in life, and mindfulness) in predicting outcomes were examined in 300 undergraduates. When controlling for the Big Five and demographics, positive characteristics (especially mindfulness and optimism) accounted for additional variance in anxiety, depression, physical symptoms, stress, and positive affect.

**L**

## Perceptions of Teacher Bullying

CHRIS BABB, TIFFANY LEIGH, LARA BARLOW, JUSTIN GREENER, AND HEATH EARL, Southern Utah University

The perceptions of bullying by teachers towards undergraduate students were examined. One hundred forty one students were administered Bullying Survey A and asked to report on personal experiences of bullying in the classroom both directly and indirectly by teachers. Female and LDS participants showed higher perceived bullying scores.

**M**

## Achievement Motivation and Self-Construals: A Within-Culture Examination

MARTIN LANIK, JULIA NOVITSKI, AND STACY SALMON, Colorado State University

Relationships between 17 facets of achievement motivation and independent and interdependent self-construals were examined within the US culture. Results suggested that most facets reflect personal rather than social achievement motives and relate differently to independent and interdependent self-construals. Insights into the achievement tendencies of interdependently oriented individuals are provided.

## **RMPA JOB SYMPOSIUM**

### ***Geropsychology: Why Young Professionals Work with Older Adults***

*Saturday 10:20 – 11:20 am*

*Conference Room 9*

Discussant: SARA QUALLS, Univ. of CO at CO. Springs

Panelists:

KATE MARTIN, LIZ ASTA, KRYSTLE BALHAN, KATE FITZ-PATRICK, LINDSAY SHARP, SYDNEY FELKER, Colorado State University

The purpose of the present symposium is to encourage psychology students and young professionals to consider working with an older adult population. Focus will be given to career opportunities with geriatric populations within the field of psychology, clinical and research options with older adults, and challenges involving ageism and social justice. The discussant, Dr. Sara Qualls, a professor and director of the UCCS Gerontology Center, will share her thoughts on young people working with older adults.

## **Diversity Committee presents**

### **Film Screening and Discussion**



#### *Journey to a Hate Free Millennium*

Sponsored by Western Equality

*SATURDAY 11:30 am – 1:00 pm*

*See Message Board for Location*

Everyone is invited to this film screening, where we will have a light lunch, watch the film, and then participate in a guided discussion of the film led by Camille Cary from Western Equality.

Brief Description of film:

#### **Journey to a Hate Free Millennium**

This documentary explores hate crimes in America, featuring insightful looks at the Columbine shootings, the dragging death of James Byrd Jr., and the Matthew Shepard murder.

CSU  
THING

## Cognitive Psychology

Oral Paper Session, Saturday, 1:00 – 2:00 pm, Conference Room 5/6

Moderator: JAMES NOLAN, Southwestern College

### **PSI CHI AWARD WINNER**

1:00

Seductive Detail Effects on Neighboring Items

DANIEL FLOREZ<sup>1</sup>, MARC RICHARD<sup>2</sup>, AND BENJAMIN CLEGG<sup>2</sup>; <sup>1</sup>Colorado State University - Pueblo, <sup>2</sup>Colorado State University

Seductive detail effects on neighboring items were examined. Participants viewed facts individually before free-recall. Traditional seductive detail effects were not observed; however, recall of the item preceding the seductive detail decreased significantly. Implications of a sequential presentation format are discussed.

1:15

The Effects of Video-Game Evoked Emotional Arousal on Memory for Expository Texts

BRIAN OPPI, KAREEMA MATTSON, PATRICK BUSH, AND CHAD MORTENSEN, California State University, Chico

The effects of emotions evoked by video game play on memory were examined. Participants read a magazine article, played one of three video games, responded to an affective questionnaire, and took a multiple choice test on the reading materials. Results are discussed in terms of sex differences and game-related arousal differences.

1:30

The Effects of Meditation and Physical Exercise on Cognitive Functioning  
 ABBY BODILY, REBECCA BERNAS, SCOTT TUCKFIELD, AND AZENETT GARZA, Weber State University

The effects of physical exercise and/or meditation on cognitive functioning were examined. Sixty students were randomly assigned to one of four groups: physical exercise, meditation, combination, or control. Participants were tested in three areas of cognitive functioning. Meditation alone or with physical exercise was found to improve visual memory abilities.

1:45

The Effects of Emotions on Boundary Extensions

SARA BRADY, LANAY MANKER, AND BECKY THOMPSON, University of Nebraska at Kearney

Boundary extension is a type of memory distortion in which individuals tend to recall more or less of a photographic scene than was actually displayed. The purpose of our study was to measure the degree of boundary extension that participants exhibited based on happy, sad, and neutral photographs. Results will be discussed.

## **RMPA Distinguished Lecture**

C. Daniel Batson  
University of Kansas

### *Moral Motivation: Integrity or Hypocrisy?*

*Saturday 1:00 – 2:00 pm*

*Event Center 2*

Moderator: Nancy Karlin, University of Northern Colorado

Why do people act morally – when they do? Moral philosophers and psychologists often assume that acting morally in the absence of incentives or sanctions is a product of a desire to uphold one or another moral principle (e.g., fairness). I call this form of motivation “moral integrity” because the goal is to actually be moral. In a series of studies designed to explore the nature of moral motivation, colleagues and I have found little evidence of moral integrity. We have found considerable evidence of a different form of moral motivation – moral hypocrisy. The goal of moral hypocrisy is to appear moral yet, if possible, avoid the cost of being moral. To fully reach the goal of moral hypocrisy requires self-deception, and we have found evidence of that as well. If hypocrisy is the operative moral motive, commonly suggested strategies for encouraging moral behavior are likely to be largely ineffective.

## **Psi Chi Symposium**

### **How to tackle the IRB**

*Saturday 1:00 – 2:00 pm*

*Hospitality Suite*

Moderator: Pamela Ansburg, Metropolitan State College of Denver

Presenter: AARON S. RICHMOND, University of Nevada Reno

For students, the process of submitting a dissertation or thesis proposal to the local Institutional Review Board can be daunting and confusing. It also signals a level of research engagement that is exciting. There are four important issues to keep in mind as you prepare for your first submission: 1) your timeline; 2) the IRB process; 3) common pitfalls; and 4) communication with the IRB and your advisor.



## Perception and Performance

Oral Paper Session, Saturday, 1:00 – 2:00 pm, Conference Room 10

Moderator: CATHERINE WEIR, Colorado College

1:00

Electrophysiological Correlates of Perceptual Reversals for Three Different Types of Multi-stable Images

TREVOR DAVIS, MICHAEL PITTS, AND JANICE NERGER, Colorado State University

Electrophysiological recordings were made to investigate whether differences in signature components (P1, N1, selection negativity) would be revealed during perceptual reversals of three different multi-stable figures.

1:15

The Locus of Focus: Attentional Strategies in the Acquisition of Sensorimotor Skills

STEPHEN WEISS<sup>1</sup>, ARTHUR REBER<sup>2</sup>, AND DAVID OWEN<sup>2</sup>; <sup>1</sup>Adams State College, <sup>2</sup>Brooklyn College

The effects of different types of focusing strategies on complex motor skill learning were investigated. In Experiment 1, a basketball-shooting task was employed while the second experiment utilized a dart-throwing task. Also investigated was the influence that an individual's preference for a strategy would have on their performance.

1:30

Predicting Differences In Individual Learning And Performance In A Motor Skill Task

WILLIAM D. RAYMOND, CAROLYN J. BUCK-GENGLER, ALICE F. HEALY, AND LYLE E. BOURNE, University of Colorado at Boulder

Aggregate skill trial practice sometimes results in increased speed and decreased accuracy, but individual learning and performance show different patterns. This study uses data from a simple motor task to explore individual variation and how performance may predict differences in learning, task disengagement, execution strategy, and the speed-accuracy trade-off.

1:45

Emotional Reactions and Perceptions of Facial Expressions

PAULINE JOHNSON<sup>1</sup>, KENNETH R. BROUSSEAU<sup>2</sup>, AND MICHAEL A. WEBSTER<sup>1</sup>; <sup>1</sup>University of Nevada Reno, <sup>2</sup>Decision Dynamics, LLC

The purpose of this study was to assess the relationship between emotional traits and perceptions of facial expressions. The general hypothesis was that individuals would perceive emotions in others that they themselves experience more often. Results suggested this is true for anger, but the opposite relationship was found with happiness.

## ***RMPA DIVERSITY SYMPOSIUM***

### ***Minority Students Speak Out: Messages to Faculty About the College Classroom Experience***

*Saturday 1:00 – 2:00 pm*

*Conference Room 9*

Moderator: SUSAN BECKER, Mesa State College

Panelists:

JESSICA ELLIOTT, Mesa State College

LANAE SQUIRES, Mesa State College

MARK ADAOAG, Mesa State College

This symposium is designed to give college faculty an insiders look at how minority students feel in their classrooms. Student participants will inform faculty about their classroom experiences and concerns. Student presenters will address how faculty expectations and stereotypes affect their ability to be successful in college. Additional students are welcome to participate.

## **Clinical/ Substance Use/Abuse/ Psychopathology Posters**

Poster Session, Saturday, 1:00 – 2:00 pm, Event Center 3/4

### **A**

Genotype by Prenatal Alcohol Treatment Effects on Occipital Bone Ossification and Rib Number

DAVID GILLIAM<sup>1</sup>, CHRIS DOWNING<sup>2</sup>, CATLIN WILSON<sup>1</sup>, JOSH KOSKE<sup>1</sup>, MICKEL OLSON<sup>1</sup>, AND NATE VALDEZ<sup>1</sup>; <sup>1</sup>University of Northern Colorado,

<sup>2</sup>University of Colorado

True-bred and reciprocally-bred ILS and ISS mice and B6 mice were exposed to ethanol or maltose-dextrin on day 9 of gestation. Exposure to ethanol resulted in less occipital bone ossification across all genotypes and increased rib number in both reciprocally-bred genotypes.

**B**

The Effects of NMDA Receptor Antagonism in the Cerebral Ventricles

ELIZABETH M. ATWOOD<sup>1</sup>, KRISTINA A. UBAN<sup>2</sup>, DAVID ALBECK<sup>1</sup>, DOROTHY YAMAMOTO<sup>1</sup>, AND RICHARD M. ALLEN<sup>1</sup>; <sup>1</sup>University of Colorado at Denver and Health Sciences Center, <sup>2</sup>University of British Columbia, Vancouver

Sprague-Dawley rats were used to measure the effects of acute and continuous intracranial administration of an NMDA receptor antagonist (LY235959) on cocaine self-administration under various schedules of reinforcement and access conditions. Our data support the hypothesis that cocaine escalation is mediated by a hypo-glutamatergic state in the central nervous system.

**C**

Adult ADHD and Personality Disorders: Differential Comorbidity Among its Subtypes

BRIAN CAHILL AND FREDERICK COOLIDGE, University of Colorado at Colorado Springs

This study examined ADHD subtypes and personality disorders in adults. Data from 3090 inmates were studied. The results of this study appear to reveal that there may be differential comorbid rates of PD's among the ADHD subtypes.

**D**

Pre-doctoral Interns' Reflections on Supervisory Training

MICH SUYAMA, RACHEL CROOK-LYON, LYNDA SILVA, AND JENNIFER PRESNELL, Brigham Young University

A questionnaire evaluating supervision training in graduate programs and pre-doctoral internship sites was completed by 233 interns. Results indicated that 72% of interns reported having supervised at least one trainee, although only 39% had completed a graduate course on supervision. The number of mentored supervision hours predicted interns' supervisory self-efficacy.

**E**

Treatment Choice and Therapeutic Outcomes for Pathological Gamblers

JEFFREY A. RINGS, SUSAN L. BENNETT, BARBARA VOLLMER, J. MICHAEL FARAGHER, AND KARIN DITTRICK-NATHAN, University of Denver

A collaborative treatment planning model was implemented to investigate therapeutic effectiveness among pathological gamblers. Ten subjects chose a therapeutic modality by which to receive treatment. The results indicated that collaborative treatment planning shows promise for the building of strong therapeutic relationships, increased therapeutic gains, and a reduction of gambling behavior.

**F**

Perceptions of the Intermodal Transportation Industry Related to Recruitment and Retention

KAREN PHILBRICK AND PATRICK SHERRY, University of Denver

Four hundred and forty-seven participants responded to a questionnaire designed to assess perceptions of the intermodal transportation industry related to recruitment and retention. Questions included factors that assess career choice, occupational values, Holland's RIASEC career typology, knowledge and desirability of industries defined by the Dictionary of Occupational Titles, and demographics.

**G**

2D: 4D & Depression: Evidence for the Mediating Effects of Prenatal Androgens on Clinical Depression

ALAN LENZ, Texas A&M University - Corpus Christi

The relationship between finger digit ratios, other testosterone-related covariates and scores on a clinical depression inventory were investigated in 41 students. Participants were assayed using a number of measurements. Strong associations were detected between traditional and alternative digit ratio measurements, testosterone-related covariates and scores on the BDI-II.

**H**

Family of Origin and Sibling Impact on Social Support in Adult Friendships

HEATHER SHULTE<sup>1</sup> AND BASILIA SOFTAS-NALL<sup>2</sup>; <sup>1</sup>Larimer County Mental Health, <sup>2</sup>University of Northern Colorado

The purpose of this study was to test the influence of sibling warmth, family of origin emotional health, and gender on the experience of social support in adult friendships. A significant relationship between warm relationships for siblings and the experience of social support in friendships was found in opposite gender adult friendships.

**I**

Holland Personality Types and Academic Achievement: An Examination of the Predictive Pattern

WILLIAM D. BEVERLY AND ROBERT A. HORN, Northern Arizona University

Holland asserts that educational achievement follows a specifically predicted personality order (I,S,A,C,E,R). The current study, examined Holland's primary personality code types for college males and females. Cumulative grade point averages and ACT-Composite scores for each type served as criterion indices. Findings provide mixed support for Holland's prediction.

**J**

## Group Therapy with Latinos

CARLA PALLARES, Colorado State University

The strengths and weaknesses of group therapy for the Latino population were investigated. The barriers to maintaining Latinas in treatment were examined. The importance of group leaders' sensitivity through an awareness of socio-cultural values was emphasized. Action-oriented and behavioral groups were to be most effective among Latina clients.

**K**

## All But Dissertation Stress among Counseling and Clinical Psychology Students

KRISTA BRIDGMON AND WILLIAM E. MARTIN, Northern Arizona University

An instrument was created to measure stress factors associated with being "All But Dissertation" (ABD) among counseling and clinical psychology doctoral students. Low dissertation chair structure, low interest in research activities, high current stress level, and experience of a relational break-up significantly predicted higher ABD stress among the participants.

**L**

## Efficacy of Group Therapy for Eating Disordered Populations: A Review

SAMANTHA STRIFE, JENNIFER DALY, AND ERIN TRACY, Colorado State University

An extensive review of literature related to the efficacy of group therapy for individuals with eating disorders was conducted. Emphasis was placed on Cognitive Behavioral and Interpersonal Process therapy groups. Overall, results indicated group therapy is associated with improved eating patterns for individuals coping with Anorexia and Bulimia.

**M**

## Retirement and Subjective Well-Being: A Past Review and Future Vision

LINDSAY SHARP, Colorado State University

A review of relevant literature was conducted on the effects of retirement on an individual's subjective well-being. Based on this review, considerations for clinicians working with retirees should include: economic resources, marital relationships, and personal resources, such as socioeconomic status, health, and personality characteristics.

**N**

## Age Discrimination in the Workforce: Implications for Career Counselors

SYDNEY FELKER, Colorado State University

This paper first reviews the contemporary literature on age discrimination in the workforce. Topics discussed include attitudes towards older workers, job performance, cross-cultural differences and methods for combating ageism in the workplace. Secondly, this paper provides suggestions and techniques for counselors working with an older employee.

**O**

The Effects of Interventions for the Victims of Child Sexual Abuse: A Developmental Perspective

TOSHIKAZU KURODA, Utah State University

The effects of interventions for victims of child sexual abuse were investigated. Effect sizes from 18 experiments classified in terms of the participants' age group and their diagnosis were examined. Directive treatments appeared to be effective in children, whereas various forms of treatments were effective in adulthood.

**P**

Art Activities Reduce Perceived Stress in Resident Assistants

JAMIE HOLWERDA, NATALIE NAYLOR, JADA BURGESS, AND LORI MCKINNEY, Colorado Christian University

Resident advisors at a small Christian liberal arts university participated in art activities and journaling activities during RA staff meetings. Perceived stress levels were measured before and after the activities. Stress levels decreased following the art activities, but increased following journaling.

## **Community /Health Posters**

Poster Session, Saturday, 2:10 – 3:10 pm, Event Center 3/4

**A**

The Interest of Breast Cancer Survivors for a Follow Up Care Plan and Psycho-Social and Support Services after Treatment

KIRSTEN E. MARTIN, DEREK R. ANDERSON, JEAN SCHLELSKI, NANCY DEARDORFF, ELISE SPAIN, AND KRISTIN M. KILBOURN, University of Colorado at Denver and Health Sciences

Breast Cancer survivors were asked to rank their degree of interest in Cancer Follow Up Care and psycho-social services that could be provided by a Cancer Survivorship Center. Responses from 331 attendees at the 2006 Day of Caring Conference were evaluated to determine what aspects of follow-up care were most valued by participants.

**B**

A Content Analysis of Salient Issues Related to Rural Inhalant Abuse

JAMES WOOD AND RUTH EDWARDS, Colorado State University

Inductive, then deductive content analyses were applied to two data sets, examining issues related to inhalant abuse. A sample of 160 interviews was analyzed inductively, then 10 focus groups were deductively analyzed using the hypotheses from the inductive analysis. All hypotheses were supported with content analysis and Chi-square results.

**C**

## A Grounded Theory Analysis of Rural Inhalant Abuse

JAMES WOOD AND RUTH EDWARDS, Colorado State University

The qualitative, inductive method of Grounded Theory was utilized to examine the understudied phenomenon of inhalant abuse in rural America. The sample included 160 interviews and 10 focus groups with ethnically diverse participants. The primary finding was that participants had little awareness of inhalant abuse, particularly in their communities.

**D**

## The Relationship among Body Image, Nutrition, and Body Weight in a Rural Population

BRETT CARTER, GEORGE HAYNES, AND WES LYNCH, Montana State University

The obesity epidemic is an increasing problem in the US. In order to assess the factors associated with this epidemic, studies across the US need to be conducted. The aim of this research is to examine the relationship between body image, nutrition, and BMI in a rural population.

**E**

## Reducing Illness in Infants: Effects of Infant Massage

VONDA KAY JUMP, LAURAMICHELE GARDNER, AND LOGAN SMITH, Utah State University

Seventy-eight mother infant dyads were randomly assigned to participate in either Infant Massage or rocking their infants for fifteen minutes each day. Daily symptoms were recorded for four months.

**F**

## Effects of an Exercise Intervention Program on Caloric Intake in Sedentary Adults

ASHLEIGH MAYER, LAURA CARPENTER, RENEA NILSSON, SARA ANNE TOMPKINS, AND ANGELA BRYAN, University of Colorado at Boulder

The relationship between an exercise intervention and caloric intake was examined. Sedentary adults were asked to complete a 3-Day food diary during a larger study that randomized participants into an exercise or control intervention. Caloric intake was recorded at baseline and 6-month follow-up. Both groups decreased caloric intake over time.

**G**

## Perceived Attitudes and Beliefs Toward Teenage Pregnancy Among Criminally-involved Youth

LYNETTE SMITH, KATY SEALS, SARAH SCHMIEGE, AND ANGELA BRYAN, University of Colorado at Boulder

Criminally-involved adolescents' (n = 151) own attitudes and perceptions of parental attitudes toward teenage pregnancy were examined. Gender differences were observed in response to a hypothetical pregnancy scenario within one's immediate family, and perceptions of parental support were relatively low. Findings are discussed in terms of implications for behavioral interventions.

**H**

Identifying Patterns of Risky Sexual Behavior, Marijuana Use, and Alcohol Use Among Criminally-involved Adolescents Using Latent Profile Analysis

SARAH TAYLOR, MICHAEL LEVIN, SARAH SCHMIEGE, AND ANGELA BRYAN, University of Colorado at Boulder

Associations between marijuana use, alcohol use, and risky sexual behavior were explored among n=435 criminally-involved adolescent participants using latent profile analysis. Rather than a general relationship between substance use and risky sex, there appear to be conditions specific to groups of individuals that may underlie observed associations among these variables.

**I**

Resilience as a Predictor of Anxiety, Depression, Stress in Cardiac Rehabilitation

EMILY ARCHULETA, PAMELA BRYAN, SYLWIA GUTIERREZ, ROBERT NEWELL, AMANDA ROBINSON, AND BRUCE SMITH, University of New Mexico

The effects of positive characteristics (self-efficacy, optimism, resilience, purpose in life, active coping, social support) in predicting anxiety, depression, and stress were examined in 75 patients in cardiac rehabilitation. Using multiple regression, resilience predicted less anxiety, depression, and stress, social support predicted less anxiety, and active coping predicted less depression.

**J**

Effects of Cardiac Rehabilitation on Health Behaviors and Psychosocial Risk Factors

PAULETTE CHRISTOPHER, GRACE BOLANOS, GABRIEL MONTHAN, LAURA BOULDIN, MELVINA BISSONETTE, AND BRUCE SMITH, University of New Mexico

The effects of cardiac rehabilitation on health behaviors and psychosocial risk factors for heart disease were examined. Thirty-five patients were examined before and after a 12-week cardiac rehabilitation program. There were decreases in dietary fat, depression, and perceived stress and increases in fruits and vegetables, positive emotions, and stress-related growth.

**K**

Predictors of Improved Health in a Mindfulness Meditation Intervention

EMILY ARCHULETA, LILA CHAHROUDI, SHEENA GONZALES, M.L. MATHES, BRIAN SHELLEY, AND BRUCE W. SMITH, University of New Mexico

The predictors of improved health were examined in a Mindfulness-Based Stress Reduction intervention. Twenty-five community participants were assessed before and after the intervention. There were decreases in anxiety, depression, perceived stress, and physical symptoms. Increased mindfulness and self-acceptance predicted less anxiety and depression and increased resilience predicted less perceived stress.



**L**

Effects of a Psycho-Educational Intervention on Medical Patient Preference for Resuscitation

SHARON SEARS<sup>1</sup>, JULIA WOODWARD<sup>2</sup>, AND ROBERT TWILLMAN<sup>3</sup>; <sup>1</sup>Fort Lewis College, <sup>2</sup>Duke Univ. Med. Center, <sup>3</sup>Univ. of Kansas Med. Center  
 This original empirical study examined effects of a psycho-educational intervention on patients' knowledge, concern, and preferences for cardiopulmonary resuscitation (CPR). As predicted, participants initially underestimated CPR complications and overestimated survival rates. The intervention significantly improved knowledge and decreased preference for CPR, particularly for participants receiving both numerical and descriptive information.

**M**

Career Decision-making Self-efficacy of Rural College Students

HEATH MARRS, CAROLINE FOX, MAGGIE ELLIS, ERIN RYAN, TERRA UPHAM, AND AMANDA ROLES, Fort Hays State University

This study examined career decision-making self-efficacy among rural college students. Sixty-five students from a small, rural Midwestern university completed the Career Decision-Making Self-Efficacy Scale - Short Form (Betz & Taylor, 2001). Rural students scored significantly lower than a normative sample on each of the five CDMSE subscales.

**N**

Drive for Muscularity in First-Year College Males

CARLA M. DAVEY, University of Utah

First-year college males were administered the Drive for Muscularity Scale to determine the levels of the drive for muscularity in incoming students. First-year males showed elevated levels of the drive for muscularity, but the results did not differ by race.

**O**

"I Wish That I Had Worked Harder To Save My Marriage": Predictors Of Divorced Individuals' Regret For Their Divorce

CHRISTINA DANKO<sup>1</sup>, ELIZABETH ALLEN<sup>1</sup>, SCOTT STANLEY<sup>2</sup>, HOWARD MARKMAN<sup>2</sup>, AND CHRISTINE JOHNSON<sup>3</sup>; <sup>1</sup>University of Colorado at Denver, <sup>2</sup>University of Denver, <sup>3</sup>Oklahoma State University

Predictors and correlates of individuals' regret for their divorce are explored by using an existing sample of 3,344 community adults that were previously interviewed via telephone. Factors associated with regret and how regret affects certain attitudes are discussed in terms of utility for public information and clinical interventions.

**P**

A Longitudinal Examination of Interventions for Family Caregivers of Alzheimer's Disease

SARA ANNE TOMPKINS<sup>1</sup> AND PAUL BELL<sup>2</sup>; <sup>1</sup>University of Colorado,

<sup>2</sup>Colorado State University

Interventions for dementia caregivers can be effective in improving caregiver outcomes, but more longitudinal studies are needed. A psychoeducational training, respite grant, and multicomponent intervention were examined across an 18-month period. Positive outcomes of the three interventions were found at follow-ups in spite of natural declines associated with Alzheimer's.

## **PSI CHI SPECIAL GUEST**

### *Effective Chapter Leadership: Tips from the Psi Chi National Leadership Conference*

Virginia Andreoli Mathie,  
Executive Director, Psi Chi National Council



*Saturday 2:10 – 3:10 pm  
Hospitality Suite*

Chair: Melanie Domenech Rodriguez, Psi Chi Regional Vice President, Utah State University

Dr. Andreoli Mathie, Psi Chi Executive Director, will share ideas that were generated at the National Leadership Conference on effective leadership. She will include a brief summary about the process and outcomes of the NLC. This session focuses on practical tips for being an effective leader.

## ***RMPA President's Symposium***

### ***Responding to the Darker Side of Aging: Cognitive Decline and Death***



*Saturday, 2:10 – 3:10 pm*

*Event Center 1*

Discussant: **NANCY KARLIN**, RMPA President, University of Northern Colorado

Participants:

*Cognition From 5 To 90 Years Of Age: Life Is A Quadratic.*

**HASKER P. DAVIS**, Professor of Psychology, University of Colorado at Colorado Springs.

*Cognitive Impairment Response Model: What We Know, What We See, And How We Respond To Early Signs Of Alzheimer's Disease In Others*

**SARA HONN QUALLS**, Kraemer Family Professor of Aging Studies, University of Colorado at Colorado Springs

*Coping With Awareness Of The Inevitability Of Death In Later Life: A Terror Management Theory Perspective.*

**THOMAS A. PYSZCZYNSKI**, Professor of Psychology, University of Colorado at Colorado Springs

## **Industrial/Organizational Symposium**

*Saturday, 2:10 – 3:10 pm*

*Conference Room 5/6*

Moderator: PATRICK SHERRY, University of Denver

### **360 Degree Performance Feedback Measures: Reliability and Validity of 360-Degree Feedback Tools**

**KELLY KINNEBREW**, University of Denver

Presented will be a review of the studies that have evaluated the validity and reliability of 360-degree feedback tools. Criticisms of these instruments will address rater consistency, rater reliability, and the relationship of multi-source ratings to performance measures. Suggestions for improving the psychometric properties of 360-degree instruments will be offered.

### **360 Degree Performance Feedback Measures: Factor Structure and Concurrent Validity of a 360 Degree Feedback Instrument**

**PAGE MCCARLEY AND PATRICK SHERRY**, University of Denver

Factor analysis of 75 corporate executives and their 765 observers' responses to a 360 degree feedback instrument revealed a unique factor structure for the respective groups. Significant correlations between executives' self-ratings and personality measures were also found. The utility and need for additional validation studies will be discussed.

### **360 Degree Performance Feedback Measures: Ethical Considerations for the Consulting Psychologist/Executive Coach**

**SUSAN BENNETT**, University of Denver

This article examines the ethical use of 360 degree performance feedback measures in the coaching relationship. Considerations include competence in the assessment of feedback, multiple-role relationships, identifying who is the client, knowing who is being helped or harmed as a result of interventions, confidentiality, and informed consent.

### **360 Degree Performance Feedback Measures: Giving Feedback to Narcissistic Managers**

**ANDREW FIELDS, PATRICK SHERRY, AND KATHY GREEN**, University of Denver

This paper presents issues with providing negative feedback to narcissistic individuals using 360-degree feedback tools. First, issues related to narcissistic patterns of responding to feedback are discussed. Second, a model for presenting feedback using psychodynamic theory is presented, along with issues likely to be encountered by the evaluator.

## **Nongender Diversity**

Oral Paper Session, Saturday, 2:10 – 3:10 pm, Conference Room 9

Moderator: DAVID GONZALEZ, University of Northern Colorado

2:10

Effects of National Identity on Attitudes Toward Learning English in Japan

NANCY SULLIVAN<sup>1</sup> AND ROBERT SCHATZ<sup>2</sup>; <sup>1</sup>Texas A&M - Corpus Christi, <sup>2</sup>Metropolitan State College of Denver

We examined the effects of national identity on attitudes towards learning English in Japan. Multiple regression analyses revealed that Japanese patriotism was positively related and internationalism negatively related to attitudes toward learning English. These effects were independent of the perceived instrumental value of English and numerous control variables.

2:25

The Effects of Cultural Traditionalism on Body Image

BRIAN PARRY, ERIN TURMAN, CASSANDRA LAMPLE, JENNIFER KABASAN, ANDREA SANCHEZ, AND MARAN PARRY, San Juan College

The effects of cultural identity on body image will be examined. In particular, cultural identification with the Navajo culture is believed to be negatively related to body dissatisfaction. Three hundred participants will be administered cultural identification and body image scales to evaluate hypothesized relationships.

2:40

The Development and Validation of the Attitudes Toward Transgender Scale

T. RYAN YANKE, KAREN YESCAVAGE, AND MAGGIE REINEKE, Colorado State University at Pueblo

Understanding why transgendered individuals are targets of prejudice and discrimination was the motivation behind developing the Attitudes Toward Transgender Scale (ATTS). Factor analyses were conducted to create this 14-item, uni-dimensional instrument. Both reliability and validity of the ATTS were verified.

2:55

Interpersonal Distance in Social Relationships and Mental Health Outcomes in a GLBT Population

KRISTINA MCDUGAL AND MELANIE DOMENECH RODRIGUEZ, Utah State University

This study examined the subjective experiences of gays and lesbians in social distancing, and the relationship of this variable to depression, the study also included an examination of the role of religion in this distancing process. This study provides empirical support for the link between social support and depression in a GLBT sample.

## **Social/ Developmental Psychology**

Oral Paper Session, Saturday, 3:20 – 4:20 pm, Conference Room 10

Moderator: GARY GUYOT, Regis University

3:20

Lying Through Words or Silence: The Effect of Autonomy on Lying Behavior in Emerging Adulthood

JENNIFER DETLING AND MARK ADAOAG, Mesa State College

A developmental model proposes that reduced lying in college students compared to high school students is a sign of emerging adulthood. Our results suggest college students choose lies of omission, rather than actively lying to parents. This finding might be explained by emerging adults' desire to develop a private life.

3:35

Sex Differences and Life Stressors Faced by College Students

VICTORIA MECHAM, TREVOR TAYLOR, DIANNA RANGEL, TODD BAIRD, AND THERESA KAY, Weber State University

Based on an analysis of the Holmes-Rahe life stress inventory and the use of the National Depression Screening Day screening assessment, we hypothesize in a college setting males will score higher on each assessment. This is derived as males have increased awareness concerning environmental stressors in order to obtain financial security.

3:50

Intergenerational Transmission of Gendered Communication Patterns

JOANNA STURHAHN STRATTON<sup>1</sup>, CYNTHIA MCRAE<sup>2</sup>, AND HOWARD MARKMAN<sup>2</sup>; <sup>1</sup>The University of Colorado at Denver and Health Sciences, <sup>2</sup>The University of Denver

This 20+ year longitudinal study examines the premarital communication patterns and gender roles of parents and their children. The purpose of this study is to examine not only how children learn to communicate, but also how gender impacts the transmission of communication patterns from parent to child.

4:05

Adult Attachment and Domestic Violence in a Nationally Representative Survey

JUSTIN R. VERO AND MARK A. WHISMAN, University of Colorado at Boulder

Results indicated that avoidant attachment was associated with increased risk of perpetrating and being the victim of mild aggression and perpetrating severe aggression, and secure attachment was associated with decreased risk of perpetrating severe aggression. Contrary to predictions, anxious attachment was not significantly associated with the occurrence of domestic violence.

## **Gardner Memorial Lecture**

Mark L. Laudenslager  
University of Colorado Health Sciences Center

### *Spitting in the Wind: From Gorillas to Caregivers*



*Saturday 3:20 – 4:20 pm*

*Event Center 2*

Moderator: Judith Sugar, University of Nevada at Reno

Over the last two decades, saliva hormones as biomarkers have shown an exponential proliferation as applied to clinical populations, healthy populations, and animal studies, particularly in nonhuman primates. This presentation will focus on salivary cortisol as a biomarker of circadian rhythms, stress, and psychopathology in studies from our laboratory and others.

## **Psi Chi Symposium**

### **Riding The Research Rocket: How To Write Grants, Conduct Research, And Get Published**



*Saturday 3:20 – 4:20 pm*

*Hospitality Suite*

Moderator: Pamela Ansborg, Metropolitan State College of Denver

Presenters:

AARON S. RICHMOND, University of Nevada Reno

MELANIE DOMENECH RODRÍGUEZ, Utah State University

Participating in research is an integral part of any undergraduate or graduate career in psychology. Students often provide important support to faculty and advanced students on their research but seldom have the opportunity to carry out their own original ideas. In this symposium the presenters will discuss how to write grants, conduct research from beginning to end, and pursue publication.



## Gender

Oral Paper Session, Saturday, 3:20 – 4:20 pm, Conference Room 9

Moderator: LAURA MANUEL, Metropolitan State College of Denver

3:20

The Conceptualization of Anorexia: The Pro-ana Perspective

SAMANTHA STRIFE AND KATHRYN RICKARD, Colorado State University  
Emphasis was placed on the conceptualization of anorexia within a sample of pro-anorexic websites. The online mission statements that met the selection criteria were systematically analyzed according to the inductive process of Qualitative Content Analysis. Results indicated that pro-ana authors conceptualize anorexia as either a lifestyle or a disease.

3:35

Factors Related to the Differential Enrollment of Men versus Women in Doctoral Engineering Programs

S. AKI HOSOI AND SILVIA S. CANETTO, Colorado State University

This study examined whether women enrolled in doctoral engineering programs were demographically different from their male classmates. Using logistic regression analysis to examine fifteen years of enrollment data, we found that department, start term, and start age were significant predictors of sex. Cultural background may also affect women's enrollment levels.

3:50

Young Women Raised by Single Mothers and Social Comparison

TIFFANY WELBORN AND NANCY KARLIN, University of Northern Colorado

The current research attempts to identify background variables (e.g., GPA), social comparison processes, Total Mood Disturbance Scores and self esteem differences between young women raised by single mothers and young women raised in two-parent homes. Results showed no significant difference between the two groups on mood or GPA, but did show differences in self-esteem.

4:05

Gender of Attacker Affects Sentence Structure in Descriptions of Interpersonal Violence

ALEXANDRA FRAZER AND MICHELLE MILLER, Northern Arizona University

Using a new procedure for eliciting written narratives, we varied the gender of perpetrators and victims in stories about domestic violence. Analyses revealed a significant trend toward increased passive voice for domestic violence by male perpetrators against female victims, but the reverse for violence by female perpetrators against male victims.

# CLINICAL SYMPOSIUM

## State Trait Anger



*Saturday, 3:20 – 5:20 pm*

*Conference Room 7*

Moderator: JERRY DEFFENBACHER, Colorado State University

Tests of State-Trait Anger Hypotheses in Middle Aged Drivers  
SANDRA MONKEN, ADAM SARGENT, AND JERRY DEFFENBACHER,  
Colorado State University

Compared to low trait anger, middle-aged drivers, high anger drivers reported more intense anger while driving, more driving situations elicited anger, and more anger as stress/provocation increased, confirming the intensity, elicitation, and person x situation hypotheses of the State-Trait model.

Aggression and Risky Behavior in Middle Aged Drivers  
ADAM SARGENT, TIMOTHY CORESSEL, JOHN CARSON, AND JERRY DEFFENBACHER; Colorado State University

Compared to low trait anger, middle-aged drivers, high anger drivers generally reported more aggressive thinking, aggressive anger expression, and aggression behind the wheel and more risky behavior, supporting the aggression hypothesis of the State-Trait model and the risky behavior hypothesis.

Tests of State-Trait Anger Hypotheses in Community College Drivers  
LINDSEY NEWNES, SANDRA MONKEN, JENNI GUSTAFSON, CALVIN KEMPER, AND JERRY DEFFENBACHER, Colorado State University

Compared to low trait anger, community college student drivers, high anger drivers reported more intense anger while driving, more driving situations elicited anger, more anger as stress/provocation increased, and greater impact of driving anger, confirming the intensity, elicitation, person x situation, and negative consequence hypotheses of the State-Trait model.

### Aggression and Risky Behavior in Community College Drivers

JENNI GUSTAFSON, ANNE TIMMERMAN, LINDSEY NEWNES, CALVIN KEMPER, AND JERRY DEFFENBACHER, Colorado State University  
Compared to low trait anger, community college student drivers, high anger drivers reported more aggressive thinking, aggressive anger expression, and aggression behind the wheel and more risky behavior and crash-related conditions, confirming the aggression hypothesis of the State-Trait model and the risky behavior hypothesis.

### Anger Intensity and Elicitation in University Student Drivers

MICHAEL ANDERSON, ANNE TIMMERMAN, LINDSEY NEWNES, TRACY RICHARDS, AND JERRY DEFFENBACHER, Colorado State University  
Compared to low anger students, high anger drivers reported more intense anger on a number of measures and three and a half times as many driving situations eliciting coping, confirming intensity and elicitation hypotheses of the State-Trait model.

### Aggression and Risky Behavior in University Student Drivers

JARAD ANDERSON, MICHAEL ANDERSON, JENNI GUSTAFSON, TRACY RICHARDS, AND JERRY DEFFENBACHER, Colorado State University  
Compared to low trait anger university student drivers, high anger drivers reported more aggressive thinking, aggressive anger expression, and aggression behind the wheel and more risky behavior and crash-related conditions, confirming the aggression hypothesis of the State-Trait model and the risky behavior hypothesis.

### Tests of State-Trait Anger Hypotheses in University Student Drivers

JOHN CARSON, JARAD ANDERSON, ADAM SARGENT, TRACY RICHARDS, AND JERRY DEFFENBACHER, Colorado State University  
Compared to low anger students, high anger drivers reported more intense anger and frequent anger, aggression, and risky behavior while driving and greater anger and aggression and less positive coping when visualizing provocations, confirming frequency, intensity, aggression, and reduced coping hypotheses of the State-Trait model and the risky behavior hypothesis.



## Memory

Oral Paper Session, Saturday, 3:20 – 4:20 pm, Conference Room 5/6

Moderator: B. JEAN MANDERNACH, Park University

3:20

The Use of Different Encoding Techniques to Reduce Retroactive Interference

JOHN CUMMING, University of Colorado at Denver and Health Sciences Center

One hundred four participants encoded words based on instructions given by the researcher. A second list was presented to encode in either the same or a different way. Then as many words as possible were recalled from the first list. Retroactive interference was reduced when the lists are encoded differently.

3:35

Encoding Manipulations and Retrieval-Induced Forgetting

DAVID P. YELLS AND STEPHEN C. CANNON, Utah Valley State College

Retrieval-Induced Forgetting (RIF) for abstract nouns was examined under two conditions of initial study and intermediate rehearsal. RIF was observed when initial study and intermediate rehearsal were based on color of items. RIF was not observed when initial study and intermediate rehearsal were based on part of speech.

3:50

The Memory Constriction Hypothesis: Retrospective and Prospective Memory under Time Pressure

CAROLYN J. BUCK-GENGLER, WILLIAM J. BONK, ALICE F. HEALY, AND LYLE E. BOURNE, University of Colorado at Boulder

Time pressure effects on both recent and remote retrospective and prospective memory were examined. Recalling the cue to respond in a special way was worse under time pressure for remote events, but better under time pressure for recent events, providing partial support for a memory constriction hypothesis.

4:05

Unintentional Translation in the Sentence-Level Bilingual Stroop Task

DEANNA M. FIERMAN AND ALICE F. HEALY, University of Colorado at Boulder

Previous research has shown in separate studies both between-language and sentence-level effects in the Stroop task. The present study found little between-language sentence interference in bilinguals. Interestingly, as memory load increased, frequency of errors rose. Most errors consisted of unintentional translation of color words. This finding implies translation is automatic.

Moderator: KAREN FORD, Mesa State College

4:30

Chimpanzee Use of Gesture Sequences During Play

MAUREEN S. MCCARTHY, MARY LEE JENSVOLD, DEBORAH H.

FOUTS, AND ROGER S. FOUTS, Central Washington University

This study examined gesture sequences during play in five captive chimpanzees. The chimpanzees responded appropriately to recipients' attentional states by using tactile and auditory gestures frequently. They also used gesture sequences more when recipients were initially unresponsive. This study supports previous research demonstrating attentional state recognition in chimpanzee gesture use.

4:45

Self-Controlled Responses in Rats Using a Modified Choice Box

JENNIFER BRINEGAR AND ALLEN SZALDA-PETREE, University of Montana

In a self-control (SC) choice study, significantly more SC choices were made using a wheel-running response. A replication using a more terminal acquisition response, lever-pressing as the response type (the current study) with identical apparatus and methodology addresses concerns about the apparatus influencing choice in this former study.

## **RMPA INVITED ADDRESS**

*Back to Basics in Terror Management Theory  
and Research: The Interplay Among Diverse  
Anxiety-Buffering Resources*

**Tom Pyszczynski**

University of Colorado at Colorado Springs

Terror management theory has been used to address a diverse array of questions about the dynamics of human behavior. This work has revealed a wide variety of resources that people use to manage the potential for anxiety that arises from their awareness of the inevitability of death. Given the diverse resources that people use for existential protection, it is incumbent on theorists to specify the determinants of the use of different ways of finding security. This talk will focus on recent developments in specifying which of the many pathways to security different types of people will rely on in particular circumstances.

## RMPA Awards Ceremony and Business Meeting

RMPA Awards Ceremony will occur at 5:30 pm at the beginning of the Business Meeting.



After awards, we will have reports of RMPA Business for 2006-2007.

***Saturday, 5:30 - 6:30 pm Event Center 2 - 4***

**NANCY KARLIN**, University of Northern Colorado, Chair

## RMPA Presidential Reception and Social Hour



***Saturday, 5:30 - 7:30 pm Event Center 2 - 4***

**NANCY KARLIN**, University of Northern Colorado, Host

## **RMPA PRESENTS ONE LAST PRESENTATION**

*The Future Of RMPA, Speciociprocity In Primate Labs, Truthiness Related To College Teaching, And Positive Technopodsoup For The Right-Souled Graduate School Applicant: An Analysis Of The Effects Of Colons On The Length Of Conference Presentation Titles – With A Look Ahead To The Use Of Dashes*

**Saturday 6:30 – 7:00 pm**

**Event Center 2-4**

Moderator/Discussant: MITCHELL M. HANDELSMAN,  
Colorado State Prison

Participants:

WILLIAM WOZNAK, Nebraska Cyber Diploma Mill of Colorado

PAUL BELL, Colorado State University

PATTY BELL, on loan from the “Mostlies” of Fort Collins, CO

CARNAC THE MAGNIFICENT, JR., Affiliation withheld upon request

*Our last presentation is a parody. Come by and enjoy!*

## **RMPA Executive Committee Meeting**

**Sunday, 9 am - 12 pm**

**Boardroom 8th Floor**

**JUDITH SUGAR**, RMPA President  
University of Nevada Reno, Chair

# Journal of Psychological Inquiry

## Call for Papers

### **Procedures for any of the special features sections on the next two pages:**

1. Papers are accepted all year for this journal.
2. All manuscripts should be formatted in accordance with the APA manual (latest edition).
3. Provide the following information:
  - (a) Names, current addresses, and phone numbers of all authors. Specify what address and e-mail should be used in correspondence about your submission,
  - (b) Name and address of your school,
  - (c) Name, phone number, address, and e-mail of your faculty sponsor, and
  - (d) Permanent address and phone number (if different from the current one) of the primary author.
4. Include a self-addressed stamped envelope of proper size and with sufficient postage to return all materials.
5. Send three (3) copies of the a 3-5 page manuscript in near letter quality condition using 12 point font.
6. Include a sponsoring statement from a faculty supervisor. (Supervisor: Read and critique papers on content, method, APA style, grammar, and overall presentation.) The sponsoring statement should indicate that the supervisor has read and critiqued the manuscript and that the writing of the essay represents primarily the work of the undergraduate student.

Send submissions to:

Dr. Richard Miller  
Department of Psychology  
University of Nebraska at Kearney  
Kearney, NE 68849



## 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 where 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.

**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.

For example, 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.

A second example of 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.

## **Psi Chi Journal of Undergraduate Research**

*Psi Chi offers undergraduate students the opportunity to take the final step in the Research process-publication! The National Honor Society in Psychology has inaugurated a national, fully reviewed, quarterly journal dedicated to the publication of undergraduate student research. Submissions are now being accepted for review on an ongoing basis.*

### INSTRUCTIONS FOR CONTRIBUTORS

The Psi Chi Journal of Undergraduate Research encourages undergraduate students to submit manuscripts for consideration. Although manuscripts are limited to empirical research, they may cover any topical area in the psychological sciences.

1. The primary author of submitted manuscripts must be an undergraduate student who is a member of Psi Chi. Manuscripts from graduate students will be accepted only if the work was completed as an undergraduate student. Additional authors other than the primary author may include non-Psi Chi students as well as the faculty mentor or supervisor. Membership verification information for the primary author must be included.
2. Only original manuscripts (not published or accepted for publication elsewhere)
3. All manuscripts must be prepared according to the current Publication Manual of the American Psychological Association.
4. What to submit:
  - a. Four copies of the complete manuscript. Near-letter-quality print is required on all copies. Should you desire a masked (blind) review, make sure that identifying names, affiliations, etc. appear only on the title page and nowhere else on the manuscript, i.e., manuscripts should be reasonably free of clues to the identity of the authors. Footnotes that identify the author(s) should appear on a separate page. You must request masked review.
  - b. Self-addressed, stamped postcard to acknowledge receipt of your manuscript.
  - c. A self-addressed envelope with sufficient postage for the return of your manuscripts when an editorial decision has been reached.
  - d. A sponsoring statement from the faculty supervisor who attests to the following three points: (1) that the research adhered to APA ethical standards; (2) that the supervisor has read and critiqued the manuscript on content, method, APA style, grammar, and overall presentation; and (3) that the planning, execution, and writing of the manuscript represent primarily the work of the undergraduate student.

Submit all articles to:

Dr. Warren Jones, Editor

*Psi Chi Journal of Undergraduate Research*

Department of Psychology

University of Tennessee

307 Austin Peay Building

Knoxville, TN 37996-0900

## RMPA

### 2007 STUDENT PAPER AWARDS

(Winners will be recognized at the RMPA Business Meeting)

Two special review committees read the abstracts submitted by the students for this competition. Thanks are due to **Paul Bell, Ross Loomis, Alice Healy, William Wallace, Joe Horvat, Myra Heinrich, Roger Fouts, Susan Becker, and Michael Wertheimer** for serving on the award review committee, **Roxanne Sullivan** for being Head Judge, and **Steve Barney, Lynn White, Randi Smith, and Rona McCall** for serving on the judge's panel.

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

## RMPA AWARD FINALISTS

**Congratulations to all of these students for  
outstanding papers.**

\*\*\*\*\*

**These awards will be announced at the beginning of the  
RMPA Business Meeting on Saturday at 5:30 pm in  
Event Center 2-4.**

\*\*\*\*\*

**ELIZABETH L. ASTA**  
*Colorado State University*

*Best Practices for Career Counseling with Gay and Lesbian Clients*

\*\*\*\*\*

**IRIS L. MALKA**  
*Derner Institute of Advanced Psychological Studies, Adelphi  
University*

*The Model of Four Connections in a Romantic Relationship*

# **RMPA AWARD FINALISTS (cont.)**

\*\*\*\*\*

**LAURIE A. CHAPIN AND SHANNON L. ALTENHOFEN**

Colorado State University

*An Evaluation Of The Effectiveness Of Programs For The Language  
Development Of Low-Income Children*

\*\*\*\*\*

**WILLIAM J. SZLEMKO, JACOB A BENFIELD, CAROLINE R.  
JAMISON, KELLENE G. WELLS AND JESSICA NAGEL**

Colorado State University

*The Role of Choice Point Behavior in Interventions of Utilitarian  
Physical Activity*

\*\*\*\*\*

**ROBERT D. TILLERY**

University of Colorado at Colorado Springs

*Attributions of Social Responsibility: An Examination Across Social  
Context*

\*\*\*\*\*

**CHRISTY L. ADAMS, CRYSTAL A. SPINDLER, JAMES  
HOLLAND**

University of Northern Colorado

*Differentiating Tower Of Hanoi Performance: Interactive Effects Of  
Psychopathy, Impulsivity, And Modality*

\*\*\*\*\*

**ROBIN KLEVANSKY**

University of Colorado at Denver and Health Sciences Center

*Are Clinical Graduate Students Trained in the Ethics of Research  
and Teaching?*

\*\*\*\*\*

**DAYNA KIMBALL AND LAURA OLIVER**

Metropolitan State College of Denver

*Taster and Nontaster Differences in Attitudes to Chocolate and  
Bitter, Sweet and Cilantro Taste Preferences*

## Psi Chi 2007 Award Recipients

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

Psi Chi would like to honor the following papers for the Psi Chi Student Research Awards for 2007. These papers are dispersed throughout the program in topical sessions, but awards will be given out during the Friday session.

*Impairment in a Delayed Matching-to-Place task following AAV mediated Hippocampal EAAC1 knockdown*

**KATIE M. COOMBS<sup>1</sup>, MIKE KAVANAUGH<sup>2</sup>, DAVE POULSEN<sup>2</sup>, AND A. MICHAEL BABCOCK<sup>1</sup>,** <sup>1</sup>Montana State University, <sup>2</sup>COBRE Center for Structural and Functional Neurosciences

*Stimulant Use Among College Students Experiencing Financial Strain*

**KRISTEN S. MURRAY, JEREMY SHARP, AND LEE ROSEN**  
Colorado State University

*The Relationship between Creativity and Nonclinical Symptoms of Bipolar Disorder in a Sample of College Undergraduate Students*

**ELIZABETH M. GOETTER,** Regis University

*Is There Really Such A Thing As Looking Guilty?*

**SKYLER STAATS AND JEFF ELISON,** Southern Utah University

*Seductive Detail Effects on Neighboring Items*

**DANIEL E. FLOREZ<sup>1</sup>, MARC V. RICHARD<sup>2</sup>, AND BENJAMIN A. CLEGG<sup>2</sup>,** <sup>1</sup>Colorado State University – Pueblo, <sup>2</sup>Colorado State University

*Development of the Latina Breast Cancer Screening Scale*

**PATRICIA GONZALEZ, MATT JARAMILLO, LYNDSIE LEE, MONICA ROSALES, AND PHILLIP TATUM,** Colorado State University



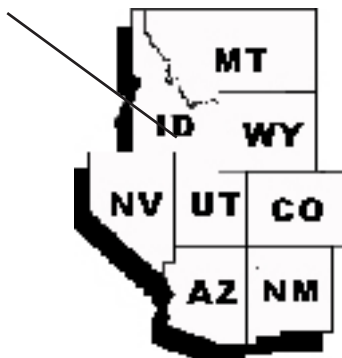
# **SPECIAL PRESENTATION**

**78th ANNUAL  
ROCKY MOUNTAIN  
PSYCHOLOGICAL ASSOCIATION  
CONFERENCE**

**APRIL 10-12, 2008**

**IN BOISE, IDAHO**

COME CHECK US OUT!



## RMPA DISTINGUISHED SERVICE AWARDS

*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 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



## RMPA Convention Sites

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

# Rocky Mountain Psychological Association Presidents (1930-2007)

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

## Rocky Mountain Psychological Association Presidents (1930-2007; cont.)

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	University of Nevada, Reno
	William P. Wallace	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

<b>Time</b>	<b>Event Center 1</b>	<b>Event Center 2</b>	<b>Event Center 3</b>	<b>Event Center 4</b>	<b>Conf Room 7</b>	<b>Conf Room 8</b>
<b>12:00 - 1:00 pm</b>	MacKeechie Keynote Address					
<b>1:00-1:55 pm</b>			Capstone: Course in Psychology	Oral Papers Teaching I		Portraits in Human Sexuality
<b>2:00-2:55 pm</b>			Teaching Take-Out	Oral Papers Teaching II		Teaching Across the Lifespan
<b>3:00 - 3:55 pm</b>			Teaching Take-Out	Academic Integrity	APA Academic Career Workshop	Bridging Research and Teaching
<b>4:00 - 4:55 pm</b>			Promoting Undergraduate Research	Teaching Individuals with Disabilities	APA Academic Career Workshop	
<b>5:00 - 5:55 pm</b>		Kick-Off Reception & Teaching posters				
<b>6:00 -7:00 pm</b>		<b>Dinner</b>				

Friday Schedule:						
DATE/TIME	Event Center 1 (main speakers)	Event Center 2 (main speakers)	Event Center 3/4 (posters, exhibits)	Heap Suite (Pis Chi)	Conf Room 10	Conf Room 5/6 Conf Room 7
8:00 - 8:30			Social/Law/RO		Religion/ Spirituality	
8:30 - 9:00			Social/ Diversity		Personality	Clinical
9:10 - 9:40	Glicky	Hill		Strengthen Your Psi Chi Chapter (Student edition)	ADA presents How to Publish	Substance Use/ Abuse
9:40 - 10:10				Strengthen Your Psi Chi Chapter (Faculty edition)	BLT Supportive Classrooms	Personality/ Measurement
10:20 - 10:50	Strayer				Being a Counseling Center Director	
10:50 - 11:20					lunch break	lunch break
11:30 - 12:00	lunch break	lunch break	lunch break	lunch break	lunch break	lunch break
12:00 - 12:30						
12:30 - 1:00						
1:00 - 1:30	Kenny		Learning/ Memory/ Cognition	Mythbusters: The Academic Edition	Educating Homeless Adolescents	Moral Emotions
1:30 - 2:00						
2:10 - 2:40	Kenny Conversation Hour	Kranz		Roundtable: Make the Most of Your Classes	Technology/ Law	EBL Battling Memory Symposium
2:40 - 3:10						
3:20 - 3:50	Myers	Kranz Conversation Hour	Animal/ Measurement/ Military		Neuro- psychology	
3:50 - 4:20						
4:30 - 5:00	Teaching Exams Panel		Psi Chi/ Physiol/ Neuro/ Perception	Law		Personality Assessment
5:00 - 5:30						
<b>EVENING/ LUNCHEON</b> (for other rooms, see program)				Psi Chi Awards Ceremony 6-8 pm (Heap Suite)	Worth Publishers Social 8:00 - 8:00 (Coal for BLT)	Psi Chi advisors Lunch 11:30 - 1:00 (Sheraton Restaurant)
						Teaching Luncheon 11:30 - 1:00 (Sheraton Restaurant)

<b>Saturday Schedule</b>								
<b>DATE/TIME</b>	<b>Event Center 1 (main speakers)</b>	<b>Event Center 2 (main speakers)</b>	<b>Event Center 3/4 (posters, exhibits)</b>	<b>Heap Suite (Psi Chi)</b>	<b>Conf Room 10</b>	<b>Conf Room 9 (starts at 8:15)</b>	<b>Conf Room 5/6</b>	<b>Conf Room 7</b>
8:00 - 8:30			Developmental			Community 1 (starts at 8:15)	Social	
8:30 - 9:00		Hayes		Psi Chi	Environmental Symposium	Community 2	Developmental	
8:30 - 9:40	Reverse-Cullis							
9:40 - 10:10								
10:20 - 10:50		Byran	Philosophy/ Education/ Spents/ Personality	Hayes Conversations Hour	APA - Dist. Salary, Cancer Data in Psych	Geopsychology	Physiological Psychology	
10:50 - 11:20								
11:30 - 12:00	lunch break	lunch break	lunch break	lunch break	lunch break	lunch break	lunch break	Diversity Video and Discussion with lunch (see Message Bd for location)
12:00 - 12:30								
12:30 - 1:00								
1:00 - 1:30								
1:30 - 2:00		Barson	Clinical/ Substance Abuse/ Psychopathology	How to Tackle the IRB	Perception/ Performance	Minority Students Speak Out	Cognitive	
2:10 - 2:40	President's Symposium		Community/ Health	Effective Chapter Leadership (Aurhsari Mathis)		Marginal Diversity	NO Symposium	
2:40 - 3:10								
3:20 - 3:50		Laudenslager		Hiding the Research Rabbit	Social/ Developmental	Gender	Memory	State Trait Anger Symposium
3:50 - 4:20			Event Center 3/4 closes at 4 pm today					
4:30 - 5:00	Pyszczynski							
5:00 - 5:30						Animal/ Comparative		
5:30 - 7:30		Business Meeting, Awards, President's Reception Presentation: Hambelman, Wozniak, Bell, Bell						

# INDEX OF PARTICIPANTS

Abdul, Paula.....	163	Bell, Paul A. ....	60, 66, 75, 94, 108, 109, 110, 137
Adamson, Phillip J. ....	46	Bender, Sarah.....	79
Aguilar, Christopher .....	81	Benfield, Jacob A. ....	60, 66, 75, 94, 109, 110
Alejano-Steele, Annjanette .....	7, 18, 30, 53, 98, 125	Bennett, Jennifer L.....	57, 137
Allen, M. Todd.....	6, 35, 38, 57, 65	Bennett, Leslee.....	123
Alley, Tom R.....	34	Bensaheb, Arva .....	118
Allred, Greg.....	62	Benz, Joseph.....	21
Alvarez, Lorena.....	57	Berg, Luciane.....	6, 33, 76
Amsel, Eric.....	2, 6, 7, 27, 48, 96, 103, 106	Bienhoff, Jennifer.....	109, 128
Anderson, Benjamin K. ....	41, 90	Billings, Alexis.....	80
Anderson, Michael R. ....	67	Binggeli, Nelson J. ...	6, 82, 107
Andreoli Mathie, Virginia.....	125	Birkett, Catherin E. ....	100
Ansburg, Pamela.....	83, 115	Blair, Josh .....	78
Anton-Stange, Hilary...75, 109, 110		Blankenship, Virginia ...	6, 51, 89
Archibeque, C. J. ....	65	Boardman, R. D. ....	120
Asay, Meghan A. ....	79	Bolejack, Courtney .....	67
Asbrand, James P. ....	79	Bonk, Bill.....	127
Ashby, Shaelene.....	81	Bosgieter, Brooke.....	104
Ashcraft, Mark.....	95	Bourne, Jr., Lyle.....	74, 77, 95, 112
Asmus, Cheryl .....	66	Bradford, Melissa A. ....	122
Ault, John .....	6, 20, 47, 62	Brewer, Russel J. ....	82
Backes, Catherine F.....	93	Brianek, Krista.....	109, 110
Baez, Nicholas E. ....	124, 139	Bridgmon, Krista.....	121
Bagshaw, Kendra .....	52	Brinegar, Jennifer L. ....	52
Bailey, Mary Ann.....	55	Brinkman, Britney G. ....	71
Bailey, Beatle.....	163	Brinkman, Kandie .....	71
Balagna, Ryan.....	43	Brodish, Allison S. ....	126
Balhan, Krystle M. ....	37, 70	Broeker, Anna .....	75
Ball, Desirae.....	41	Brown, Alane S. ....	76
Barlow, Stephanie A. ....	41, 90	Browne, Cameron .....	121
Barnett, Kathy.....	122	Brubaker, Lindsay E. ....	105
Barney, Steve T.....	6, 23, 24, 62, 122	Brunk, Lorissa .....	111
Bartlett, Margaret.....	101	Bryan, Angela.....	107
Barton, Jackie.....	113	Bryan, Richard J. ....	124
Bartz, Jeremy.....	120	Bugg, Julie M. ....	35
Basham, Mark.....	83, 115	Burdette, Rebecca.....	55
Bates, Scott C. ....	42, 94	Burke, Brian L. ....	25, 58
Baxter, Jonathan E. ....	120	Burleson, Kathryn.....	65
Beam, Kristina L. ....	93	Buskist, Bill.....	8, 9, 10, 17, 19
Becker, Susan E. ....	6, 19, 20, 24, 107	Butler, Jeanne.....	21, 22
		Butler, Karin M. ....	99
		Butler, Michelle.....	7, 23, 71
		Cahill, Brian S. ....	44

