Rocky Mountain Psychological Association
April 14-16, 2016
86th Annual Convention
Denver, Colorado
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Location
All regular meetings will be held at The Renaissance Denver Hotel (303) 399-7500. The invited speakers will present in Ballrooms A, B, and C while our break out sessions will be in Big Thompson, Platte River, Durango, Steamboat, Breckenridge, and Cherry Creek.

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

Internet Access
The Renaissance Denver Hotel offers high speed, wireless internet access throughout the hotel. Ask for the wireless password at check-in.

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

Exhibitors
The exhibits are all located in Ballrooms A and B, along with the poster sessions (except for Thursday’s poster session, which is located in Ballroom C). Exhibitors provide support for the RMPA convention and the best way to say “thank you” is with your patronage.

Smoking
The Renaissance Denver Hotel is a non-smoking facility.

Registration
On-site registration will begin on Wednesday. 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.

(continued on page 9)
On-site registration fees

Lifetime members: $75.00
Members:
  Dues paid: $75.00
  Dues not paid: $110.00
Non-members: $135.00
Students/Affiliates* (members):
  Dues paid: $60.00 (student ID required on-site)
  Dues not paid: $75.00 (student ID required on-site)
Students/Affiliates (non-members): $90.00 (student ID required on-site)
Dependents/sig. others** $25.00
  *students, high schoolteachers, and non-PhD attendees
  **not psychologists or psychology students

Membership:
The yearly dues are $35.00 (Paypal) or $40.00 (check) for members and $15.00 (Paypal) or $20.00 (check) for affiliates which includes undergraduate and graduate students as well as secondary school teachers. Non-members who register at the meeting and who wish to join RMPA can get an application form at the registration tables. Member application forms can be obtained at any time during the year from the RMPA website at http://www.rockymountainpsych.org. There is no geographical restriction on membership.

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

- We will try to maintain the program schedule. If presenters are absent, the session will not move other presenters forward in the timetable. Thus, you are assured to hear the presentations you want to attend.
- Enter and exit in-progress sessions quietly and inconspicuously (if necessary).
- When you are in an area where a session is not occurring, other sessions may be going on nearby. Please keep the noise down, even in hallways.
- Always respect others’ opinions. Questions can challenge, but should not confront or demean. Constructive criticism is good, but remember what you learned in kindergarten about common courtesy and good manners.
- Mingle. It is always difficult to introduce yourself to “strangers”, but all of the participants are interested in Psychology and have a lot in common. This is an opportunity to grow in your chosen field by discussing topics of interest and making contacts with persons at other institutions.
President:  
Michelle Butler  
USAF  
michellebutler200@gmail.com

President-Elect:  
R. Eric Landrum  
Boise State University  
elandru@boisestate.edu

Past-President:  
Leslie Cramblet-Alvarez  
Adams State University  
lcramblet@adams.edu

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University of Nebraska at Kearney  
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Treasurer:  
Courtney Rocheleau  
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aropp@msudenver.edu

Program Chair:  
James Kole  
University of Northern Colorado  
james.kole@unco.edu

Archivist/Historian:  
Richard L. Miller  
Texas A&M University-Kingsville  
richard.miller@tamuk.edu

Convention Coordinator:  
Nancy J. Karlin  
University of Northern Colorado  
nancy.karlin@unco.edu

Teaching Conference Coordinator:  
William Douglas Woody  
University of Northern Colorado  
william.woody@unco.edu
PURPOSE OF THE TEACHING CONFERENCE

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

WHO SHOULD ATTEND

- Psychology teachers (colleges, universities and high school)
- Researchers in the teaching of psychology
- Support staff and developers working with psychology teachers
- Developers and publishers of psychology resources

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

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.
THURSDAY

INVITED SPEAKERS
Michael Wertheimer, Teaching Conference Keynote
2:00 – 2:55 pm

Mitch Handelsman, Past President’s Address, RMPA Kickoff Speaker
5:00 – 5:55 pm

POSTER SESSION
6:00 – 7:00 pm
Teaching Psychology Posters

SYMPOSIA
12:00 – 12:55 pm
Teaching Take-Out

1:00 – 1:55 pm
Value-Added Program Assessment in the Psychology Classroom

3:00 – 3:55 pm
Teaching At the Intersections Of Psychology And Other Fields

WORKSHOPS
1:00 – 1:55 pm
Providing Effective Graduate School Advising to Undergraduate Students in Psychology: A Workshop to Identify Effective Practices

Training for Multicultural Competence and Social Justice Advocacy: Past and Present Strategies and Implications for Educators

3:00 – 3:55 pm
Recognizing Diversity: Veterans in Classrooms

But I Was Just a Mentee! Becoming an Undergraduate Research Mentor: A Workshop for Early Career Faculty

4:00 – 4:55 pm
Conversation Hour: Can Psychology Majors Write for Different Purposes?

Strategies for Implementing Professional Development Goals in an Undergraduate Curriculum

RMPA Faculty Mentor Program: Advice to Faculty from Faculty

STUDENT SESSIONS
9:00 – 10:30 am
Pre-conference Psi Chi Service Project

1:00 – 1:55 pm
Beyond Survival: Making the Most of Your Conference Experience

3:00 – 3:55 pm
Finding and Affording the Right Graduate Program for You

4:00 – 4:55 pm
Self Care for Students: Strategies for Managing School-Life Balance

SOCIAL NOTES ***
6:00-7:00 pm Kickoff Reception
Ballroom C

APRIL 14, 2016
## Thursday Time Table of Events

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<td>Kickoff Reception &amp; Teaching of Psychology Poster Session</td>
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### CHERRY CREEK
- Pre-Conference Psi Chi Service Project

### DURANGO
- Beyond Survival: Making the Most of Your Conference Experience
- Value-Added Program Assessment in the Psychology Classroom
- Providing Effective Graduate School Advising to Undergraduate Students in Psychology

### PLATTE RIVER
- Training for Multicultural Competence and Social Justice Advocacy
- Finding and Affording the Right Graduate Program for You
- Teaching At the Intersections Of Psychology And Other Fields
- Recognizing Diversity: Veterans in Classrooms

### STEAMBOAT
- But I Was Just a Mentee! Becoming an Undergraduate Research Mentor: A Workshop for Early Career Faculty
- Self Care for Students: Strategies for Managing School-Life Balance
- Conversation Hour: Can Psychology Majors Write for Different Purposes?
- Strategies for Implementing Professional Development Goals in an Undergraduate Curriculum
- RMPA Faculty Mentor Program: Advice to Faculty from Faculty
Dr. Michael Wertheimer
University of Colorado Boulder

Michael Wertheimer, born in Germany but proud US citizen, completed his PhD at Harvard in 1952 in experimental psychology, and has won teaching numerous awards but doubts that he deserves them. He considers teaching a difficult, presumptuous profession. Now retired from a long, satisfying academic career (briefly at Wesleyan University and then for decades at the University of Colorado), he chaired doctoral programs and an undergraduate honors program in psychology.

Author of over two hundred articles in professional journals and author, co-author, editor, or co-editor of over forty books on experimental psychology, cognition, psycholinguistics, the teaching of psychology, and the history of psychology (most recently the fifth edition of his Brief History of Psychology), he was president of RMPA, Psi Chi, and four divisions of the American Psychological Association, and was elected to many APA boards and committees including its board of directors.

Now 89 years old, he has enjoyed friends, family, foreign languages, mountaineering, writing, skiing, sailing, extensive domestic and foreign travel, gardening, cooking, music, and reading, and is the pater familias of a huge clan: three kids, three kids-in-law, eight grandkids, five grand-kids-in-law, and eleven great-grandchildren, many of whom he sees frequently. He is deeply grateful for an amazingly rewarding long life.
Dr. Mitch Handelsman

University of Colorado Denver

Dr. Handelsman is a Professor of Psychology at the University of Colorado, Denver and CU President’s Teaching Scholar. Recent honors include: Excellence in Teaching Award, UCD College of Liberal Arts and Sciences, 2010; Secondary Appointment, Professor of Psychiatry, UCDHSC School of Medicine, 2005; Award for Excellence in Research, CU-Denver College of Liberal Arts and Sciences, 2005.

He co-authored the book “Ethical Dilemmas in psychotherapy: Positive approaches to decision making” (2015) and “APA Handbooks in Psychology: APA handbook of ethics in psychology (2012).” He also wrote a chapter entitled, “Preparing to teach: Becoming part of an ethical culture.” In R. E. Landrum & M. A. McCarthy (Eds.). Teaching ethically: Challenges and opportunities.”
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<td>Teaching At the Intersections Of Psychology And Other Fields</td>
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SYMPOSIUM

Teaching Take-Out

Ballroom A
Moderator: William Douglas Woody

Depression Quest: Using Gaming to Promote Understanding in Abnormal Psychology
Leslie D. Cramblet Alvarez, Adams State University
This session will introduce participants to Depression Quest, a free online game that allows the player to experience the symptoms of depression. Ways of integrating this activity into Abnormal Psychology and other classes that explore psychological disorders will be discussed.

Teaching Schema Theory with Hula Hoops
Lisa Kindleberger Hagan, Metropolitan State University of Denver
This in-class activity helps students to conceptually grasp the abstract Piagetian terms assimilation, accommodation, equilibrium and disequilibrium.

Clinical and Classroom Exercise for Grief and Loss
Krista D. Bridgmon, Colorado State University-Pueblo
The activity is intended to assist two populations and settings. The first objective is to assist families through the stages of grief and loss using both visual and kinesthetic methods for social and emotional learning. The second purpose uses the same experiential education activity to assist helping professionals in training.

Testing Statistics Knowledge without Calculations
Marte Fallshore, Central Washington University
During tests, statistics students spend most of their time doing calculations and not very much answering conceptual questions. I will demonstrate a method to measure their knowledge without calculations using something I call set-up problems.
The Syllabus Makeover: From Disregarded Document to Engaging Class Brochure
Julie A. Taylor-Massey, Colorado State University-Pueblo
The syllabus is ubiquitous, yet overlooked. Have you given thought to the efficacy of yours? If it contains pages of black text and students are not reading it, consider a makeover. Attend this demonstration for inspiration and a framework to turn your syllabus into a visually appealing, useful class brochure.

Ataxic Neurodegenerative Satiety Deficiency Syndrome: Using Zombies to Make Neuropsychology Taste Good!
Steve T. Barney, Southern Utah University
In this teaching take-out, I will reflect on my using Dr. Steven Schlozman’s “The Zombie Autopsies: Secret Notebooks from the Apocalypse” as a textbook for my Clinical Neuropsychology course. Relating the content of the class to the ever popular undead creatures seemed to help inspire students to learn... and remember neuroanatomy and systemic processes.
SYMPOSIUM

Value-Added Program Assessment in the Psychology Classroom

Durango
Presentations will include information on the latest version of APA’s Learning Outcomes for Undergraduates, processes to integrate teaching activities with required assessment of student outcomes for accreditation purposes, and specific assessment processes, procedures and rubrics for introductory and more advanced psychology courses to streamline assessment requirements using pedagogically sound methodology.

APA Guidelines for the Undergraduate Psychology Major, Version 2.0
R. Eric Landrum, Boise State University

Aligning Student Learning Outcomes for Accreditation with Classroom Activities
Richard L. Miller & Jeanne Butler
Texas A & M University-Kingsville and Catalina Consulting

Student Learning Outcome Assessment in General Psychology
Eric Amsel, Weber State University

Enhancing Student Achievement through the use of Coordinated Assessment Rubrics
Susan E. Becker, Colorado Mesa University
WORKSHOPS

Platte River
Providing Effective Graduate School Advising to Undergraduate Students in Psychology: A Workshop to Identify Effective Practices
Panelists:
Robert Schatz & Pamela Ansburg
Metropolitan State University of Denver
The workshop invites participants to discuss effective advising strategies to assist undergraduate students with the graduate school application process. The moderators will discuss the advising program they have developed and will facilitate discussions to identify best practices to help increase the competitiveness of students applying to graduate school programs.

Steamboat
Training for Multicultural Competence and Social Justice Advocacy: Past and Present Strategies and Implications for Educators
Panelists:
J. Scott Branson¹, Ashley N. Branson¹, & Peter L. Kranz²
¹University of Northern Colorado, ²University of Texas -- Pan American
Multicultural competence and social justice advocacy are foundational for students tasked with ethically navigating an internationally connected landscape. We will discuss current and historic barriers to multicultural and social justice pedagogical practices and will involve audience members in experiential demonstrations of activities that we have used in our own classrooms.
THURSDAY
1:00-1:55 pm

STUDENT SESSIONS

Cherry Creek

Beyond Survival: Making the Most of Your Conference Experience
Robyn Aguero¹, Victoria Gibson¹, Lauren Parsons¹, Jennifer Seiders², & Luke Merrill²
¹Colorado State University-Pueblo, ²Northwest Nazarene University
Conference attendance can be a valuable student experience towards reaching future academic and career goals. This student-oriented session will help students focus on setting goals for their conference experience, prioritizing and organizing attendance at talks and presentations, convention protocol, and building relationships.
The Professoriate in the Twenty-First Century

Attempts by lower rank higher-education faculty to climb the academic ladder to full professor haven’t changed much yet during the twenty-first century from typical practices during the twentieth century, except that the “publish or perish” paradigm has been replaced by “publish AND perish”—unless you can bring in substantial outside research funding. But modern communications technology is making old patterns obsolete. Soon almost all faculty members will no longer lecture, because of MOOCs and SMOCs (massive open online courses and synchronous massive online courses), taught by a few outstanding teachers. The faculty’s task will become helping students develop better perspectives on subject matter about which they were ignorant or had naïve misconceptions, not by lecturing at them but in individual tutorials or seminars. Besides learning how to become creative research scholars, aspiring academics must be taught how to teach, which never was a significant part of graduate education before. Such instruction will have to be based on responsible translation of the vast empirical literature on educational psychology, cognitive psychology, and the psychology of learning into practical, realistic evidence-based strategies for teaching effectively, that is, for helping students achieve sophisticated, insightful understanding of subject matter.
THURSDAY
3:00-3:55 pm

SYMPOSIUM

Durango
Teaching At the Intersections Of Psychology And Other Fields
Panelists:
Eric Amsel\textsuperscript{1}, Richard L. Miller\textsuperscript{2}, \& William J. Wozniak\textsuperscript{3}
\textsuperscript{1}Weber State University, \textsuperscript{2}Texas A \& M University-Kingsville, \textsuperscript{3}University of Nebraska-Kearney

This symposium will consist of three presentations by the coauthors, each describing their experiences in, and lessons learned from, teaching courses outside of the core of the psychology major curriculum. They include topically centered courses, such as “The Science, Philosophy, and History of Predicting the Future,” “The Science of Fear,” “Cross-Cultural Psychology,” and “Death, Society, and Human Experience.” Issues include the placement of interdisciplinary courses within a student’s curriculum, the challenges of teaching students from a variety of disciplines, and difficulties associated with team teaching with faculty from other disciplines.
Platte River

Recognizing Diversity: Veterans in Classrooms

Panelists:
Susan E. Becker¹, Travis Heath², Roxanne Sullivan³, & William Douglas Woody⁴

¹Colorado Mesa University, ²Metropolitan State University of Denver, ³Bellevue University, ⁴University of Northern Colorado

This interactive workshop includes four presenters with interests in veterans’ issues. The presenters will discuss creation of a veteran-friendly campus, the needs of veterans with PTSD or other psychological challenges, practical skills for instructors who work with student veterans, and support for students’ transitions from military to non-military environments.

Steamboat

But I Was Just a Mentee! Becoming an Undergraduate Research Mentor: A Workshop for Early Career Faculty

Panelists:
Krista D. Bridgmon¹, Leslie D. Cramblet Alvarez², & R. Eric Landrum³

¹Colorado State University-Pueblo, ²Adams State University, ³Boise State University

The American Association of Colleges and Universities identifies undergraduate research as a “High Impact” practice (HIP). Yet, for early career faculty, the prospect of leading and mentoring students through this process can be daunting. This session will review relevant research and strategies for a successful, non-threatening mentoring relationship.
There are many choices to make when looking at graduate programs in psychology. This workshop will discuss (a) masters and doctorates, (b) types of degrees and subfields, (c) ways to evaluate programs on objective and subjective data, and (d) how you can afford and repay graduate school. A time for Q&A will follow.
Durango

**Conversation Hour: Can Psychology Majors Write for Different Purposes?**

*Panelists: Michelle L. Klein, Veronica E. Scherbak, Joan T. Bihun, & Mitchell M. Handelsman*

*University of Colorado Denver*

To determine how well psychology majors write for different purposes (APA Objective 4.1), we are testing foundational and baccalaureate students on the application of technical concepts for different audiences. We will be presenting our measure, current rubric(s), and preliminary data. During this conversation hour, we welcome feedback, suggestions, questions, and/or comments.

Platte River

**Strategies for Implementing Professional Development Goals in an Undergraduate Curriculum**

*Panelists: Mory J. Kitzman & Alexis K. Bachik*

*Metropolitan State University of Denver*

Most psychology departments give little consideration to offering personal and professional development to their students. But our students are more stressed, unsure of themselves, and ill-prepared for the workplace than ever before. In this workshop you will learn how to motivate students towards exploring and mastering their inner selves and growing their workplace skills.

Steamboat

**RMPA Faculty Mentor Program: Advice to Faculty from Faculty**

*Aaron S. Richmond¹, William Douglas Woody², Anna Ropp¹, Melanie Domenech Rodriguez³, & Layton Curl⁴*

¹Metropolitan State University of Denver, ²University of Northern Colorado, ³Utah State University

In this workshop we invite new, junior, and senior faculty to participate in the RMPA Faculty Mentoring Program. An expert panel will discuss and help to mentor faculty in the nuances of academia. In this interactive workshop we hope to establish relationships that extend beyond the conference.
STUDENT SESSIONS

Cherry Creek

Self Care for Students: Strategies for Managing School-Life Balance
Leslie D. Cramblet Alvarez\textsuperscript{1}, & Krista D. Bridgmon\textsuperscript{2}
\textsuperscript{1}Adams State University, \textsuperscript{2}Colorado State University-Pueblo

This interactive workshop will explore undergraduate and graduate students’ sources of stress in managing balance among the demands of school, work, and life. The dangers of stress, physical and educational consequences of stress and practical strategies for managing stress drawing from stress coping and mindfulness literature will be considered.
THURSDAY  
5:00-5:55 pm

INVITED SPEAKER  
Ballrooms A/B

Dr. Mitch Handelsman  
University of Colorado Denver

Moderator:

Expanding Models for Making Ethical Choices: From “I Can’t Help Myself” to “I Second that Emotion”

This talk will reflect on how psychologists have been taught to think ethically over the years, from ultra-rational “ethical reasoning” to a more comprehensive “ethical choice-making” approach that includes emotions and non-rational factors.
Designing a Measure for Instructor Humor Use in the Classroom: Taking the First Steps
Moshe Machlev & Nancy J. Karlin
University of Northern Colorado
The current authors investigated a measure for instructor humor use in the classroom. An Exploratory Factor Analysis using the Maximum Likelihood extraction methods for the different questions was conducted. Reliability for the four items measuring related/appropriate humor was .90 and reliability for the three items measuring non-relative humor was .78.

Do Community Engaged Activities Matter in Tenure and Promotion Evaluations?
Eric Amsel, Valerie Herzog, & Brenda Kowalewski
Weber State University
Eighty-five faculty members who served on tenure and promotion committees evaluated hypothetical scenarios describing a faculty member’s activities for their impact on ratings of teaching research, and service. Results show recognition of the value of community-engaged activities in the evaluation of faculty teaching, research, and service.

Is It Art? Or, Is It All About Me?
Naif A. Aldawood
Faculty Sponsor: Francie Murry
University of Northern Colorado
This study examines the use of art to encourage self-reflection for how students with challenging behaviors see their actions and reactions. The focus of the presentation is the comparing students’ use of a self-as-model design and published social stories curriculums.
4
Characteristics of the Test-Anxious Student: The Roles of Personality, Academic Motivation, and Control Beliefs
Tiffany L. Pereira & Courtney A. Rocheleau
Metropolitan State University of Denver
Testing anxiety is a nationwide epidemic, impairing students and lowering academic performance and self-esteem. This study strives to identify individual differences, such as Big Five traits, having an intrinsic vs. extrinsic motivation for learning, and degree of academic self-efficacy, which may contribute to students’ level of testing anxiety.

5
Measuring APA Goal 2: Critical Thinking and the Psychology Major
Kinsey Bolinder, Eric Barlow, Talegria Brown, & R. Eric Landrum
Boise State University
We studied 21 junior-level psychology majors and their critical thinking and statistical reasoning skills. Modifying the Lawson et al. (2015) scoring rubric, we measured both critical thinking ability and developed a new measure of statistical reasoning. These methods may help psychology educators assess student competence within APA Goal 2.

6
First Time College Freshmen: The Importance of Health and Learning Skills
Nadia M. Al-Tabaa, Nicholas Vayer, Nicole Norelli, Timothy Kilcoyne, Alissa Carey, & Robert Durham
University of Colorado Colorado Springs
This study examines the importance of wellness and learning strategies for college freshman success. Students who are more likely to drop out of college are anticipated to score lower in these areas. If students receive support in wellness and learning they are predicted to have higher first semester GPAs.
The Influence of Framed Feedback on Self-Efficacy in a Mathematics Task
Kerry D. Duck & Michael M. Phillips
University of Northern Colorado
We examined whether feedback influenced perceptions of self-efficacy in a mathematics task. Participants were assessed pre and post completing mathematics problems. We found self-efficacy to be influenced by the valence (near average or near ceiling) of feedback presented after problem completion.

Motivational Goals for Attending College and Intention to Persist
Maria Huerta & Melinda Russell-Stamp
Weber State University
Identifying factors linked to student persistence is an important endeavor for higher education. This study aimed to identify supports, resources, and motivational goals that predict retention in college. Two hundred and eighty-three Introductory Psychology students answered a questionnaire that asked about their goals, utilization of resources, and perceived support.

Improve with Metacognition: A Collaborative Website Resource
Lauren Scharff¹, John Draeger², & Aaron Richmond³
¹U. S. Air Force Academy, ²SUNY Buffalo State, ³Metropolitan State University of Denver
Metacognition helps students and instructors articulate their goals, select effective strategies, accurately judge progress towards those goals, and fine-tune those strategies along the way. The poster shares an online teaching commons (Huber and Hutchings, 2005) that fosters the collaborative investigation of the role of metacognition in teaching and learning.
10 Tools of the Mind - Gender and Educational Differences
Lindsey R.C. Sitz, Jessica M. Bittmann, & Rachel N. McGill
Faculty Sponsor: Kristen Lyons
Metropolitan State University of Denver
In this study we exam how gender, age, ethnicity, and how a student’s previous education affects current learning. Tools of the mind is a Vygotsky based approach to teach writing, focusing on the concept of “Scaffolded Writing”. A variety of samples were collected from local schools at single time point.

11 The Evaluation and Portrayal of Teacher-Student Interactions in the Media
Nick Marsing, Carylsa A. Openshaw, & Dominique N. Jiron
Snow College
Have you ever noticed that teachers are portrayed sexually in the media? Research has been conducted on the comparison of student-teacher interaction in the media, and how it reflects to student-teacher interactions in reality.

12 APA Goal #5 Professional Development: Assessment Outcomes for Sophomore and Senior Psychology Majors
Eric Barlow, Talegria Brown, Kinsey Bolinder, & R. Eric Landrum
Boise State University
The objective of our study was to implement assessment measures concerning the professional development of psychology majors (APA Goal #5). Sophomore and senior-level psychology majors completed a battery of measures and we examined those outcomes for the expected developmental changes over time.
13

Can Gender of Teacher, Cartoons, and a Student-Centered Syllabus Affect Student Perceptions of Teacher Effectiveness and Cultural Sensitivity?
Aaron S. Richmond, Bethany Fleck, Erik Boss, Jessica Wood, Nina Dadabhoy, Salina Whitaker, & Lindsey Sitz
Metropolitan State University of Denver
In this SoTL project, we assessed the impact that gender, cartoons, and a student-centered designed syllabus may have on students’ perceptions of teacher effectiveness and cultural sensitivity. Results will be discussed in the context of past research and implications for classroom instruction.

14

Can Inquiry-Based Instruction Improve Higher-Level Learning and Perceptions of Teacher Effectiveness?
Aaron S. Richmond¹, Christopher Hakala², Kelsie Howell¹, Ary Wiggins¹, Ian Maxwell¹, Keegan Walker¹, & Emily Sheriff¹
¹Metropolitan State University of Denver; ²Quinnipiac University
In a randomized control group experiment, we sought to investigate the effects of using inquiry-based instruction to enhance retention of higher-level learning and how students perceive teacher effectiveness when using inquiry-based instruction. Results will be discussed in the context of past research and implications for classroom practices will be provided.

15

The Validity and Reliability of the Learner-Centered Syllabus Scale
Aaron S. Richmond, Brandon Gale, Patrick Murphy, & Sean Vieau
Metropolitan State University of Denver
In this study, we sought to investigate the psychometric properties of the Learner-Centered Syllabus Scale. Over 75 syllabi were analyzed using this scale and factor analysis will be used to determine the factor structure. Results will be discussed in the context of practical applications and use of this scale.
16

**SPSS Use in Psychology Graduate Programs**

*Theresa A. Wadkins & Meghan O. Rockefeller*

*University of Nebraska at Kearney*

We wanted to determine whether or not graduate programs want and expect their incoming students to be proficient in the use of SPSS software. We developed a questionnaire and sent it to program directors of psychology graduate programs to determine the level of expertise expected of their incoming students.

17

**Test-Enhanced Learning Across Academic Disciplines: A Focus on Higher vs. Lower Level Learning and Metacognition**

*Aaron S. Richmond, Dillon Slagle, Holly Hickman, Abigail Johnson, Jessica M. Bittmann, Anna Ropp, Jennifer Bradford, Graham Ignizio, & John Hammond*

*Metropolitan State University of Denver*

In this field experiment, we sought to investigate the efficacy of test-enhanced learning across academic domains in higher education. We assessed whether the testing effect differentially affected lower versus higher level learning. We also assessed whether metacognitive and motivational attributes predict the testing effect.

18

**To Go or Not to Go: Graduate Study in Psychology**

*Talegria Brown, Kinsey Bolinder, Eric Barlow, Matthew Genuchi, & R. Eric Landrum*

*Boise State University*

We examined if providing students with resources can make a difference in the consideration of graduate school regarding self-efficacy, certainty, confidence, and awareness. Twenty-six first-year psychology majors were randomly assigned to one of four study conditions, and also completed a 16-item pretest-posttest survey about graduate school intentions.
THURSDAY
6:00-7:00 pm

POSTER SESSION CONTINUED: Teaching of Psychology
Ballroom C

19  
**Becoming Psychologically Literate: Responding to Those with Symptoms of Depression**
Amy C. Blommer¹, Sophia A. Garcia¹, Claire Short¹, Eric Amsel², R. Eric Landrum³, & Regan Gurung⁴
¹Westminster College, ²Weber State University, ³Boise State University, ⁴University of Wisconsin: Green Bay

Three samples totaling over 1000 participants read a scenario about a potentially depressed person who solicited their advice. Participant responses were coded for the level of psychological literacy expressed, which increased with a college education in psychology. The results suggest psychology students are learning to become psychologically literate.

20  
**Clinician Experiences of a Telephonic Counseling Program**
Liesel Christoe-Frazier¹, Sharla Schroeder¹, & Natalie Ritchie²
¹University of Northern Colorado, ²Denver Health

Faculty Sponsor: Heather Helm

The use of telepsychology is rapidly expanding. This qualitative phenomenological case study explores the experiences of clinicians delivering counseling services over the phone. Semi-structured interviews were completed with employees of a telephonic counseling program. Study results will be presented, along with potential implications for training and telepsychology program development.

21  
**The Association of Student Status and Loneliness on Self-Efficacy**
Elizabeth A. Marino, Tara C. Grebert,  
Adams State University

Faculty Sponsor: Robert Demski

Research was conducted to investigate how student status and loneliness may affect a college student’s self-efficacy levels. It is hypothesized that non-traditional students scoring low in loneliness will score higher in
self-efficacy than traditional students scoring high in loneliness. There was only a significant difference in school year and self-efficacy.

22

The Effects of Mood on Writing Apprehension, Writing Self-efficacy, and Writing Performance

Jared W Vanhille
Southern Utah University
Faculty Sponsor: Bradley Gregory

This research examines the impact of mood on writing apprehension, writing self-efficacy, and writing performance in undergraduate students. Participants wrote about a positive or negative event in their life to influence their mood. Then, they wrote a short essay and answered questions regarding their writing apprehension and self-efficacy.
**SYMPOSIA**

8:00 – 9:30 am | Military Mental Health: An Examination of Maladaptive Psychopathology and Suicide Risk Within Unique Military and Veteran Samples

10:20 – 11:20 am | Expanding Creativity Research: Affective and Cognitive Processes and New Scale Development

**INVITED SPEAKERS**

- **Ray Bull**, Special Invited Speaker
  - 9:10 – 10:10 am
- **Jesse Purdy**, Gardner Memorial Lecture
  - 10:20 – 11:20 am
- **Emily Balcetis**, RMPA Alumni Address
  - 1:00 – 2:00 pm
- **Thomas Joiner**, APA Distinguished Scientist Address
  - 2:10 – 3:10 pm
- **Mary Kite**, Society for the Teaching of Psychology Address
  - 3:20 – 4:20 pm
- **C. Nathan DeWall**, Worth Publishing Distinguished Lecture
  - 4:30 – 5:30 pm

**STUDENT SESSIONS**

- **10:20 – 11:20 am**
  - Overcoming Barriers to Finishing Your Dissertation or Thesis
- **1:00 – 2:00 pm**
  - Psi Chi Chapter Exchange: Innovative Philanthropy Idea Exchange
- **2:10 – 3:10 pm**
  - Psi Chi Award Winners Oral Paper Session

**WORKSHOPS**

- **9:10 – 10:40 am**
  - Incorporating Progress Monitoring and Outcome Assessment into Mental Health Services in Schools and Private Practice Settings
- **1:00 – 2:00 pm**
  - Using the lme4 Package in R to Fit Hierarchical Linear Models

**POSTER SESSIONS**

- **8:00 – 9:00 am**
  - Social Psychology, Sports Psychology
- **9:10 – 10:10 am**
  - Biopsychology/Neuropsychology, Psychopharmacology, Learning
- **1:00 – 2:00 pm**
  - Clinical/Counseling Psychology, Psychopathology
- **2:10 – 3:10 pm**
  - Psychology of Women/Diversity/Cultural, Community Psychology
- **3:20 – 4:20 pm**
  - Health Psychology

**SOCIAL NOTES**

- **7:30 – 9:00 am**
  - Cherry Creek Psi Chi Welcome Breakfast (Students & faculty welcome)
- **11:30-12:55 pm**
  - Clear Creek Psi Chi Advisor’s Luncheon with Dr. Chris Kilmartin (Invitation Only)
- **6:00 – 7:00 pm**
  - Cherry Creek Psi Chi Award Reception and Prize Raffle
### Friday Time Table of Events

<table>
<thead>
<tr>
<th>Time</th>
<th>BALLROOM C</th>
<th>BALLROOMS A/B</th>
<th>BIG THOMPSON</th>
<th>PLATTE RIVER</th>
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<tbody>
<tr>
<td>8:00-9:00 am</td>
<td>Social Psychology</td>
<td>Sports Psychology</td>
<td>Biopsychology/Neuroscience</td>
<td>Teaching/Educational Psychology I</td>
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<tr>
<td>9:10-10:10 am</td>
<td>Special Invited Speaker Ray Bull</td>
<td>Biopsychology/Neuropsychology, Psychopharmacology, Learning</td>
<td>Social Psychology I</td>
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<tr>
<td>10:20-11:20 am</td>
<td>Gardner Memorial Lecture Jesse Purdy</td>
<td>Psychology and Law (ends at 11:40 am)</td>
<td>Teaching/Educational Psychology II</td>
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<tr>
<td>11:30 am - 12:55 pm</td>
<td>RMPA Alumni Address Emily Balcetis</td>
<td>Clinical/Counseling Psychology, Psychopathology</td>
<td>Diversity &amp; Other</td>
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<tr>
<td>1:00-2:00 pm</td>
<td>APA Distinguished Scientist Address Thomas Joiner</td>
<td>Psychology of Women/Diversity/Cultural, Community Psychology</td>
<td>Developmental Psychology I</td>
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<tr>
<td>2:10-3:10 pm</td>
<td>Society for the Teaching of Psychology Address Mary Kite</td>
<td>Health Psychology</td>
<td>Memory and Cognition</td>
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<tr>
<td>3:20-4:20 pm</td>
<td>Worth Publishing Distinguished Lecture C. Nathan DeWall</td>
<td>Teaching/Educational Psychology III</td>
<td>Cultural Psychology</td>
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<td>4:30-5:30 pm</td>
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</table>
Dr. Ray Bull

University of Derby, UK

Dr. Ray Bull is currently a Professor of Criminal Investigation, University of Derby, Emeritus Professor of Forensic Psychology, University of Leicester and Visiting Professor of Forensic Psychology, University of Portsmouth. Additionally, he served as Dean of Faculty of Life and Social Sciences, Glasgow Caledonian University. In 2009, he was elected a Fellow by the Board of Directors of the Association of Psychological Sciences for sustained and outstanding distinguished contributions to psychological science. In 2010, he was elected a Fellow of the British Psychological Society for his contributions made to the discipline of psychology. In 2012, he was awarded the first Honorary Life-time Membership of the International Investigative Interviewing Research Group and in 2013, he was elected President of the European Association of Psychology and Law. His countless peer-reviewed publications are a testament to his contributions to the field of forensic psychology.
Dr. Jesse E. Purdy

Southwestern University

Dr. Jesse E. Purdy received his B. S. in psychology in 1974, his M. S. in general experimental psychology in 1976 and his PhD in 1978 from Colorado State University. He graduated with an emphasis in experimental psychology with specialization in animal learning and animal behavior. He is professor of psychology and animal behavior and he has held the Brown Distinguished Research Professorship in the Department of Psychology at Southwestern University, and the John H. Duncan Chair from 2004-2009 one of six Brown Chairs during which he coordinated the Brown Symposium in 2008 on Jakob von Uexkull’s ideas on the Umwelt. He is currently Professor Emeritus at Southwestern University where he has been since 1978.
Dr. Emily Balcetis
New York University

Emily Balcetis received her bachelor’s degree from the University of Nebraska at Kearney and her Ph.D. from Cornell University. Her research focuses on the conscious and nonconscious ways people fundamentally orient to the world. In particular, she focuses on how the motivations, emotions, needs, and goals people hold impact the basic ways people perceive, interpret, and ultimately react to information around them. She advocates for an interactive cognitive system where psychological states constrain the basic manner in which we perceive and react to our worlds. Her work explores motivational biases in visual and social perception and the consequential effects for behavior and navigation of the social world. In doing so, her research represents an intersection among social psychology, judgment and decision-making, social cognition, and perception.
Dr. Thomas Joiner
Florida State University

Thomas Joiner grew up in Georgia, went to college at Princeton, and received his Ph.D. in Clinical Psychology from the University of Texas, Austin. He is the Robert O. Lawton Distinguished Professor in the Dept. of Psychology at Florida State University, Tallahassee, Florida. Author of over 515 peer-reviewed publications and author/editor of over 17 books, Dr. Joiner was awarded the Guggenheim Fellowship and the Rockefeller Foundation’s Bellagio Research Fellowship. He is a consultant to NASA’s Human Research Program, and is the Director, with Pete Gutierrez, Ph.D., of the DOD-funded Military Suicide Research Consortium.
Dr. Mary Kite

Ball State University

Mary Kite received her B.A., M.S., and Ph.D. from Purdue University. A social psychologist, she is currently Professor of Psychological Science at Ball State University. Strongly committed to psychology education at all levels, she is Past-President of The Society for the Teaching of Psychology (STP, APA Division 2); she has held a number of other leadership roles for STP, including her current role as APA Council Representative. She also chaired the APA Presidential Task Force on Diversity Education Resources and is Past-President of the Midwestern Psychological Association. She is a Fellow of APA Divisions 2, 8, 9, 35, & 44 and maintains an active research program in the area of stereotyping and prejudice; she recently coauthored the third edition of a textbook on that topic and the third edition of a textbook on research methods (both with Bernard E. Whitley, Jr.). In 2007, she was named a Minority Access National Role Model. She received a Presidential Citation from STP in 2011 and the Charles L. Brewer Award for Distinguished Teaching of Psychology from the American Psychological Foundation in 2014.
C. Nathan DeWall is Professor of Psychology and Director of the Social Psychology Lab at the University of Kentucky. With David Myers, he is co-author of a series of introductory psychology textbooks published by Worth Publishers. He received his Bachelor’s Degree from St. Olaf College, a Master’s Degree in Social Science from the University of Chicago, and a Master’s degree and Ph.D. in Social Psychology from Florida State University. He received the 2011 College of Arts and Sciences Outstanding Teaching Award, which recognizes excellence in undergraduate and graduate teaching. In 2011, the Association for Psychological Science identified DeWall as a “Rising Star” for “making significant contributions to the field of psychological science.”

Nathan conducts research on close relationships, self-control, and aggression. With funding from the National Institutes of Health and the National Science Foundation, he has published over 150 scientific articles and chapters. Nathan’s research awards include the SAGE Young Scholars award from the Foundation for Personality and Social Psychology, the Young Investigator Award from the International Society for Research on Aggression, and the Early Career Award from the International Society for Self and Identity.
**POSTER SESSION**

Ballrooms A/B  
Social Psychology, Sports Psychology

1. **Values Affirmation and Mitigating the Negative Effect of Stereotype Threat on Math Performance**  
   *Emily E. Moulton, James Kole, & Molly Jameson Cox*  
   *University of Northern Colorado*  
   A sample of undergraduate students completed a brief writing exercise, referred to as values affirmation, to determine whether this intervention could mitigate the potential effect of stereotype threat on math performance for women. Data on math anxiety and academic motivation were also collected.

2. **What Type of Nature Promotes Generosity? Effects of Resource Abundance And Scarcity in the Natural Environment**  
   *Leon N. Bustos, Eugenio Mathis, Sierra V. Fernandez, & Ian Williamson*  
   *New Mexico Highlands University*  
   Exposure to nature yields many psychological benefits (e.g., increased attentional resources, positive emotions, & enhanced ability to reflect on life problems). Similarly, research shows that exposure to nature increases prosocial behavior. This project seeks to examine how resource abundant and resource scarce environments affect generosity through a dictator task.

3. **Helping Others: An Examination of the Effects of a Brief Awe Induction on Prosocial Behavior**  
   *Jessica R. Villarreal & Maureen K. Flynn*  
   *Metropolitan State University of Denver*  
   The current study examines whether a brief awe induction increases prosocial behavior. Undergraduate students were randomly assigned to either the awe induction or control condition. Results showed that the awe induction increased levels of awe but there were no significant differences between groups on prosocial intentions post intervention.
4
Permanence of Changing Views Due to Social Influence in American Students
Andrea G. Done & Todd C. Baird
Weber State University
Conformity involves changing one’s beliefs or behaviors in order to fit in with a group. The following experiment looked at whether this change in opinion was permanent or transient by having participants rate faces twice and seeing whether there was a change in the face rating scores.

5
Forgiveness Recall Study
Angel De Nieves Arellano, Ian Williamson, & Sierra Fernandez
New Mexico Highlands University
This study, a forgiveness recall study in which people recall times of more or less rumination, repeat-offending, and revenge, was conducted at NMHU with 222 student participants. Recalled experiences were expected to change the levels of forgiveness aversion. Results suggest recalled experiences changed people’s levels of forgiveness aversion.

6
Well-Being: Has Online Interactions Overpowered Face-to-Face Interactions?
Eric Vandenheuvel, Michelle Robertson, & Katherine Richards
Colorado Mesa University
Faculty Sponsor: Jacob Jones
We compared face-to-face and online interactions (positive & negative), and well-being. Overall, relationships were the most important dimension impacting well-being. Furthermore, face-to-face interactions had a significantly greater impact on well-being than online interactions, leading us to conclude that technology has not decreased the importance of face-to-face interactions.

7
The Impact of Life Goals on Liking Our Partner’s Best Friend
Cathrine N. Georgiana, Rachel R. Hosick, & Alissa J. Zink
University of Nebraska Kearney
Faculty Sponsor: Krista Forrest
Having similar goals to a partner’s best friend should increase likability of that partner’s friend. A regression analysis determined that Relationship and Physical well-Being Life Goals best predicted participant’s liking of their partner’s best friend. Implications for relationships are discussed.

8  
**Cognitive Empathy and Prejudice: Does the Label Matter?**  
*Anna Ropp & Amanda Gonzales*  
*Metropolitan State University of Denver*  
This 2x2 experimental study examined how cognitive empathy (high empathy/low empathy) and label (“fat”/”overweight”) affect prejudice toward overweight individuals. Participants read a woman’s story about being overweight (based on Teachman et al., 2003), and filled out measures that used the word “fat” or “overweight.”

9  
**Individual Differences on Solving the Tower of London Problem Task**  
*Nadia A. Sherman*  
*Texas A&M University-Kingsville*  
*Faculty Sponsor: Richard Miller*  
This study aims to determine if when presented with unfairly winning do individuals tend to be more generous immediately after toward others. We hypothesize that those who win unfairly will be more generous than those who feel justified in their winning.

10  
**A Replication of “Going Green to Be Seen: Status, Reputation, and Conspicuous Conservation”**  
*Kylee Hornbaker, Melissa Phillippi, Elizabeth Bruton, Courtney Galbraith, Kristi Galenzoski, & Jonathan Worden*  
*Brigham Young University - Idaho*  
*Faculty Sponsor: Brady Wiggins*  
Under the CREP replication project, we are replicating Griskevicius et al. (2010), examining how status motives influence decisions to buy “green” products. Additionally, we are investigating how political orientation and socioeconomic status may mediate this relationship. We will report the original study’s reproducibility and the role of these possible mediators.
11 Effects of Country of Origin, Crime Type, Similarity, Social Dominance and Symbolic Threat on the Conviction and Sentencing of Undocumented Immigrants
Crystal E. Garcia & Kaitlin Staker
Weber State University
Faculty Sponsor: Shannon McGillivray
This study determined whether the country of origin and crime type of accused persons influenced individuals’ conviction and sentencing decisions toward undocumented immigrants. It also examined underlying psychological factors such as similarity, social dominance and symbolic threat theories which further explained the conviction and sentencing outcomes towards undocumented immigrants.

12 What’s the Deal Breaker? A Study of Desirable Traits and Mate Preference
Nick Marsing, Annabelle Thorn, Levi Cragun, Darby Farr, & Brooke House
Snow College
Current research evaluates how potential romantic interest in an individual changes when certain desirable traits are removed. 18 characteristics are considered and prioritized according to importance, then resume-like profiles are evaluated to test the difference in potential interest when one highly desirable characteristic is removed.

13 Stereotypes and American Dialects
Emilia Flint, Jordan E. Reuer, & Megan C. Wittenhagen
Black Hills State University
Does how you speak affect how people perceive you? This study surveyed participants randomly assigned to one of three dialect groups to find out if stereotypes developed around American dialects affect perceptions of an individual’s personality and intelligence.

14 The Effects of Stereotype Threat on Students with Learning Disabilities
Lauren A. Mendoza
Texas A&M- Kingsville
Faculty Sponsor: Richard Miller
The purpose of this study was to determine if stereotype threat would negatively effect the performance of individuals with a learning disability or encourage psychological reactance. High school students with and without a disability were subjected to a stereotype threat about students with a disability and then asked to solve several Raven’s matrices.

15
**Biased Views of Obese People with Disabilities: Exploring the Stigma Surrounding a Double-Minority**
*Leo Schlosnagle¹, Sarah E. Hayes², & Julia M. Bearce¹*
¹Utah Valley University, ²West Virginia University
We studied attitudes toward hypothetical people with one of four characteristics: 1) healthy; 2) obese; 3) disability; 4) obese and a disability. Participants had more negative views of a hypothetical obese person with a disability than any other type of person except the hypothetical obese person. Implications are discussed.

16
**Black Lives Matter: Police Brutality in a So-Called “Post Racial” Society**
*Brianna J. Jones, Kia M. Debman, Michael K. Tyler, Wilson Rodriguez, & Chanelle Hill*
*North Carolina Central University*
*Faculty Sponsor: Jonathan Livingston*
Recent news stories about the “BLACK LIVES MATTER” movement concerning interactions between unarmed people of color and law enforcement has been receiving negative reactions from the public. Police brutality is an experience that has always been a reality for people of color. This study will investigate whether the race of the officer is a factor in the brutality experienced by African Americans and if consistent with prevailing prejudicial assumptions by mainstream America, they have an existing criminal record.
17
The Alldredge Nonverbal Lie Detection Test
Cameron T. Alldredge & Bradley Gregory
Southern Utah University
Many myths are associated with the idea of lie detection through nonver-
bale cues. People commonly believe that the direction an individual looks
while answering a question will indicate whether or not they are telling
the truth. The test designed for this study explores how valid this belief
actually is.

18
Blurring the Lines between Animals and Mankind: A Study on Em-
pathy
Sue M. Kraus, Mary M. Dumm, Sophia N. Scribner, & Crystal E. Garrett
Fort Lewis College
Human empathy has been studied extensively, it is a significant part of
our humanity. This study sought to research whether there was a differ-
ence between empathy showed towards humans versus animals, as well
as, if certain personality factors were associated with these differences.
Gender differences were also examined.

19
When Does Mutual Gaze Become Uncomfortable?
Nick Marsing, Schuyler Bradley, Kara Slaughter, Brooke Nixon, Sabrina
Luck, Alexis Topete, & Aly Unsworth
Snow College
The goal of our project is to determine whether mutual gaze does what
other experimentalists suggest, which is help increase attraction, or if
it’s completely detrimental. Our subjects will gaze into another’s eyes in
silence for five minutes. We’ll be able to find any possible correlations
between gaze and comfort.

20
Social Media and Perfectionism
Stephanie D. Crank & Grant C. Corser
Southern Utah University
Social media is becoming an everyday aspect of many individuals’ lives.
Several researchers have been curious about the effect of virtual interactions on human behavior and health. A survey of southwestern college undergraduates (n=95) demonstrated a correlation between time spent on social media and some measures of personality, particularly perfectionism.

21
**Athlete’s Perceptions of the Motivational Differences Between Indoor and Sand Volleyball**  
*Christopher Antillon, Michael Rhoads, & Laura Ratto*  
*Metropolitan State University of Denver*  
This study examines athletes’ perceptions of being coached when playing indoor and sand volleyball. Athletes were interviewed and a qualitative analysis was used to assess the motivational differences between the two sport contexts. Directions for future research and recommendations for enhancing the motivational climate for athletes are discussed.

22
**Body Esteem and Sports: College Students Who Play Sports Feel Better About Their Bodies**  
*Katie Lyons, Natalie Anderson, Dannette Vensel, & Lindsey C. Fast*  
*Western State Colorado University*  
The focus of this study is on the potential relationship between body-esteem and participation in sports for college students. Results indicate that sport participation (regardless of type) has a significant positive impact on numerous forms of body esteem for both male and female college students.

23
**An Exploration into the World of Existential Meaning in Coaching**  
*Joshua D. Coon*  
*University of Northern Colorado*  
*Faculty Sponsor: William Douglas Woody*
Coaching athletes is known as an intense discipline. Many theories have been offered to assist coaches. However, the sport psychology community has largely ignored one key psychological theory—meaning in life (existential psychology). A philosophical foundation along with current research, and a defense for future research will be presented.

24
What Do We Really Want From Our Kids? The Relationship between Parents’ Goals and Verbal Sideline Behavior
Bryson T. Grondel & Marshall Grimm
Utah State University
Faculty Sponsor: Travis Dorsch
Parents generally enroll children in youth sports to have fun, make friends, and learn more about sports. Most parents have good intentions, but are these goals (fun, friends, etc.) expressed through verbal sideline behavior? The present study investigates the complex relationship between goals and parent-child communication in youth sport.

25
Coaches’ Perspectives of the Motivational Differences Between Indoor and Sand Volleyball
Gerard A. Whalum, Scott Williamson, & Michael Rhoads
Metropolitan State University of Denver
This presentation pertains to the motivational differences between indoor and sand volleyball, using the self-determination theory of motivation as a guiding framework. Through an interview process, data was gathered from both indoor and sand volleyball coaches with the hope of enriching the motivational climate of coaches and athletes.
ORAL SESSIONS

Big Thompson: Biopsychology/Neuropsychology/Neuroscience

Moderator: Steve T. Barney, Southern Utah University

8:00 am

Duration Mismatch Negativity in Populations Expressing Psychosis-Related Symptoms
Lara N. Pantlin
Colorado State University
Faculty Sponsor: Deana Davalos

The extent to which MMN was successful at distinguishing between high-risk for psychosis and controls in a relatively homogeneous population was tested. Exploratory analyses were applied. Findings suggest MMN may be able to identify individuals who appear high-functioning, but could develop psychosis or cognitive and psychological difficulties associated with psychosis.

8:15 am

Testing for Co-opted Higher-Order Social Cognition in Autism
Heejung Jung1, Maya G. Mosner2, R. Edward McLaurin3, Shabnam Hakimi1, Jacob M. Parelman1, Jessica Kinard2, Payal Chakraborty3, Gabriel S. Dichter2, & R. McKell Carter1
1University of Colorado Boulder, 2University of North Carolina Chapel Hill, 3Duke University,

Information processing streams that support higher-order social cognitive functions could be co-opted to support non-social interests in mental disorders that exhibit social function deficits. Preliminary evidence indicates that in individuals with autism there is greater social brain structure involvement when interacting with a computer, lending credence to the co-opted hypothesis.

8:30 am

Analysis of Urinary Biomarkers in the Diagnosis of Depression
Jeremy F. Garcia, Daniel E. Hayward, Grant E. Jones, Matthew J. Nicolaou, Lauren Fowler, & Ryan A. Rowe
Weber State University

There are currently no physiological biomarkers used in the diagnosis of depression. This study analyzed levels of Brain-Derived
Neurotropic Factor (BDNF), Norepinephrine (NE), and cortisol in urine to assist in the diagnosis of depression. The aim of this study is to see if these biomarkers are associated with perceived depression.

8:45 am

**Glycemic Dependent Cephalic Phase Blood Glucose Responses to the Sight versus Smell of Food**  
Aferdit Sadrija & Lynn H. White  
Southern Utah University

Cephalic phase responses (CPRs) are anticipatory physiological changes that allow management of digestion based on food cues. Blood glucose (BG) has been identified as a CPR. This study examined BG CPRs to the sight, smell, and combined sight and smell of foods high and low on the glycemic index.

Platte River: Teaching/Educational Psychology I

**Moderator: Krista Bridgmon, Colorado State University - Pueblo**  
8:00 am

**The Essence of Being an Online Education Student**  
Amanda R. Jacobs  
University of Northern Colorado  
Faculty Sponsor: Lisa Rue

Qualitative study that explored the essence of being an educator pursuing an online master’s degree. Findings include reasons for returning to school; considerations for choosing a school; similar course structures across different programs; desire to put forth limited effort in completing coursework; and feelings of isolation from other students and professors.

8:15 am

**Is The Pen Mightier Than The Keyboard: Assessing Whether Distinct Types of Note-Taking Influence Retention**  
Keifer L. Weiland, Parker Sorenson, Bryn Boettcher, Jessica Olson, & Camille Knaphus  
Utah Valley University  
Faculty Sponsor: Jessica Hill
Research indicates that note-taking quality is strongly correlated with academic performance. Further, students who take notes on laptops tend to have poorer test performance than those who take notes by hand. The current study considered the viability of an alternative laptop note-taking method that would mitigate negative effects.

8:30 am

Merging Computer Mediated, Student Centered and Collaborative Learning Techniques in the Human Development Classroom

Dana L. Erskine
Snow College

In-class research that required students to seek out answers to their own questions (student-centered) through the analysis and evaluation of information found in professional journals (computer mediated) while working as teams. Significant results included enhanced student ability to re-evaluate prior knowledge and translate empirical information into their own words.

8:45 am

The Fundamental Test Bank Error: Preponderance Of “All of the Above” in Keyed Correct Multiple-Choice Answers

Stephen E. Buggie
University of New Mexico, Gallup

Test banks accompany textbooks. Irrelevant cues to answers should be eliminated, so that understanding is assessed rather than test sophistication. Distributions of keyed answers were assessed in many test banks; A bias exists favoring “All of the above” as the keyed answer. “All of the above” should be keyed, no more often than expected by chance.
Military Mental Health: An Examination of Maladaptive Psychopathology and Suicidality within Unique Military Sub-Samples

Moderator: Craig J. Bryan, University of Utah, National Center for Veterans Studies

Nonlinear Change Processes During Psychotherapy Differentiate Subgroups of Suicidal Patients and Signal Future Suicidal Behavior
Craig J. Bryan¹ & M. David Rudd²
¹University of Utah, ²University of Memphis
In a sample of 76 active duty U.S. Army Soldiers receiving brief cognitive behavioral therapy (CBT) for acute suicide risk, differences in the ebb and flow of suicide ideation between multiple attempters and non-multiple attempters were examined using an analytic approach couched within a dynamic systems perspective. Results suggest that nonlinear change processes in suicide ideation differ between multiple and non-multiple attempters, and may signal the emergence of repetitive suicidal behavior among first-time attempters.

Suicide Warning Signs Indicated by Specific Psychological Disorder in a Sample of Active-Duty Soldiers
Julia A. Harris¹, David M. Rudd², & Craig J. Bryan¹
¹University of Utah, ²University of Memphis
Given that 90% who die by suicide have a psychological disorder at the time of death, researchers have been identifying which disorders are associated with suicide. The current study extends upon these findings to examine the presence of specific suicide warning signs among disorders in a sample of active-duty soldiers.
Associations of Perpetrator Identity with Guilt and Shame among Military Sexual Trauma Survivors
Kirsi L. White, AnnaBelle O. Bryan, & Craig J. Bryan
University of Utah
The association of Military Sexual Trauma and PTSD with guilt and shame in a sample of military personnel and veterans was investigated. 422 U.S. military personnel and veterans enrolled in college completed self-report measures. PTSD explained higher levels of guilt and shame in both men and women who experienced MST.

Forgiveness Reduces Risk for Suicide Attempts among Sexual Assault Survivors Experiencing High Levels of Guilt
AnnaBelle O. Bryan, Craig J. Bryan, Dianna Russell-Herman, Kirsi L. White, Mira Reynolds, & Andrea Wolfe
University of Utah
Recent research shows guilt mediates the relationship between PTSD & depression w/ suicide risk and less focus identifying protective factors. We examined self-forgiveness, an established protective factor for suicide attempts, moderates the relationship of guilt with risk for suicide attempt in a military/veteran sample reporting history of sexual assault.

Effects of Intimate Partner Relationship Problems on Depression, PTSS and Combat Intensity in Pararescuemen
Gry Wheaton¹, Craig J. Bryan¹, James Stephenson², AnnaBelle O. Bryan¹, & Chad Morrow³
¹University of Utah, ²Maxwell AFB, ³Hurlburt Field
The current study examines the effect of relationship problems and combat experience on PTSD and depression in 211 pararescuemen. Results found participants indicating no relationship problems experienced no significant change in depression related to increased combat exposure, while those with relationship problems experienced an increase in depression but not PTSD.
INVITED SPEAKER
Ballroom C

Dr. Ray Bull
University of Derby, UK

Moderator: Name

Research on Improving the Interviewing of Suspects

Around the world the traditional method that has been used with suspects is to interrogate them using an accusatory style, often from the beginning of the interrogation. Recent in research in several countries consistently demonstrates that a noteworthy proportion of guilty suspects have already decided to confess before the interview commences, and thus this traditional approach may be ‘seen’ to work for them. For other suspects, however, the available research suggests that such an approach may well not be effective. Thus, a different approach began to be adopted 20 years ago in England and Wales, which has now been adopted elsewhere (e.g. in Australia, New Zealand, Norway, parts of the USA, among others). Instead of the seeking of confessions (which may provide very little information with which to confirm their validity), this ‘new’ approach has been designed to encourage suspects to provide as much relevant information as possible, the contents of which can be verified or challenged. Research and developments on how best to elicit such information and when best to disclose to suspects information known to the investigators will be described.

Samantha J. Wall, Allison G. Berthiaume, Akiko Watabe, & Michael T. Allen
University of Northern Colorado

Anxiety vulnerable individuals exhibit enhanced associative and avoidance learning. Associations in a feedback based task and generalization of this knowledge during a social exchange game involving trust decisions were tested. Anxiety vulnerable, but not non-vulnerable, individuals generalized trust behavior, but not attitudes, based on prior implicit associations and declarative knowledge.

2. Examining Non-Clinical Schizotypal Personality Disorder using Mismatch Negativity

Jenna L. Klippenstein, Brad Stewart, & Lara N. Pantlin
Colorado State University
Faculty Sponsor: Deana Davalos

The hypothesis was that individuals who were categorized as symptomatic for high-risk schizotypal personality disorder (SPD) would have reduced MMN amplitudes than those considered controls. Results indicated differences in MMN amplitudes between participants symptomatic for SPD and controls for both deviants at Cz and for Deviant 2 at Fz.

3. The Difference in Elite-Athlete and Non-Elite Athlete Concussion Recovery Times

D’Angelo M. Turner, Andrew S. Parks, Taylor B. Parker, & Jesse T. Chasteen
United States Air Force Academy
Faculty Sponsor: Christopher D’Lauro
Current data demonstrate that the return-to-play (RTP) timelines for non-elite athletes is substantially longer than elite athletes. Important factors that the study considered were the expertise of the athletic training staffs on concussions and their immediate presence when the traumatic brain injury takes place. This study for the intercollegiate athletes (elite athletes) and intramural/club sport athletes (non-elite athletes) shows the prevalence of concussions in both aspects of athletics.

4
**The Difference in Male and Female Concussion Recovery Times**
*Alyssa M. Bollig, Kristen E. Chapman, & Chloe E. Forlini*
*United States Air Force Academy*
*Faculty Sponsor: Christopher D’Lauro*

In this study the difference in the return-to-play (RTP) time between males and females were examined through baseline neurocognitive and post-concussion performance tests. Females were found to display a significantly longer RTP time than males.

5
**A Comparison of Autism-Spectrum Quotient (AQ) and Factors in Non-Clinical Populations Using Mismatch Negativity**
*Lisa M. Hirt, Asher Augustinis, Brad Stewart, & Lara Pantlin*
*Colorado State University*
*Faculty Sponsor: Deana Davalos*

The hypothesis was that individuals who were categorized as symptomatic for high-functioning Autism Spectrum Disorder (HFASD) would elicit less negative dMMN amplitudes than those considered healthy controls. Results indicated correlations between social skills and communication factors of the ASD and attenuated MMN amplitudes.

**Physiological, Behavioral, and Cognitive Effects of Short-term Consumption of a Western-Style Diet in Rats**
*Timothy J. Lackner*
*Regis University*
*Faculty Sponsor: Ashley Fricks-Gleason*

Consumption of a Western-style diet, or a high-fat high-sugar diet (HFHS), has the potential to cause deficits in spatial learning and
memory, alter the neurological connections in the striatum and substantia nigra, and further, can result in both anxious and depressive symptoms upon removal of the diet.

7

A Retrospective Risk Prediction of Other-Directed Aggression in an Individual with Mixed Dementia
Samuel T. Gontkovsky
Mercy Health
This report describes a retrospective risk analysis of information and data obtained from a clinical neuropsychological evaluation of a patient with dementia approximately two months prior to an aggressive episode in which he physically attacked his spouse, the objective being to identify variables that may have predicted his violent behavior.

8

Side Note: The Merits of the King-Devick Sideline Concussion Test
Mira K. Marchioretto, Michelle A. Butler, & Andrew D. Katayama
United States Air Force Academy
Concussion prevention and treatment currently heads neuropsychological research. In this project, we analyzed available literature to discern the reliability of the King-Devick sideline test. We’ve also delved into other sources of data to link cognitive function after exercise to the necessity for both resting and post-exercise baseline testing.

9

Examining the Neural Effects of Differing Choice Payoffs in the Prisoner’s Dilemma: An EEG Analysis
Bradley S. Robinson, Nicholas J. Wan, & Kerry E. Jordan
Utah State University
We explore how different choice payoffs in the Prisoner’s Dilemma affect neural activation. This makes it possible to investigate if and how rewards
in social dilemmas influence the decision-making process and its associated neural processes.

10
**Genetic Differences in the Serotonin Transporter Gene and Oxytocin Receptor Gene and Their Association with Emotional Sensitivity**

*Eryberto Martinez, Micah Wolfe, Lauren A. Fowler, Shannon McGillivray, & Barbara C. Trask*

*Weber State University*

Genetic variants in the serotonin transporter gene have been linked to differences in emotional sensitivity, and oxytocin receptor gene variants have had similar associations. Attentional bias to emotionally salient stimuli was assessed in the context of these genetic polymorphisms to determine the genotypic combinations involved in emotional sensitivity.

11
**My Brain is Emotional: Hemispheric Dominance and Mood State as Modulators of Autonomic Responses to Emotional Stimuli**

*Lynn H. White, Alexis B. Nelson, Tasha Lewis, & Tony Erickson*

*Southern Utah University*

Are autonomic responses to emotional stimuli dependent on hemispheric dominance and the affective state of the individual? Participants determined to be left or right hemispheric dominant watched video to trigger a positive or negative affect. The PANAS was administered before and after video presentation and skin conductance was recorded throughout.

12
**Electrodermal Activity and Behavior in Adult Male and Female College Students**

*Barbara A. Brett, Ricardo Unglaub, Aaron Vialpando, Tessa Luckini, Alaura Butler, Katie Freeman, Jarrod Mason, & Kip Whitaker*

*Colorado State University - Pueblo*

When most people experience an emotional reaction or increased cognitive workload, the brain sends signals to the skin to increase sweating. In this study, bilateral electrodermal activity was characterized in adult male and female college students during conditions of rest and reading. Gender differences were found in skin conductance levels.
FRIDAY
9:10-10:10 am

POSTER SESSION CONTINUED:
Biopsychology/Neuropsychology, Psychopharmacology, Learning
Ballrooms A/B

13
Variability in Empathic Responding Due to Sex Differences in OXTR
Chase T. Brower, Eryberto Martinez, Kaleb Shumway, Eric Trost, Parker Hughes, & Lauren Fowler
Weber State University
The rs53576 single-nucleotide polymorphism (SNP) of the oxytocin receptor gene (OXTR) has been suggested to play a role in empathic responding in humans. However, sex differences in OXTR genotype and phenotype have been noted. This study assesses differences in empathic responding and OXTR genotype between males and females.

14
Self-Compassion and Its Effects on Stress Response
Parker D. Hughes, Tahne Vongsavath, Tyson Bryant, & Shannon McGil livray
Weber State University
The current study examined the relationship between self-compassion and capacity to cope with moderate physical discomfort. Participants placed their hand in ice water while physiological measures and self-reported pain levels were assessed. It was predicted that individuals with higher levels of self-compassion would display lower physiological and self-reported pain responses.

15
Temperature Changes Due to Empathetic Responses
Lauren E. Homer, Dustin Hardman, Sam Burton, & Lauren Fowler
Weber State University
This study evaluated empathy’s effect on altering physiological functions such as temperature. Individuals watch either face to face or via video an individual placing their hand into ice water. While viewing this scene, participants’ hand temperature is measured to understand how gender and racial differences impact feelings of empathy.
16  
**Does Cannabis Use Modulate Emotional Processing in Post-Traumatic Stress Disorder?**  
*Kristina Dahlgren, Robert D. Torrence, Jeremy Andrzejewski, & Lucy J. Troup*  
*Colorado State University*  
PTSD is characterized by abnormal responses to fearful stimuli. The endocannabinoid system has been implicated in both the etiology and treatment of PTSD. This ERP study analyzes the modulatory effect of cannabis use on angry and fearful emotional face processing in individuals with and without PTSD characteristics.

17  
**Alcohol use among College Students: The Moderating Role of Adult Attachment on Sleep Quality**  
*Mindy N. Guajardo, Stephanie J. Strong, & Dilbur D. Arsiwalla*  
*University of Northern Iowa*  
The current study examines the moderating role of adult attachment style on the relationship of alcohol consumption and sleep quality among college students from a public Midwestern University. Results indicate alcohol use was associated with poor overall sleep quality among specific attachment styles (i.e., closeness, dependence, anxiety).

18  
**Factors that Influence Alcohol and Prescription Medication Abuse amongst Youth within Rural Communities**  
*Felix E. Jaramillo, Leon Bustos, Sierra Fernandez, Angel Arellano, & Ian Williamson*  
*New Mexico Highlands University*  
The study utilized focus groups to explore areas within the community that may be placing youth at risk for engaging in substance use. Results suggest local parties are a major source for youth alcohol access while unsafely stored medications appear to be source of prescription medication access.
POSTER SESSION CONTINUED:
Biopsychology/Neuropsychology, Psychopharmacology, Learning
Ballrooms A/B

19

Cannabis is Legal: A Preliminary Examination of the Predictors of Cannabis Use Among College Students in Colorado
Alyssa S. Gest & Maureen Flynn
Metro State University Denver
The purpose of the study was to examine whether known predictors of cannabis use (e.g., depression, anxiety, nicotine use, and alcohol use) also predict cannabis use among college students in a state in which cannabis use is legal. A multiple linear regression showed that anxiety predicted cannabis use.

20

Cue-reactivity of Marijuana Craving and its Impact on Reading Comprehension: A Pilot Study
Daniel Vigil, Geoa Busto, Adriana Carrillo, Kendra Davis, Erika Robles, Kerry Duck, Kristina T. Phillips, & Michael M. Phillips
University of Northern Colorado
The purpose of this experimental study was to examine the impact of marijuana craving on academic performance. Recent marijuana users were randomly assigned to either a marijuana cue group or a neutral cue group and given a reading comprehension test. Findings indicated a small effect of craving on reading comprehension.

21

Does THC Produce Anxiety in Mice?
David M. Gilliam
University of Northern Colorado
We tested whether THC produced anxiety-like behavior in mice using the Light-Dark exploration test. THC-injected mice had fewer transitions between chambers and spent significantly more time in either the dark or lit chamber than control mice. THC did not produce anxiety but rather depressed motor activity.
Learning Disabilities and Emotional Intelligence
Michelle David
Beacon College
Faculty Sponsor: AJ Marsden
The purpose of this study was to if learning disabilities (i.e., dyslexia, dysgraphia, etc.) influenced emotional intelligence. To date, no study has examined this relationship. Fifty college-age participants were surveyed and significant differences were found. This research is the first to offer evidence that learning disabilities may affect emotional intelligence.

Biological Response to Cognitive Load Theory Presented Through Reading and Music
Finnuella J. Carey
Regis University
Faculty Sponsor: Amanda Miller
Response to reading load and music exposure were detected through exhibited alpha waves measured using EEG and reading comprehension tests. Reading comprehension indicated no difference between reading loads and a small effect of music exposure. There was a small effect of reading load and music exposure on alpha waves.

Behavioral Intervals of Jump Scares in Horror Films
Nick Marsing, John Thompson, Chasik Cook, Austin Mangum, & Trey Gundry
Snow College
Can the science of behaviorism and schedules of reinforcement be applied to how effective horror movies are at making us jump? The current study endeavors to answer this very question through the viewing and data collection of over 100 horror films.
FRIDAY
9:10-10:10 am

ORAL SESSIONS

Big Thompson: Social Psychology I

*Moderator: Jeannine E. Klein, Northcentral University*

9:10 am

**Evidence that support for Donald Trump is Based on the Manipulation of Tactics Derived from Mortality Salience**  
*Michael J. Bayly, Martha S. Spiker, & Annie M. Cardell*  
*University of Charleston*

Undergraduates (80) were pretested for political orientation and were subsequently exposed to either a positive or negative article about America’s future. A mortality salience (MS) manipulation was utilized in a 2x2x2 design. A MS by political orientation effect suggests Trump’s support is based on application of mortality salience tactics.

9:25 am

**Mitigating Mortality Salience Effects with Relaxation or Mindfulness: Changes in Death Thought Accessibility and Worldview Adherence**  
*Steven M. McKinley, Hannah Liss, & Jared Schmidt*  
*Colorado Mesa University*

*Faculty Sponsor: Susan Becker*

This study examined mindfulness meditation as a method for coping with mortality salience. Participants were randomly assigned to mortality reminder meditation or control groups. World view defense and death thought accessibility were measured. Results suggest that mortality reminders may have less impact through the use of meditation practices.

9:40 am

**Humiliation: Recent Advances and Future Directions**  
*Jeff Elison*  
*Adams State University*

Elison and Harter (2007) provided an extensive review of the humiliation literature up to that time. A recent review for the Encyclopedia of Adolescence reveals subsequent findings that support previous conclusions, extend our understanding of humiliation and its association to violence and depression, and suggest future directions for humiliation research.
9:55 am

**Exploring the Relationship Between Hostile Attributional Style, Emotional Contagion, and a Belief in a Just World**  
*Holly A. Hickman, Austin J. Haider, Dillon R. Slagle, & Jacqueline Snyders*  
*Metropolitan State University of Denver*  
*Faculty Sponsor: Lisa Badanes*

The relation between levels of emotional contagion of anger, hostile attribution, and belief in a just world were examined. We found that high scores in both emotional contagion of anger and belief in a just world were both significant predictors of hostile attribution.

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**WORKSHOPS**

**Breckenridge**

**Incorporating Progress Monitoring and Outcome Assessment into Mental Health Services in Schools and Private Practice Settings**  
*Alice M. Wille, Katherine J. Evans, & Achilles N. Bardos*  
*University of Northern Colorado*

This presentation will discuss the rationale and implementation of progress monitoring and outcome assessment for mental health services in private practice and school settings using the Behavior Intervention Monitoring and Assessment System (BIMAS). Progress monitoring and outcome assessment will be discussed to include: process, tools, psychometric issues, and data utilization.
FRIDAY
10:20-11:20 am

INVITED SPEAKER
Ballroom C

Gardner Memorial Lecture
Dr. Jesse Purdy
Southwestern University

Moderator: Name

From Cuttlefish To Weddell Seals: What Can Communication Tell Us About Animal Cognition and Vice-Versa?

Most introductory textbooks in animal behavior are organized by separating the various behavioral systems into chapters like behavioral genetics, foraging, learning and memory, and so on. As a result, students tend to compartmentalize behavior and fail to appreciate that at any given point in time, an animal’s behavior reflects the sum total of many behavioral systems that are operating simultaneously. If one accepts the premise that behavioral systems interact to produce behavior, it should be possible to learn about one behavioral system while focusing on another. In essence taking the time to speculate on the nature of the interactions among behavioral systems should lead to novel experiments that significantly enhance our understanding of the root causes of behavior.

To exemplify how one might develop programmatic research within this mindset I will present a subset of my work with cuttlefish, a coleoid cephalopod whose brain is the largest in relation to its body size among all invertebrates, and my research with Weddell seals, an animal whose brain keeps its owner alive year around in what is considered the most hostile environment on this planet, the fast-ice surrounding Antarctica. Considering work with cuttlefish I will explore what we can learn about their communication system by investigating their cognitive ability. Next, I will consider how my research on communication in Weddell seals can inform attempts to assess its cognitive ability.
“Life’s Hurried Tangled Road”: A Therapeutic Jurisprudence Analysis of Why Dedicated Counsel Must Be Assigned to Represent Persons with Mental Disabilities in Community Settings
Michael L. Perlin¹, ² & Alison J. Lynch²,³
¹New York Law School, ²Mental Disability Law and Policy Associates, ³Disability Rights New York
In this presentation, we urge, using a therapeutic jurisprudence mode of analysis, that counsel be appointed to individuals with mental disabilities “currently in the community” who are likely to face the inevitable cycle of arrest-conviction-institutionalization based on behavior that is often categorized as nuisance crimes.

The Construct Validity of the Comparison Question Test for Physiological Deception Detection
Charles R. Honts¹ & Rachael Reavy²
¹Boise State University, ²Pennsylvania State University
We analyzed the debriefings of 250 participants of a mock-crime experiment of the Comparison Question Test (CQT) in an effort to distinguish competing explanatory constructs. Innocent participants accurately perceived themselves as reacting more to comparison questions. These results fail to support emotion-based explanations but support cognitive load explanations.

Corporate Interviews and Expert Testimony: What do Civil Jurors Believe about False Confessions to Theft?
William Douglas Woody, Czarina Grogan, Maeve E. Widmann, Emma L. Bixby, & Mackenzie A. Peake
University of Northern Colorado
We examined the impacts of expert testimony on civil jurors’ perceptions and decisions in cases in which former employees sue employers about fraud and loss interview tactics that lead to demonstrably false confessions. Jurors recognized the deception and found the defendant liable more often in deception conditions.
FRIDAY
10:20-11:20 am

11:05 am
Rocky Mountain High: Coloradans Changing Perceptions of Amendment 64
Tiana Johnson & Courtney Yarbrough
Colorado Mesa University
Faculty Sponsor: Jacob Jones
The following research examines data collected over two years (2013-2015) on Coloradans perceptions of the regulation and taxation of marijuana (Amendment 64). One of many discoveries that will be discussed is that Coloradans perception of marijuana and associated laws have become significantly more positive over the last two years.

11:20 am
The Role of Learning Disabilities in Sex Offenders’ Victim Preference
Bianca Baker
University of Derby, UK
Male sex offenders with or without learning disabilities were compared regarding victim preference (age/gender). It was found that (i) most sexual offenders showed a particular victim preference in that there were more ‘fixated’ offenders than ‘cross-over’ offenders, and (ii) the LD sexual offenders were mainly fixated on boys under eleven.

Platte River: Teaching/Educational Psychology II

Moderator: Leslie Cramblet-Alvarez, Adams State University
10:20am
Expect the Unexpected: Challenges and Rewards of Service-Learning
Randi Smith, Mark DeRemer, Lisa Battan, & Christopher Antillon
Metropolitan State University of Denver
In this presentation, one instructor and three students will share their experiences navigating through unexpected crises and reaching unanticipated outcomes in the context of service-learning courses. They will share some keys for creating success, via both the student and instructor perspectives.

10:35 am
Service Learning and Research Methods: A Perfect Match
Lisa R. Hagan, Kristen Lyons, Alyssa Campbell, Bradley Olson, Jacqueline Snyders, Josias Chavez, & Lindsey Sitz
Metropolitan State University of Denver
In this presentation, faculty will learn the benefits of incorporating
service learning into a research methods course. Non-profit centers who need program evaluations often welcome free data collection, analysis, and oral/written summaries of findings. Suggestions will be given on design and implementation of a service learning component to your research methods course.

10:50 am

Mentoring Adolescent Girls: An Evaluation of a Group-Based Teacher-Mentoring Program

Yvonne DelZenero1, Heidi Rolfson2, Robert Wickham1, & Jennifer Keller3

1Palo Alto University, 2Notre Dame High School, 3Stanford University

We examined the effectiveness of a unique mentoring program in which teacher-mentors work with the same students throughout high school. Effects of mentor trainings on mentors and students were examined. Self-efficacy increased with trainings and predicted student-rated mentor quality. As mentors felt more competent, students perceived them as more effective.

11:05 am

The Use of Humor in the Classroom and Its Relationship with Two Different Types of Learning

Moshe Machlev & Nancy J. Karlin
University of Northern Colorado

The current authors investigated different types of humor in the classroom as associated with specific educational outcomes: perceived learning and actual learning. A factor analysis identified two distinct types of humor (relevant/appropriate and non-relevant) used in the classroom. Results indicate relevant/appropriate humor predicts the educational outcome of perceived learning.

Durango: Health Psychology

Moderator: Nathan Deichert, Black Hills State University

10:20 am

Health Behavior Change Promotion among Religious College Students

Cody S. Broadbent, Autumn Graves, Jacob R. Gibson, & Robert R. Wright
Brigham Young University – Idaho

We examined a health promotion program among religiously active college students across three time points over 5 months. Results suggested significant improvement at post-test in physical activity and several other
changes, while at follow-up, we observed a significant decrease in sugary snack consumption and a few other sustained changes.

10:35 am

**Divergence of Perceived Treatment Efficacy in Individuals with Parkinson’s Disease and Caregivers**

*Jory Paredes, Anthony N. Parisi, Pennie Seibert, Elora W. Williams, & Colleen R. Poulton*

*Saint Alphonsus Regional Medical Center, Boise State University*

Analysis of individuals with Parkinson’s disease (PD) and their caregiver’s (CG) revealed significant differences in perception of treatment efficacy. We administered a questionnaire to 30 PD individuals and 28 CGs. The PD sample was significantly more likely to view their treatment as having greater effectiveness than that perceived by CGs.

10:50 am

**Process Evaluation of Healthy Habits, Healthy U**

*Alicia J. Anderson, Kayla George, Kyle Young, Carrie Smith, Mary Pritchard, & Caile Spear*

*Boise State University*

Two studies were conducted to evaluate a new cancer prevention program called Healthy Habits, Healthy U (HHHU) designed for 8th grade students. Results indicate the program is effective and students are able to distinguish healthy from diseased organs and set intentions for healthier habits to decrease cancer risk.

11:05 am

**Nutrition, The Medicine of Our Future**

*Sabrina M. Scanga, Josias Chavez, Luke Riley, & Megan Richmond*

*Metropolitan State University of Denver*

*Faculty Sponsor: Travis Heath*

The food we chose to consume may be one of the most practical and natural ways to save us from our costly medicinal dependencies. Let’s discuss how powerful the impact of nutrition is on our physical and cognitive health.
SYMPOSIA

Steamboat
Expanding Creativity Research: Affective and Cognitive Processes, and New Scale Development

*Moderator: Viktoria Tidikis, Northern Arizona University*

**Perceptions of Creativity: Development of a Scale to Measure the Role of Person, Process, Product and Press**
*Dana K. Donohue, Viktoria Tidikis, & Nora Dunbar, Northern Arizona University*

The purpose of this research was to conduct an Exploratory Factor Analysis to examine the factor analytic structure of a set of items generated to assess the Four P Model of creativity. Implications for the measurement of creativity, specifically of the Four P Model, will be discussed.

**When We Experience Flow: Complex Negative Emotions and Creativity**
*Ann D. Futterman Collier, Heidi Wayment, & Viktoria Tidikis, Northern Arizona University*

We examined the relationship between high arousal negative mood, creativity, and flow in college students. After recalling an angry memory, participants were asked to draw a picture about the event. We found that greater emotional intensity and flow were associated with complex drawings; and, that emotionally complex drawings predicted creativity.

**Emotions and Creativity: The Role of Attentional Breadth and Task Requirements**
*Viktoria Tidikis¹, Ivan K. Ash², & Ann D. Futterman Collier¹*
¹Northern Arizona University, ²Old Dominion University

Two experiments investigated the role of emotions in creativity. First, we looked at how mood valence and arousal interact in influencing attentional breadth. Then we tested the prediction that creativity is not a unitary cognitive process and some stages rely more on narrow, while others are aided by broad attention.
FRIDAY
10:20-11:20 am

STUDENT SESSIONS

Cherry Creek

Overcoming Barriers to Finishing Your Dissertation or Thesis
Maria T. Riva, University of Denver

*Moderator: Eddy Ameen, American Psychological Association of Graduate Students*

Do you talk more about working on your major writing project than actually writing it? Have no shame. In this session, you will hear from a panel of people who have been your shoes as they discuss different strategies to write more—less painfully—while on an academic deadline. You will also have time to complete one step of your dissertation or thesis in session!
INVITED SPEAKERS
Ballroom C

RMPA Alumni Address
Dr. Emily Balcetis
New York University

Moderator: Name

Blind Justice: Why Watching Video Evidence Biases Legal Decisions
FRIDAY
1:00 - 2:00 pm

POSTER SESSION

Ballrooms A/B
Clinical/Counseling Psychology, Psychopathology

1 Horticultural Therapy and the Neuropsychology of Schizophrenia: A Review
Jaime M. Haines
Colorado State University
Faculty Sponsor: Deana Davalos
This review compared the effectiveness of horticultural therapy to standard treatment for patients with schizophrenia. It found that several domains of functioning were improved (vocational, social, psychological, and neuropsychological). This suggests that horticultural therapy may be a much-needed integrative therapy for treating schizophrenia in an efficient and holistic manner.

2 The Relationship of Online Gaming Addiction with Motivations to Play and Craving
Nicole A. Cross
Bowling Green State University
Faculty Sponsor: Harold Rosenberg
The current study examines factors associated with online gaming addiction, including craving, motivation, passionate attachment, and game structure. On average, participants (542) met 2 of 9 criteria for Internet Gaming Disorder. The best predictors of gaming addiction and craving were obsessive passion, escapism motivation, advancement motivation, and in-game relationships.

3 Relationships Between Masculinity, Externalizing Depression, and Suicidality in College Men
Bardha Vrapi, Alexander R. Blazek, & Matthew C. Genuchi
Boise State University
Suicide in men is a highly concerning public health issue in the United
States. The purpose of this study was to investigate atypical, externalizing depressive symptoms in men and how atypical depression is related to masculinity and suicidality. The results did not indicate externalizing symptoms as related to either masculinity or suicidality.

4

**Association Between Masculinity and Depressive Symptoms in College Men and Women**

*Alexander R. Blazek, Bardha Vrapi, & Matthew C. Genuchi*

*Boise State University*

The purpose of this study was to investigate how adherence to masculine norms is associated with depression in men and women. Correlational analyses indicated variability in relationships, in that some norms were positively associated (self-reliance and emotional control) while others were negatively associated (power over women and heterosexual presentation) with depression.

5

**Labeling Effects of Borderline Personality Disorder on Stigma in the General Population**

*Nathaniel T. Brack, Taylor Vossen, & Adam Silver*

*University of Colorado Colorado Springs*

*Faculty Sponsor: Andrew Lac*

Being diagnosed with a mental disorder and having a “label” has been shown to increase mental health stigma. In comparing the attitudes of the general population with those of direct service providers this study seeks to identify whether or not diagnostic labels elicit changes in self-reported stigma in the general population.

6

**The Role of Interpersonal Relations in the Treatment for Pornography Addiction: A Qualitative Study**

*Cameron Alldredge, Morgan Condie, Ryan Busenbark, Lis Melchior, Jim Mock, & Nick Jones*

*Southern Utah University, North Dakota State University*

*Faculty Sponsor: Daniel Hatch*

A qualitative study on the treatment of pornography and the roles interpersonal relations play in the recovery process. A supportive network was
shown to help in the recovery process, while withdrawal and isolation were pinpointed as hindrances.

7 Factors Associated with Bystander Intervention: Eliciting a Helpful Role when Witnessing Cyberbullying in Southwestern Middle Schools
Alyssa Tonks & Julian J. Mendez
Westminster College
The purpose of this study was to identify what factors influence bystander-intervention when witnessing cyberbullying. Results indicated that males and those who have been victimized previously in-person were more likely to elicit a helpful bystander role. Additionally, when bystanders believe that cyberbullying is justified, they are less likely to intervene.

8 Mindfulness and the Standardized Aptitude Test (SAT): An Examination of the Effectiveness of a Brief Mindfulness Training on SAT Performance
Scott Williamson & Maureen K. Flynn
Metropolitan State University of Denver
This study examined whether a single session of mindfulness training improves cognitive performance. Results showed that participants in the single session mindfulness training condition reported higher levels of state mindfulness post-intervention than those in the control condition but there were no significant differences between groups on SAT scores.

9 A Theoretical Perspective About the Experiences of Recent Female Veterans: A Pilot Study
Tricia M. Steeves
University of Northern Colorado
Faculty Sponsor: Randy Larkins
Females are a growing population in the US military forces. Previous research has focused on male experiences, and gender-related comparative
studies surrounding psychopathology. The purpose of this qualitative pi-
lot was to understand experiences of female veterans through deployment
to reintegration. Feminist and Constructivist theories and a phenomeno-
logical method were employed.

10
**Homonegativity and Counselors’ Judgment of LGB Clients’ Well-
Being: A Moderation Test of LGB-Affirmative Counseling**
*Joseph M. Longo & Ruth Chao*
*Denver Health, University of Denver*
This study examined the moderation effect of LGB-affirmative counsel-
ning on the association between homonegativity and counselors’ judgment
of LGB clients’ well-being. The relationship between homonegativity and
counselors’ judgment of LGB clients’ well-being will be weaker among
those counselors with higher LGB- affirmative counseling competency
than others with lower LGB-affirmative competency.

11
**To Disclose or Not to Disclose: Practitioners in Training and their
Experiences and Perceptions of Personal Disclosure of Mental Health
Diagnosis**
*Dylan Ghaffari, David Gretz, & Kiersten Eberle*
*University of Northern Colorado*
*Faculty Sponsor: Brian Johnson*
Stigma around mental health diagnosis affects clients who come to
counseling and can also affect practitioners themselves who struggle with
mental health concerns. The current study aims to explore the costs and
benefits of disclosing/not disclosing one’s diagnosis to peers and supervi-
sors while training to be a mental health professional.

12
**Making Friends with Cancer: Lessons on Living with Cancer from
Multiple Perspectives at a Buddhist Monastery in Thailand**
*Wipanee Suk-erb, Mary Sean O’Halloran, & Lory Clukey*
*Mahasakham University, Thailand, University of Northern Colorado*
Cancer has far reaching impacts on patients and those who help them.
This qualitative study explored the experiences of cancer patients, family
caregivers, and medical volunteers at Khampramong Monastery, a
Buddhist treatment center in Thailand. Findings explore resilience and coping factors facilitating psychological adaptation to cancer.

13 **The Role of Shame in Treatment for Pornography Addiction: A Qualitative Study**  
*Lis Melchior, Conner Motzkus, Brad Jones, Spencer Magleby, Jim Mock, & Nick Jones*  
*Southern Utah University, North Dakota State University*  
*Faculty Sponsor: Daniel Hatch*  
A qualitative study on the treatment of pornography and the role shame plays in hindering the recovery process.

14 **The Study of Masculinity Within Boys and Girls Clubs of America for At-Risk Male Youth Members**  
*Garrett N. Kohler & Emilia Flint*  
*Black Hills State University*  
The purpose of this research is to show support for the importance of afterschool programs, like Passport to Manhood, implemented by the Boys and Girls Clubs of America at the local level for the Lead-Deadwood community.

15 **Exploring the Impact of Gender on Attribution of Motivation of Drunkorexia**  
*Sarah E. Zwetzig & Megan N. Martinez*  
*University of Northern Colorado*  
*Faculty Sponsor: Stephen Wright*  
The purpose of this study was to explore the motivations that individuals attribute to the action of “drunkorexia”, or restricting caloric intake prior to drinking, with special consideration to gender differences.
16

**Interpersonal Transgressions: Effects of Benefit Finding on Rumination**  
*Kirsten L. Graham & Rachel E. Eby*  
*Colorado State University*  
*Faculty Sponsor: Brad Conner*

Research has consistently supported the benefit of social connectedness for both physical and mental health. Preliminary research has suggested that fixating on previous interpersonal offenses may interfere with social connectedness. The current study, assessed the effect of benefit finding on participants levels of rumination about an interpersonal offense.

17

**A Preliminary Examination of Interoceptive Awareness as a Predictor of Disordered Eating in College Students**  
*Karley K. James & Maureen K. Flynn*  
*Metropolitan State University of Denver*

The purpose of the current study was to examine whether interoceptive awareness adds to the prediction of disordered eating behaviors in college students above and beyond general mindfulness, BMI, and gender. Results showed that interoceptive awareness was not significantly related to or aid in the prediction of disordered eating.

18

**Validity and Reliability of Scales Related to Mental Health Among Sexual Minority Adults**  
*Rachel M. Haug, Krystal Hinerman, & Lia Sofias-Nall*  
*University of Northern Colorado*

Given few studies assessing the psychometrics of mental health-related instruments take sexual orientation into account specifically, this study assessed the validity and reliability of measures regarding belongingness, hope, happiness, life satisfaction, self-esteem, and affect among sexual minority adults. The findings from 65 participants are hopeful for researchers.

19

**Effect of Prior Trauma Exposure on Alpha Amplitude, Heart Rate, and Self-Reported Negative Affect**  
*Gina L. DeNoble, Chris G. Buchanan, & Susan D. Lonborg*  
*Central Washington University*
This study is being conducted to determine whether the number of traumatic events an individual has previously experienced influences that individual’s physiological and psychological reactions when exposed to a negative affective stimulus followed by a mindfulness-based stress reduction (MBSR) intervention.

20
Transcranial Electrical Stimulation: Effect on Symptoms of Traumatic Stress and Autonomic Nervous System Activity
Lynn H. White, Steve T. Barney, Austin J. Gallyer, Daniel A. Blair, Scott Shumway, Amanda Brenchley, Dominic Russell, & Dakota C. Elliott
Southern Utah University
Transcranial deep brain stimulation (DBS) has putative effects on hypothalamic structures. DBS as an alternative treatment for symptoms of traumatic stress was evaluated in 40 undergraduates. Short and long term effects on autonomic arousal were assessed through skin conductance recordings at the initial, end, and 4th week post-treatment periods.

21
Psychoeducational Module to Promote Knowledge and Reduce Stigma towards Recreational Marijuana Users
Stephanie J. Strong, Mindy N. Guajardo, & Dilbur D. Arsiwalla
University of Northern Iowa
The current study assesses a 25-minute psychoeducational module designed to increase knowledge and reduce stigma towards recreational marijuana users in a more efficient, practical, and cost-effective way. Additionally, the moderating role of gender on the relationship between the level of familiarity/contact with recreational users and their stigmatized views is assessed.

22
The Effect of Eye Movement Desensitization and Reprocessing Therapy on Anxiety, Depression, and Testing Anxiety in College Students
Kimberly Sims, Bradley Jones, Norberto Rodriguez, Cameron Alldredge, Brionna Sherratt, Nickolas Jones, & Maggie Bradford
Southern Utah University
Faculty Sponsor: Daniel Hatch
Eye Movement Desensitization and Reprocessing (EMDR) therapy, a relatively new form of treatment, promotes bilateral communication within the brain to work through mental health problems. It has already been established as a helpful tool for working through PTSD, will it help students work through anxiety, test anxiety, and depression?

23
Working Alliance and Treatment Outcome for Dementia Caregivers
Karen S. Abraham & Cory K. Chen
Veteran’s Health Administration
Working Alliance has been shown to be a robust predictor of psychotherapy outcome. We examine the relationship between working alliance and treatment outcome for family caregivers of individuals with dementia receiving a behavioral intervention. In contrast to other studies, we found no significant relationship between working alliance and caregiver outcomes.

24
Assessing and Training Students for Risk Management and Suicide Prevention
David P. Gretz
University of Northern Colorado
Faculty Sponsor: Randy Larkins
Through in-depth interviews, this study assessed training already received in suicide prevention and risk management by students in a masters-level counseling program at a rocky mountain area university. It sought student perspectives on the most salient topics and preferred methods of instruction to inform a suicide prevention workshop.

25
Effect of a Brief Yoga Intervention on Perceived Stress, Mood Awareness, and Mindfulness
Conner J. Motzku & Grant Corser
Southern Utah University
A brief, 4-week yoga intervention was implemented and its effects assessed. Participants took a pre-survey to establish their baseline levels of criterion, then took four yoga classes spaced out over four weeks. A post-survey was taken after the classes. Differences in the pre/post survey means were examined.
The Influence of Peppermint on Productivity in the Workplace
Lauren M. Cooper
Central Washington University
Faculty Sponsor: Marte Fallshore
Research has shown that peppermint aroma may increase alertness and cognition. The present study examines how peppermint aroma affects productivity. Participants will be randomly assigned to either peppermint, ylang-ylang, or no aroma groups. It is hypothesized that participants in the peppermint aroma group will perform better than the other groups.

Equine Motor and Emotional Lateralization: Motor Dominance and Eye Preference in Response to a Novel Stimulus
Meredith G. McCormick & Betty Dorr
Fort Lewis College
Pedometers attached to horse participants’ forelegs were used to determine motor dominance or ambidexterity. Horses were then exposed to a novel stimulus, a pinwheel, at the end of a barn aisle, and eye preference for viewing this stimulus was documented based on which side of a barrier they approached from.

The Ethical Phenomenology of Racism
Brett M. Breton, Madison A. Hanks, & Matthew Draper
Utah Valley University
The traumatic effects of racism are examined, and a definition of racial trauma is offered. Illustrations are presented touching on the ethics of racism, in contrast to the ethics of egalitarianism as an alternative mode of being. It concludes with suggestions for potential treatment and solutions to these issues.
1:45pm

Examining Culturally Diverse Cadets’ Sense of Belonging at USAFA
Sonia Esquivel, Katrina Powell, Leah Pound, Stephanie Bossert, Lucas Brown, & Javaughn Baltrip

US Air Force Academy

Diversity and inclusion remains at the forefront of our military’s overall commitment to enhance cultural understanding. Research assessing minorities’ sense of belonging within predominately white environments could potentially advance research in the area of diversity and inclusion. This study analyzes culturally diverse students’ sense of belonging at the US Air Force Academy, a predominately white, military institution.
Personality and Emerging Adulthood Choices: Relationships Between Procrastination, Academic Dishonesty, and Career Decision Making

Moderator: Marilyn C. Welsh, University of Northern Colorado

Self-efficacy’s Mediating Influences on Career Decision Making: The Link Between Procrastination, Personality, and Pursuing Careers
David R. Williams, A. Caitlin Rohrbacher, Kathryn L. LaFary, & Marilyn C. Welsh
University of Northern Colorado
Deciding on a career is an important time for young adults. Influences can include personality, temperament, executive functioning, and tendency to procrastinate. In this exploratory study, we examined the relationships between these influences and how career decision self-efficacy acts as a mediating factor.

Academic Dishonesty, Personality, and Executive Function in Emerging Adulthood
Caitlin Rohrbacher, Kathryn L. LaFary, Marilyn C. Welsh, & David R. Williams
University of Northern Colorado
As part of a larger study, psychopathic personality traits, academic dishonesty and executive function were assessed in the context of decision making in emerging adulthood.

Personality and Temperament Influences on Student Procrastination, Their Perception of Procrastination as a Problem, and Their Willingness to Decrease It
Kathryn L. LaFary, David R. Williams, A. Caitlin Rohrbacher, & Marilyn C. Welsh
University of Northern Colorado
Student procrastination is highly prevalent and problematic in universities. As part of a larger study exploring relationships between executive functioning with personality, temperament, self-efficacy, academic dishonesty, career decision making, and procrastination, we identified key factors that predict procrastination, student’s perception that it is a problem, and willingness to decrease it.
STUDENT SESSIONS

Cherry Creek

Psi Chi Chapter Exchange: Innovative Philanthropy Idea Exchange
Robyn Aguero¹, Victoria Gibson¹, Lauren Parsons¹, Jennifer Seiders², & Luke Merrill²
¹Colorado State University-Pueblo, ²Northwest Nazarene University

Moderators: Krista Bridgmon, Colorado State University-Pueblo & Elizabeth List, Northwest Nazarene University

All members of Psi Chi and Psychology Club organizations are invited to join in group idea exchange involving chapter philanthropy. The session is informal and designed for utmost interaction among those in attendance. You will leave with innovative ideas of how your chapter can give back or pay forward.
INVITED SPEAKER
Ballroom C

APA Distinguished Scientist Address
Dr. Thomas Joiner
Florida State University

*Moderator: Name*

**Why People Die by Suicide**

In his new theory of suicidal behavior, Thomas Joiner proposes three factors that mark those most at risk of death: the feeling of being a burden on loved ones; the sense of isolation; and perhaps, chillingly, the learned ability to hurt oneself. He tests the theory against diverse facts taken from clinical anecdotes, history, literature, popular culture, anthropology, epidemiology, genetics, and neurobiology facts about suicide rates among men and women; white and African-American men; anorexics, athletes, prostitutes, and physicians; members of cults, sports fans, and citizens of nations in crisis.
POSTER SESSION

Ballrooms A/B
Psychology of Women/Diversity/Cultural, Community Psychology

1
More than Purity: Exploring Feminine Honor as a Complex Construct
Shelby R. Study & Megan L. Strain
University of Nebraska at Kearney
We examined the seemingly complex nature of feminine honor by using focus group discussions as a basis for developing scale items to assess the construct as an individual difference variable. Exploratory factor analyses are expected to demonstrate areas of feminine honor that extend beyond traditional roles and expectations.

2
Perceptions of Abusive and Negative Nonabusive Behaviors in Romantic Relationships
Kierra E. Boschma¹, Peter Simon¹, Thomas Gonzalez¹, Kelsey Allen², Xiomara C. Giovanetto¹, & Kimberly K. Hardy¹
¹Boise State University, ²Northwest Nazarene University
In a previous study, women reported feeling more upset by abusive behavior than men. The current study investigated if women reported feeling more upset by nonabusive relationship behaviors than men in an online survey. Results indicate that men reported nonabusive relationship behaviors to be more acceptable than women.

3
Going the Distance: Examining the Role of Gender on Relationship and Health Outcomes in Long Distance Relationships
Leena Anand¹, Karolina Grotkowski², Tamara G. Sher², & Steve N. Du Bois¹
¹Adler University, ²The Family Institute at Northwestern University
Utilizing a gender role socialization framework, we examined health and relationship outcomes in married individuals in long distance relation-
ships (LDR). Findings revealed increased stress and smoking among LDR men and better health initiatives in the presence of their romantic partners. Women’s health behaviors remained stable irrespective of partner presence.

4

**The Effects of Priming on Female Social Behavior**

_Elle Barta, Jeremy George, Amber Graf, Gabrielle Niemi, Elizabeth Samson, Autumn Smith, & Nikki Honzel_

_Carroll College_

The Effects of Priming on Female Social Behavior examined the time it took for females to interrupt two confederates after being primed for aggression or empowerment.

5

**Income Disparity for Faculty Women Translates to Less Enjoyment of Research**

_Madeline Welsh, Amy Davis, & Lindsey C. Fast_

_Western State Colorado University_

Using a sample of faculty from a small Liberal Arts university in the Western U.S., the relationship between income, gender, having children and the enjoyment of teaching and research was examined. Results show the disparity of income among genders significantly relates to lower enjoyment of research for females.

6

**No Means No: Coercion and Social Control During Labor and Childbirth**

_Christine L. Fiscer, Dannelle Larsen-Rife, Craig Demke, Sam Passey, & Dakota Witzel_

_Dixie State University_

Women’s experiences of coercion and social control during childbirth are becoming more widely discussed. Previous research has highlighted perceived loss of control in childbirth, but not care provider coercion. Results of this study indicate that perceived coercion during childbirth is correlated with postpartum depression and reduced maternal self-efficacy.
POSTER SESSION CONTINUED:
Psychology of Women/Diversity/Cultural, Community Psychology
Ballrooms A/B

7
**What Are Your Sexpectations? A Survey of College Students’ Perception of Sexual Behaviors, Attitudes, and Consent**
*Laurel A. Gaeddert, Haley E. Umans, Kathryn Bach, & Aimee Reichmann-Decker*
*University of Denver*
We conducted a survey at the University of Denver examining students’ perceptions of both consensual and unwanted sexual activities. This information may be used to understand further implications of sex culture in college as well as examine how professionals handle consensual and unwanted sex on campus.

8
**TRANSitions**
*Eliza E. Albin & Cynthia Erickson*
*Metropolitan State University of Denver*
This study looks at the types of questions asked to transgender people, lesbian, gay, and bisexual people, and non-transgender (cis gender) heterosexual people during interviews found on the internet and whether some of those interview questions imply a level of discrimination.

9
**Social Anxiety, Religiosity, Gender Identity, and Sexual Orientation**
*Preston L. Bradley*
*Weber State University*
*Faculty Sponsor: Theresa Kay*
Do LGBTQ individuals report experiencing higher levels of social anxiety than their cisgender and straight counterparts? Does religious affiliation contribute to higher self-reported levels of social anxiety of LGBTQ individuals? The current study examines the potential relationships between sexual orientation, gender identity, religiosity, and social anxiety.
10
Perceptions of Race-Related Interactions in the College Classroom: A Pilot Study
Emily S. Murphy, Lester A. Papa, Melanie M. Domenech Rodriguez
Utah State University
This paper will examine the impact of experimental vignettes on affect. The pilot study is to define the reliability of measures. The vignettes contain a series of race-related interactions between professors and students. The vignettes will be accompanied with a Racial and Ethnic Minority Scale (RMES) to capture microaggressions experienced and witnessed in everyday life. The research questions that will be answered are 1.) Will the vignettes impact student’s affect? 2.) Will the adapted Racial and Ethnic Microaggressions Scale have acceptable reliability?

11
Cultural and Age Differences in Thin Idealization and Body Image: A Comparison of Chinese and American Adolescents
Paul A. Klaczynski¹, Wejdan S. Felmban², & Chris Johnson¹
¹University of Northern Colorado, ²Effact University
Predictors of risky eating/dieting cognitions were examined American and Chinese boys. However, media depictions of “thin as beautiful” are available in many non-Western societies. Although American adolescents idealized thinness more than Chinese adolescents, body focus increased with age and predicted body image discrepancies in both cultures.

12
Effects of Family Support on Identity and Well-Being in Multiracial Adolescents
Clarissa E. Abidog
Boise State University
Faculty Sponsor: Mary Pritchard
Multiracial identity research has largely focused on development of ethnic identity as opposed to personal identity. The current study examines family support in personal identity exploration for single race and multiracial adolescents to identify differences in stages of identity development and well-being between both groups.
POSTER SESSION CONTINUED:
Psychology of Women/Diversity/Cultural, Community Psychology
Ballrooms A/B

13
A Qualitative Study on Late Adolescent Refugees from North Korea: Psychosocial Problems Experienced
Mi Seo, Eunbyul Lee¹, Minjee Yoon¹, Seungyun Kim², & Naseul Jung³
¹Korea Youth Counseling and Welfare Institute, ²Auburn University, ³Torrey Pine High School
As a way of addressing various psychosocial issues North Korean youth refugees living in South Korea confront, we have conducted focus-group interviews with these youth group and categorized their general problems into four parts - cultural differences, conflicts with parents, self-identity, and overcoming traumas caused by the escape experience.

14
A Pilot Study Comparing International Versus Domestic Students’ Learning Styles, Academic Adjustment, and Achievement
Maha Ben Salem
University of Northern Colorado
Faculty Sponsor: Nancy Karlin
The objective of this study was to identify learning style differences between domestic and international college students. This study assessed whether differences in learning style and academic adjustment between domestic and international students relate to their GPA. Participants included 80 students (34 international and 46 domestic). Both groups reported similar dominant learning (convergent) that correlated with academic adjustment and academic achievement. International students reported less academic adjustment than domestic students however no differences were reported in their level of achievement.

15
Understanding the Low Attendance of Low-Income Budget Classes
Zac Peterson, Yohan Delton, Grover Parham, Harry Kahuhu, Andrews Souza, Keagan Case, & Zane Johnson
Brigham Young University-Idaho
Eastern Idaho Community Action Partnership (EICAP) is an organization that aids low-income households. Some programs offered by EICAP are underutilized. A survey was administered at an EICAP food distribution event. Thirty-nine surveys were completed. Analysis showed lack of knowledge about the programs offered as the primary reason for low attendance.

16 Disseminating Suicide Safety Information in Gun Shops: A Pilot Study with Five Colorado Counties
Susan E. Becker, Ethan C. Heimforth, Jackie K. Minnillo & Sandra K. Acevedo
Colorado Mesa University
Firearms are the most prevalent means used to cause death by suicide. Colorado pilot tested promotional and educational materials designed to promote suicide safety among gun owners and retailers. This research evaluates usage and effectiveness of the materials on customers and owners and proposes improvements to the program for expansion.

17 Affirmative Consent Training: Does it Work and Can We Make it Better?
Brooke A. Bradford, Madison A. Hanks, Danni K. Petersen, Zakery Estrada, & Alexa Melena
Utah Valley University
Faculty Sponsor: Matthew Draper
Consent training is typically implemented by universities in hopes to prevent sexual assault. However, it is only a starting point. The step-by-step method currently used by many consent training programs leaves out essential components. Our research will examine current consent training curriculum, and evaluate this curriculum for retention and effectiveness.

18 Impact of Participation in a Small Music Group on the Academic Achievement of Primarily Hispanic Youth
Danielle J. Keaton, Melanie M. Domenech Rodriguez, & Sergio Bernal
Utah State University
Previous research has shown that student involvement in extra-curricular activities positively affects academic outcomes. This study explores the relationship between primarily Hispanic youths’ involvement in an instructional music group and their academic achievement by correlating their attendance in the music group with their school transcripts, attendance, and standardized test scores.

19
Using Positive Psychology in Assisted and Independent Living Settings to Enhance Well-being and Functioning
Robert F. Rycek¹, Krista D. Fritson¹, & Lee B. Elliott²
¹University of Nebraska at Kearney. ²Briar Cliff University
This study evaluated the impact of a positive psychology program on the functioning and well-being of elderly in assisted living and independent living facilities. Individuals in the program showed no decline in Activities for Daily Leaving while control individuals showed significant decline.

20
Healthcare as a Variable to Improve Existing Preventative School Violence Measures
Michelle C. Faulkner, Laura Rojas-Colin, Alexandre N. Nesovic, & Steven D. Beebe
San Diego State University
Faculty Sponsor: Claire Murphy
An exploration into the statistical relationship between the severity of school shootings and healthcare in the United States.
Natural Versus Urban Scenes: The Effect of Presence of People on Mood

Alisa B. Bartel, Alissa Carey, & Amanda Devane
University of Colorado at Colorado Springs
Faculty Sponsor: Andrew Lac

This study measured the effect that the presence of people in both urban and natural scenes may have on mood states. Results support the growing body of evidence demonstrating that nature scenes have a significant effect on mood, even in a brief online module.
ORAL SESSIONS

Big Thompson: Developmental Psychology I

Moderator: Lisa K. Hagan, Metro State University of Denver

2:10 pm

Anxiety about the End of Life in the Elder Community
Kirstin B. Jastak, Jackie K. Minnillo, & Susan E. Becker
Colorado Mesa University

This study explores mortality salience, sources of symbolic immortality and anxiety in elders who the end of their life. Elders who have no living offspring are expected to focus on sources of symbolic immortality that are more material (a charitable legacy). Results suggest ways to approach end-of-life issues with elders.

2:25 pm

Rural Older Adult Needs Assessment
Nancy J. Karlin
University of Northern Colorado

Findings suggest support structures, religious involvement, and health related issues differ between older adults from rural western Nebraska and the Eastern Plains of Colorado. Data suggests older adults currently using a HCBS are likely to use that same service in the future and report a need beyond current requirements. Colorado participants indicate higher overall current and future service use, and future need for those same services.

2:40 pm

The Making or Marring of Academic Success: An Empirical Review of Parenting Behaviors
Najia Zulfiqar
University of Nebraska - Lincoln

The behaviors that parents use to socialize with children predict academic outcomes. This paper presents a review of the link between parenting behaviors and academics. The findings showed that the absence/presence of certain parenting behaviors produced differential context-specific academic outcomes. The inconsistency in the child and parent reports offers methodological challenge.
Technology has complicated the nuanced equation of how to parent adolescents. In terms of successful parenting and acknowledging this relatively new variable in their children’s lives, parents reported they want to learn about behavioral mediation, how and why adolescents use technology, and how to integrate technology into social learning.
The Complexity of Visible and Invisible Social Identities as a Doctoral Student in Counseling Psychology

Moderator: Maria Riva, University of Denver

Exploring the complexity of visible and invisible multiple minority identities with graduate psychology students involved in research, clinical work, and community service is the focal point of this symposium.

The Beauty and Ugliness of Identity by an African American Male Forging his Counseling Psychology Career Path
Julian Frazier
University of Denver

The Juggling of Observed and Undetected Identities as a Korean Adoptee
Jared T. Utley
University of Denver

Traversing the Obstacles of Identity Validation as a Beautiful, Talented, and Intelligent African American Women
Shaakira Haywood
University of Denver
STUDENT SESSIONS

Cherry Creek
Psi Chi Award Winners Oral Paper Session

*Moderators: Krista Bridgmon, Colorado State University, Pueblo & Elizabeth List, Northwest Nazarene University*

Psi Chi Award Winners will receive their awards during the Psi Chi awards reception and raffle drawing (6:00 pm)

2:10 pm
*Contra-positional Discrimination of Anxiety & Depression Diagnostic Criteria*

*Michael C. Clark & Susan E. Becker*
*Colorado Mesa University*

The diagnostic overlap between depression and anxiety is often neglected in assessments designed to screen for these disorders. This is a psychometric study of the discriminatory power of a contra-positional methodology for item scaling which will present convergent and discriminant symptomology using confirmatory factor analysis.

2:25 pm
*Predictors of Continuing Athletic Participation: Do You Have What is Takes to be a College Student Athlete?*

*Laura Theus, Douglas E. Colman, Tera D. Letzring*
*Idaho State University*

An estimated eight million American students play high school sports, but only 460,000 go on to compete at the collegiate level (NCAA, 2015). This study investigated what personality traits predict high school athletes’ participation in intercollegiate athletics. Neuroticism (OR=.50), Openness (OR=.59), and Freedom-From-Worry (OR=1.69) were significant predictors of continuation.

2:40 pm
*A Group of One Please!*

*Katelyn J. Haschke, Brian Martinez, & Krista D. Forrest*
*University of Nebraska Kearney*

After completing a puzzle (high or low-stress) participants viewed one of two group videos where the same member either contributed to or
impeded the groups’ success. Neither stress nor member behavior influenced participants’ willingness to work in future groups. Participants indicated that across conditions they would rather work alone.

2:55 pm

**The Influence of Conservative and Liberal Messages on Attitudes Towards Same-Sex Marriage**

*Matthew H. Christiansen & Garrett Strosser*

*Southern Utah University*

The effects of ideologically-based political messages on attitudes towards same-sex marriage was assessed. Conservative and liberal participants read either a message in favor of traditional marriage or in favor of same-sex marriage. We predicted that regardless of message type, participants would become more extreme in their position after message exposure.

3:10 pm

**Religious Motivation as a Protective Buffer Against Dementia Worry**

*Jennifer R. Roberts & Abigail R. Weber*

*University of Colorado Colorado Springs*

*Faculty Sponsor: Molly Maxfield*

As rates of dementia diagnoses increase, dementia worry may also increase. Social factors, such as religious motivation (intrinsic or extrinsic), may be protective against dementia worry. Eighty-three participants completed surveys assessing religious motivation and fear of Alzheimer’s disease. Greater intrinsic motivation and extrinsic-social motivation was associated with lower dementia worry.

3:25 pm

**Condensed Self-Compassion Training Pilot Program Effective**

*Lenore K. Reinhart & Robert Demski*

*Adams State University*

This research evaluated the effectiveness of a new four-session deepening self-compassion training program. Thirteen volunteers were randomly assigned either the training program or the control group. Compared to the control group, the program participants showed significant increases in self-compassion, mindfulness, and a decrease in perceived stress.
Society for the Teaching of Psychology Address

Dr. Mary Kite
Ball State University

Moderator: Name

What I Know and What I’ve Yet to Understand: Reflections on (Nearly) 30 Years of Teaching about Diversity

APA’s Guidelines for the Undergraduate Major (2.0) emphasize socio-cultural awareness and call for a balance between focusing on negative motives and situations and responding to and resolving these issues. To do so effectively, instructors need consider both how their own and how their students’ worldviews influence classroom dynamics. I will describe research-based strategies that I have found to be effective in addressing diversity issues in the classroom, including ways to address social change. I will also discuss the challenges instructors face when teaching about these issues.
FRIDAY
3:20 - 4:20 pm

POSTER SESSION

Ballrooms A/B
Health Psychology

1 Effects of Dance for Parkinson’s Disease on Self-Efficacy and Quality of Life
Heather Engblom, Jonah Li, Michelle Dunk, Maura Gissen, Riley Cochran, Johni Mitchell, Melissa Odendahl, & Cynthia McRae
University of Denver
Parkinson’s disease (PD) affects motor functioning and is often associated with depression and declining quality of life. Individuals who participated in Dance for Parkinson’s Disease classes for an average of 12 months reported that DfPD has more impact on the psychosocial aspects of life than on functional mobility over time.

2 Relationships Between Nutrition and Health Behaviors, Psychological Distress, and Involvement in Bullying Among Young Adults
Courtney E. Sanders¹ & Cheryl E. Sanders²
¹Baylor University, ²Metropolitan State University of Denver
Does skipping breakfast play a role in bullying involvement? The relationship between breakfast consumption (and other health-compromising behaviors), psychological distress, and involvement in bullying were examined. Undergraduate students completed questionnaires to assess these behaviors, and significant differences were found between individuals who skip breakfast and those who do not.

3 Aging-Related Stereotypes and Social Support: Implications for Physical Health and Psychological Well-Being
Matthew E. Schumann¹, Rebecca Rose¹, & Tara L. Stewart²
¹Idaho State University, ²Winnipeg Regional Health Authority
The current study attempted to determine the role that social support on negative health outcomes for individuals that hold the stereotypic view that “aging causes illness” to greater or lesser extent. Results of this
study indicate that social support and aging-related beliefs independently impact physical health, life satisfaction, and depression scores.

4
External Sourcing of Self-Worth May Have Positive Health Consequences
Desiree Stegenga, Lindsey Noe, Lindsay Caprio, Timothy J. Frison, & Lindsey C. Fast
Western State Colorado University
This study examined the relationships between health, body esteem, and contingencies of self-worth. Results indicate different measures of body esteem when combined with the ‘approval from others contingency of self-worth,’ explain a significant amount of variance in an individual’s level of health. Externally sourcing self-worth may improve individual health.

5
College Sports and Activity Type: Moderators of the Positive Association Between Physical Activity and Alcohol Use
Dannette Vensel, Sara Olsen, Blake Heikes, & Lindsey Fast
Western State Colorado University
The link between physical activity and alcohol consumption in college students is examined with special focus placed on sport participation and different types of physical activity (low, moderate, high). Results indicate sport participation and type of activity can significantly influence alcohol use behaviors in college students.

6
Physical Activity Does Not Always Equal Health: Intensity of Activity Matters
Carmen Marrufo, Roree Phillips, Lindsey Noe, Dylan Nicholson, & Lindsey C. Fast
Western State Colorado University
Intensity level of physical activity and the relationship with overall health and well-being in college students is examined. Results show vigorous or high level intensity physical activity is the only form of activity to have a significant positive relationship with health.
7
**Gender Differences in Portion Control Self-Efficacy: Nutritional Skills Matter**
*Sara Olsen, Kodi Enkler, Lindsey Noe, & Lindsey C. Fast*  
*Western State Colorado University*

This study examined whether an individual's overall level of nutritional information and skills acquired had an effect on the belief in their ability to control food portion sizes. Results indicate portion control self-efficacy is stronger for males and females when nutritional skills are considered.

8
**Emotion Regulation and Well-Being in Cancer Patients**
*Liz Bowling¹, Sonia Okuyama², Esther Swan¹, Sonia Deutsch², & Kateri McRae¹*  
¹*University of Denver, ²Denver Health*

Emotions impact outcomes in illnesses such as cancer. The current study aims to measure emotion regulation in cancer patients from Denver Health. Participants were not able to successfully use reappraisal to down-regulate negative emotions. These findings imply that deficits in emotion regulation might be important to study in cancer patients.

9
**To Donate or Not to Donate? The Role of Normative Trend Data and Religion on Willingness to Donate Organs and Tissues**
*David Harper, Courtney R. Lemmon, Courtney A. Rocheleau, & Chad R. Mortensen*  
*Metropolitan State University of Denver*

This study’s purpose was to expand previous research on behavioral trends and subjective norms to organ donation decision-making. This study looked at how one’s religious group affiliation and subjective norms/behavioral trends affected the participants’ decisions to engage in the pro-social norm of donating one’s organs and tissues after death.
10
The Effects of Assessment on Body Image in Female Young Adults
Emileigh RC. Earl, Katherine A. Williams, Kara L. Winder, & Robert R. Wright
Brigham Young University-Idaho
This cross-sectional and longitudinal study aims to demonstrate that frequently checking health indicators such as weight, BMI, body fat percentage, and waist measurement can lead to negative body image in female young adults. Those who do so may be at-risk for detrimental outcomes and reduced quality of life.

11
Yoga Decreases Stress Levels in Incarcerated Women
Traci H. Lundstrom & Cynthia A. Erickson
 Metropolitan State University of Denver
Research shows that incarcerated individuals exhibit a high incidence of stress-related disorders. Yoga has been used to provide stress reduction in many settings. This study uses three years of information from female prisoners and parolees before and after attending a yoga class.

12
SCAD (Spontaneous Coronary Artery Dissection) Opportunities For Psychologists to Provide Research and Intervention for a Health Diagnosis
Kaitlin V. Ross¹, Courtney J. Stevens², & Tina Pittman Wagers²
¹University of Denver, ²University of Colorado Boulder
Spontaneous Coronary Artery Dissection (SCAD) is a serious and rare cardiac condition that is primarily diagnosed in young, otherwise healthy, women. This poster shares the results of a survey of SCAD survivors regarding their experience before and after their SCAD, highlighting the lack of accessible information about SCAD to participants and their interest in a patient education/support group.

13
Suicide in Rural Alaska Native Villages: Feeling Like There is “No Way Out”
Erika D. Colstad¹, Christopher R. DeCou², & Monica C. Skewes¹
¹Montana State University, ²Idaho State University
The ongoing health concern of suicide in rural Alaska Native communities was evaluated. Self-identified rural Alaska Native college students completed an in-depth interview regarding their experiences and perceptions of others’ suicides, possible causes that predict suicide, and the culture surrounding suicide within their villages. Findings and implications will be discussed.

14
**Working with Medical and Psychological Illness: Nurses’ Experiences in Treating Eating Disordered Patients**

*Diana Levas-Luckman¹, Mary S. O’Halloran², Jeffrey A. Rings², & Tricia M. Steeves²*

¹Eating Recovery Center, Denver Colorado, ²University of Northern Colorado

Eating disorder (ED) nurses are essential in providing compassionate patient care and facilitating vital communication among the treatment team. However, we know little about their perceptions of such work and its potential impacts. This study used phenomenological methodology to explore ED nurses’ lived experiences of working in an inpatient setting.

15
**Finding Time for Physical Activity Among Academics: Perception and Attitudes from School Faculty**

*Susannah M. Moore*

*University of Northern Colorado*

*Faculty Sponsor: Lisa Rue*

Many schools have cut physical activity. This research explored the attitudes and perceptions of elementary faculty about how physical activity fits within the school context. Eight interviews were conducted in five schools that have either added or decreased physical activity opportunity. Themes included benefits, academic competition, research knowledge, and support.
16
**Autonomic Responses to a Noxious Stimulus: The Effects of Instrumental Control, Locus of Control, Pain Coping Strategies and Self-efficacy**
*Alexis B. Nelson & Lynn H. White*
*Southern Utah University*
We assessed the effect of pain locus of control, self-efficacy, pain coping strategies, and instrumental control on pain perception and skin conductance. Instrumental control was manipulated by allowing participants to choose who would administer a noxious stimulus, or doing just the opposite of what they expressed, effectively removing choice.

17
**The Subjective Placebo Effect**
*Jessica J. Stephens & Richard Miller*
*Texas A&M University*
It was the aim of the researchers conducting this study to identify personality characteristics which related to the subjective placebo effects experienced after administration of an inert sugar pill that participants believed to be an all-natural weight-loss supplement. It was believed that some measured personality domains would relate to positive effects experienced, while other personality domains measured would relate to negative effects experienced. Therefore, this project examined these specific personality domains, which were or were not present, and compared them to placebo effect size and quality.

18
**Weed Like to Know: A Survey of the Perception and Use of Cannabis on the College Campus**
*Estee D. Hamo, Daniel C. Garcia, Aubrey Miller, & Aimee Reichmann-Decker*
*University of Denver*
This study aims to examine prevalence of use and perception of cannabis in a university setting. Little research has examined attitudes within a college-aged demographic following the statewide legalization of recreational marijuana in Colorado. Survey responses from undergraduate students include attitudes, consumption habits, perceived risk, and impact of cannabis usage.
19

The Effectiveness of Physical Activity as a Coping Mechanism for College Students
Talegria L. Brown
Boise State University
Faculty Sponsor: Mary Pritchard
The present study evaluates the effectiveness of physical activity as a coping mechanism for college students. College students participate in multiple forms of stress relief and it is hypothesized that students that are exercising more will have lower stress levels.

20

The Effects of a Brief Gratitude Exercise on Cardiovascular Responses to Stress
Ashley Cooper¹, Jack Gerdes¹, Emily Nelson¹, Micah Prairie Chicken², & Nathan T. Deichert¹
¹Black Hills State University, ²University of North Dakota
This study examined if the experience of gratitude buffered the cardiovascular response to stress. Results of our study partially support the hypothesis that gratitude functions as a stress buffer. Specifically, experiencing gratitude resulted in lower diastolic blood pressure following stress. Future research should identify mechanisms accounting for this relationship.

21

An Investigation of Electronic Hookah Use in Young Adults
Northern Arizona University
Research on electronic nicotine delivery systems (ENDS) has focused on electronic cigarettes. Electronic hookahs are emerging as a popular ENDS product. The current study provides data on prevalence estimates and harm perceptions of e-hookah use, as well as contrasts e-hookah and e-cigarette use in the sample of 399 young adults.
22  
**The Effects of Perceived Control and Trait Hope on Pain Tolerance**  
Alexandra C. Mullinix, Brianna Warnemunde, Briana Simon, Emily Nelson, Ashley Cooper, & Nathan T. Deichert  
Black Hills State University  
In this study, we examined the effects that perceived control and hope had on pain ratings. We found that subjects with more control experienced later pain onset and greater pain tolerance during a cold pressor task. This suggests that psychological control influences the way a person interprets pain.

23  
**Cardiovascular Exercise vs. Resistance Exercise: Effects on Systolic Blood Pressure Recovery Time**  
Taira J. Peterson, Alyssa J. Gonshorowski, & Emilia Flint  
Black Hills State University  
You like to run but your friend likes to lift weights, does the type of exercise you do matter when it comes to reducing stress? In this study, stress reduction was measured by comparing systolic blood pressure levels before exercises and after math stressor.
The Domain-Specific and Domain-General Relationship of Visuospatial Working Memory to Reasoning Ability
Zach M. Shipstead & Jade Yonehiro
Arizona State University
We use confirmatory factor analysis to demonstrate that visuospatial working memory (VSWM) shares a domain-general component with verbal memory tasks, and has a domain-specific component independent of verbal memory. The domain-general component correlates with visuospatial and verbal reasoning ability. The domain-specific component only correlates with visuospatial reasoning tests.

The Effect of Narrative Informational Presentation Style on Emotional Engagement, Mental Imagery and Declarative Memory Retrieval
Amalee Bowen, Nicole Versaw, & Nahanni Freeman
Colorado Christian University
In an investigation of undergraduates (n = 97), declarative memory retrieval was compared between groups who were presented with narrative vs expository facts. Narratives produced higher emotional engagement and mental imagery vividness, but these factors were insufficient to produce changes in retrieval for both an immediate and delayed recall condition.

In Decision-making, Biased Responders are More Impulsive
Laura Blackmond
Metropolitan State University of Denver
Faculty Sponsor: Lesley Hathorn
Accurate and thoughtful decision-making scores on the Cognitive Reflection Test were correlated with lower impulsivity scores whereas biased responders who gave intuitive (but incorrect) responses were positively correlated with impulsivity. Scores were not correlated with objectivism.
and the mean response of biased and correct responders indicated both claimed objective strategies.

4:05 pm

Executive Dysfunction in Trait Anxiety
Daniel E. Gustavson
University of Colorado Boulder
Faculty Sponsor: Akira Miyake

We examine the association between trait anxiety and executive function (EF) in a large latent variable study of 191 undergraduates. Results suggest that trait anxiety is associated with a factor explaining variation on nine EF tasks (Common EF), and that these associations are driven by worry component of anxiety.
Initial Interpersonal Perceptions: A Look at Testing the Accuracy of Personality Judgments

Moderator: Douglas E. Colman, Idaho State University

Idaho Test of Accurate Person Perception: Initial Creation of a Standardized Test
Tera D. Letzring, Douglas E. Colman, Jared Vineyard
Idaho State University

Person perception is a key interpersonal process, as people often assess characteristics of others. However, a standardized test of accurate perceptions does not exist. This talk will report on the initial development of the Idaho Test of Accurate Person Perception—a standardized test for assessing the ability to accurately perceive others.

The Effects of Information Quantity on Distinctive and Normative Personality Judgment Accuracy
Sheherezade L. Krzyzaniak, Jennifer S. McDonald, & Tera D. Letzring
Idaho State University

Information quantity has been shown to predict accuracy of personality judgment. Judgmental accuracy of 467 participants was assessed based on varying lengths of video-observations. Three-minute observations provided better distinctive and normative accuracy compared with other observation lengths. This suggests that information quantity affects judgment accuracy across different accuracy types.

Exploring the Components of Interpersonal Judgment: Do the Normative, Perceived Normative, Self, and Target Profiles All (Simultaneously) Matter?
Douglas E. Colman, Jennifer S. McDonald, & Tera D. Letzring
Idaho State University

Four components of interpersonal judgment were assessed using the
Social Accuracy Model (Biesanz, 2010)- nomothetic and idiographic normative accuracy, assumed similarity, and distinctive accuracy. Results indicated that all components were significant predictors of judges’ ratings, supporting the idea that variation of judgments is attributable to several underlying factors.
Several software packages can be used to fit hierarchical linear models. The lme4 package in R offers a flexible, powerful, and free set of tools for fitting, evaluating, and comparing hierarchical models. This workshop will provide a guided example demonstrating the basic process of using lme4 in R.
INVITED SPEAKERS
Ballroom C

Worth Publishing Distinguished Lecture
Dr. C. Nathan DeWall
University of Kentucky

Moderator: Name

Taming the Impulsive Beast: Self-Control as Our Greatest Human Strength

When asked to consider their personal heroes, many people list inspirational figures who overcame tremendous odds to achieve success. Maybe they are Albert Einstein, Sally Ride, Nelson Mandela, Oprah Winfrey, Martin Luther King, Jr., or the Beatles. We place these people on pedestals because they share a common human strength: self-control. This talk discusses research that links self-control individual, relational and societal well-being. Second, I discuss how self-control relies on a limited energy resource that becomes depleted after prior use. Third, I demonstrate the interplay between self-control and personality, biological and social processes. Throughout the talk, I provide useful teaching activities that challenge undergraduates to reconsider factors that contribute to their academic, personal and relationship success.
ORAL SESSIONS

Big Thompson: Teaching/Educational Psychology III

 Moderator: William Douglas Woody, University of Northern Colorado

4:30 pm

Promoting Teachers’ Use of Adaptation and Differentiation: Using the 9-Grid Tool in Content Area Classrooms to Include Students with Exceptionalities
Francie R. Murry & Amanda Balcerak
University of Northern Colorado

Audience members will hear explanation of a study for the effect of the 9-grid tool use to meet varying needs from students with disabilities, ELL, and Gifted/Talented abilities. Members will be given examples of 9-grid successful use in content areas and will practice completing a 9-grid tool for a teacher.

4:45 pm

Student Perceptions of Learning Objectives in Their Psychology Department
Veronica E. Scherbak, Mitchell M. Handelsman, & Joan T. Bihun
University of Colorado Denver

The APA, employers, and others have suggested learning goals for psychology majors and other undergraduates. We are asking students to rate how important they believe a variety of these goals are to their psychology department. Our results may be helpful to departments in formulating and achieving their objectives for students.

5:00 pm

Sensitive Material in the Psychology Classroom: Trauma, Transformation, and Trigger Warnings
Randi D. Smith & Javonne Archibeque
Metropolitan State University of Denver

Across the psychology curriculum, faculty may present controversial and potentially troubling topics which may trigger emotional traumas in specific students’ lives, threatening to overwhelm their resources and interfere with their learning. How can instructors teach emotionally-charged topics, yet avoid traumatizing/retraumatizing students whose histories create specific vulnerabilities?
5:15 pm

**Student Rating of Instruction: Link Between Personality and Evaluation**

*Madison A. Hanks, Scott May, Derick Gines, Jessica Olsen, Camille Knapphus, & Brynna Boettcher*

*Utah Valley University*

*Faculty Sponsor: Jessica Hill*

Teaching effectiveness at the college-level is measured through the use of student ratings of instruction. Professor-student rapport, student course engagement, humor and professor-student levels of extroversion influence SRI scores. We will discuss our results in the context of the validity of SRIs as a measure of teaching effectiveness.

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**Platte River: Cultural Psychology**

*Moderator: Nancy Karlin, University of Northern Colorado*

4:30 pm

**Coping with Natural Disaster and Fading Affect Bias in Filipino Memories of Super-Typhoon Haiyan**

*Rebecka D. Holman, Rafael L. Alvarez, & Angelina F. Gonzales*

*Eastern New Mexico University*

*Faculty Sponsor: Gary Bond*

Survivors of super-typhoon Haiyan in central Philippines provided memory accounts and rated emotional intensity at the event and currently. Their experience was rated significantly less negative 2.5 months after the event. Resilience of survivors was evident in their ability to bounce back emotionally from the event demonstrating Fading Affect Bias.

4:45 pm

**You are What You Eat: How Cultural Orientation can Determine Restaurant Diversity**

*Tyler L. Collette & Nathaniel Marino*

*Texas A&M University - Kingsville*

*Faculty Sponsor: Richard Miller*

The purpose of this study was to examine how a state’s cultural orientation contribute to the market makeup of their restaurants. Demographic information and restaurant diversity were examined to determine if a correlation exists. Analysis confirmed, in collectivist cities, restaurant diversity was highly correlated with demographic makeup.
The Nature of the Family Dinner
Mica N. McGriggs¹ & Andrew S. Walters²
¹Brigham Young University, ²Northern Arizona University
This study explored the intersection of culture and family dinners. Nearly all research on family dinners is correlational. Using a qualitative design, we explored mothers’ perceptions of family togetherness during family dinner. Analyses revealed family meals are a venue to replicate cultural values and heritage.

Evaluating Fashion Fluency
Joshua K. Brown
Utah Valley University
Faculty Sponsor: Steven Clark
The Fashion Fluency Scale was developed to measure how knowledge relates to fluency. This instrument is the first of its kind in this particular field. Despite the exploratory nature of the study, strong relationships have been identified among the results. The results are especially applicable to identity research and marketing.

Analysis of the Ethical Violations of Dishonesty and Hypocrisy Within U.S. Service Academy Honor Systems
Meredith J. Ortiz¹, James R. Oraker¹, Frederick V. Malmstrom¹, & Jason MacGregor²
¹University of the Rockies, ²Baylor University
Analyzing surveys completed by 2,465 graduates of all three major U.S. service academies from 1959 through 2010, we found overwhelming significance for both steadily increasing honor violations and two distinct types of hypocrisy (1) Self-deceptive, and (2) Opportunistic. Tolerance of dishonesty is by far the largest contributor to hypocrisy.
Issues Facing Professional Practitioner Ethics Violators: What Rehabilitation Model to Use?
James R. Oraker, Frederick V. Malmstrom, & Emily Roby
University of the Rockies
Violations of professional ethics are nothing new, issues including drug/alcohol abuse, compulsive gambling, and sexual boundary violations. Violators are found in all professions including, medicine, law, clergy, accounting, psychology, etc. We outline the many barriers to rehabilitation for violators and present a case study utilizing Schoener’s (1989) rehabilitation model.

A Qualitative Analysis of Choosing and Experiencing the Infantry as an Occupation
Greg A. Loebel¹, Angel Antkers¹, John Jurica¹, Tim Burke¹, Tom Pritchard², & Bryan J. Dik¹
¹Colorado State University, ²Department of Veterans Affairs
This qualitative study investigated the enlistment motivations of 11 men who specifically chose the Infantry as a military occupational specialty during a time of war, what potential meaning they experienced as infantrymen who had served in combat, and how their service may influence their post-military career paths.

Heroes and Horses: Veterans’ Experiences with an Equine-Facilitated Learning and Psychotherapy Program
Karen E. Krob
University of Northern Colorado
The purpose of this primarily qualitative research was to explore Veterans’ experiences with an equine-facilitated learning and psychotherapy program. In general, the horses, the environment, and the opportunity to connect with other Veterans were the greatest draws of the program. Outcomes suggest powerful transformative possibilities of such programs.
**INVITED SPEAKERS**

Bernadette Park, RMPA Diversity Address  
9:10 – 10:10 am

Michelle A. Butler & Lauren Scharff, Presidential Lecture  
10:20 – 11:20 am

Christopher Kilmartin, Psi Chi Keynote Address  
1:00 – 2:00 pm

Gary Packard, Special Invited Speaker  
2:10 – 3:10 pm

**STUDENT SESSIONS**

10:20 – 11:20 am  
The Prospective Graduate Student Survival Guide

**SYMPOSIA**

9:10 – 11:10 am  
Ellis-Battig Memory Symposium Studies from the Center for Research on Training, University of Colorado Boulder

1:00 – 2:00 pm  
Applying Cognitive Psychology to Education

2:10 – 3:10 pm  
Research-driven Social Change in Colorado Communities: Fighting Human Trafficking

3:20 – 4:50 pm  
5th RMPA Terror Management Symposium Meditation, Pets, and Planned Parenthood: Three Positive Tests of Terror Management Theory on its 30th Anniversary

**WORKSHOPS**

8:00 – 9:30 am  
Happiness Boosting Strategies: Incorporating Positive Interventions to Live Your Most Meaningful Life

9:10 – 10:10 am  
Measurement/Evaluation; Education/School; Military Psychology

10:20 – 11:20 am  
Developmental, Sensation & Perception

2:10 – 3:10 pm  
Memory and Cognition

3:20 – 4:20 pm  
Personality

**POSTER SESSIONS**

8:00 – 9:00 am  
Social Psychology II & History/Philosophy/Religion

9:00 – 10:00 am  
Measurement/Evaluation; Education/School; Military Psychology

1:00 – 2:00 pm  
Psychopathology; Clinical, Counseling Psychology

2:10 – 3:10 pm  
Population/Environmental Psychology (ends at 11:40)

3:20 – 4:20 pm  
Personality Psychology/Personality Assessment

**ORAL SESSIONS**

8:00 – 9:00 am  
Memory and Cognition, Perception (starts at 8:15 am)

9:00 – 10:00 am  
Psychology of Women/Gender Roles Clinical, Counseling Psychology

10:00 – 11:00 am  
Social Psychology II

2:10 – 3:10 pm  
Psychopathology; Clinical, Counseling Psychology

3:20 – 4:20 pm  
Population/Environmental Psychology

4:30 – 5:30 pm  
Psychopharmacology and Substance Abuse

5:30 pm  
RMPA Business Meeting and Reception

**SOCIAL NOTES**

8:00 – 9:00  
Psi Chi Faculty & Student Morning Coffee Break

1:00 – 2:00  
Past Presidents’ Panel

3:20 – 4:20  
RMPA Follies

4:30 – 5:30  
Psych Bowl

5:30 pm  
RMPA Business Meeting and Reception
<table>
<thead>
<tr>
<th>Time</th>
<th>BALLROOM C</th>
<th>BALLROOMS A/B</th>
<th>BIG THOMPSON</th>
<th>PLATTE RIVER</th>
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<tr>
<td>8:00-9:00 am</td>
<td>Social Psychology II &amp; History/Philosophy/Religion</td>
<td>Memory and Cognition, Perception (starts at 8:15)</td>
<td>Psychology of Women/Gender Roles</td>
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<tr>
<td>9:10-10:10 am</td>
<td>RMPA Diversity Address Bernadette Park</td>
<td>Measurement/ Evaluation; Education/ School; Military Psychology</td>
<td>Psychopathology; Clinical, Counseling Psychology</td>
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<tr>
<td>10:20-11:20 am</td>
<td>Presidential Lecture Michelle A. Butler &amp; Lauren Scharff</td>
<td>Developmental, Sensation &amp; Perception</td>
<td>Social Psychology II</td>
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<td>1:00-2:00 pm</td>
<td>Psi Chi Keynote Address Christopher Kilmartin</td>
<td>Presidents’ Panel (1.5 hours)</td>
<td>Personality Psychology/ Personality Assessment</td>
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<td>2:10-3:10 pm</td>
<td>Special Invited Speaker Gary Packard</td>
<td>Memory and Cognition</td>
<td>RMPA Award Finalists I</td>
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<td>3:20-4:20 pm</td>
<td>Personality</td>
<td>History/ Philosophy/ Religious Issues</td>
<td>RMPA Award Finalists II</td>
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<td>4:30-5:30 pm</td>
<td>Developmental II</td>
<td>Social Psychology III</td>
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**Saturday Time Table of Events**

**DURANGO** | **STEAMBOAT** | **BRECKENRIDGE** | **CHERRY CREEK**
---|---|---|---
Clinical, Counseling Psychology | Happiness Boosting Strategies: Incorporating Positive Interventions to Live Your Most Meaningful Life (1.5 hours) | Faculty & Student Morning Coffee Break |
Ellis-Battig Memory Symposium | | |
Population/ Environmental Psychology (ends at 11:40) | Applying Cognitive Psychology to Education | Impacts of Nicotine, THC and use of Electronic Delivery Devices on Adolescent Brains: What Every Clinician Needs to Know (1.5 hours) |
Psychology II | Research-driven Social Change in Colorado Communities: Fighting Human Trafficking | |
Psycho-pharmacology and Substance Abuse | 5th RMPA Terror Management Symposium Meditation, Pets, and Planned Parenthood: Three Positive Tests of Terror Management Theory on its 30th Anniversary (1.5 hours) | RMPA Follies |
Psych Bowl | | |

JOIN US at 5:30 pm for the RMPA Business Meeting and Reception
Dr. Bernadette Park

University of Colorado Boulder

Bernadette Park began her studies in Social Psychology as an undergraduate at the University of Oregon under Prof. Myron Rothbart, and completed her Ph.D. in 1985 at Northwestern University under Prof. Reid Hastie. She is currently the John and Cassie Pyle Term Chair, Professor in the Department of Psychology and Neuroscience at the University of Colorado Boulder. Her research utilizes a social cognition perspective to examine intergroup dynamics, stereotyping, and prejudice. Included in her research work are studies of the outgroup homogeneity effect - that perceivers see groups to which they belong as more heterogenous and diverse than that same group is viewed by outgroup members; racial bias in shoot/don’t shoot decisions - that in a speeded videogame task armed Black targets are shot more quickly than armed White targets, and unarmed Black targets are erroneously shot with a higher frequency than unarmed White targets; and Essentialist conceptions of motherhood - that implicit beliefs that tie parenthood more strongly to women than to men and the consequences of that for work and pay inequities for the genders. She has served as both an Associate Editor and Editor-in-Chief of the Journal of Experimental Social Psychology, and as an Associate Editor of Personality and Social Psychology Review.
Michelle A. Butler is a past-Treasurer and current President of RMPA. She has been on faculty in the Department of Behavioral Sciences and Leadership at the U.S. Air Force Academy since 1999. She is an experimental psychologist with an emphasis in behavioral neuroscience, and has been conducting inclusion research since 2008. Her research focuses on resilience, employability, inclusion/respect in individuals who are deaf or blind or who have a brain/spinal cord injury. She is currently serving on the Board of Trustees of the Colorado School for the Deaf and the Blind.

Lauren Scharff is a Past-President of the Southwestern Psychological Association (SWPA), was a Distinguished Visiting Professor in the Department of Behavioral Sciences and Leadership at the U.S. Air Force Academy, and has been the inaugural Director of the Scholarship of Teaching and Learning Program at the U.S. Air Force Academy since 2009. Prior to this, she was a Professor of Psychology at Stephen F. Austin University, Texas with a specialty in Sensation & Perception and Human Factors. She is a co-creator of the Improve with Metacognition website and co-leader of an international collaborative writing group on the topic of the Scholarship of the Student Learning Process.
Dr. Christopher Kilmartin is a college professor, author, stand-up comedian, actor, playwright, consultant and professional psychologist. He is a Professor of Psychology at The University of Mary Washington in Fredericksburg, VA. He holds a Ph.D. in Counseling Psychology from Virginia Commonwealth University and is a licensed clinical psychologist who has a great deal of experience consulting with businesses, college students, human services workers, athletic departments, the military, and counselors. His major scholarly work is The Masculine Self (5th edition Sloan, 2015, now co-authored by Andrew Smiler), which has also been translated into Korean. He has also co-authored Men’s Violence Against Women: Theory, Research, and Activism, Overcoming Masculine Depression: The Pain behind the Mask (also translated into Hebrew and Korean; 2nd edition, 2013), and Sexual Assault in Context: Teaching College Men about Gender, a manual based on his consultation experiences.

Drawing on his background as a professional stand-up comedian, Dr. Kilmartin wrote a solo theatre performance on men’s issues entitled Crimes Against Nature. This work, an integration of his scholarly and performing interests, and performed by the author, has toured to over 150 campuses and other venues for a total of 220 performances. He is currently touring with a lecture/storytelling/multimedia hybrid entitled Guy Fi: The Fictions that Shape Men’s Lives.

Dr. Kilmartin delivered the Keynote address at the NCAA Violence Prevention Summit in 2011 and has also consulted with the U. S. Department of Education, the U.S. Army and Air Force, and the international group, Democratic Control of the Armed Forces. He served as a consultant for three years with the United States Naval Academy on a revision of sexual assault and harassment prevention curriculum. He was a scriptwriter for an Army training film on the same topic.

Dr. Kilmartin was the Distinguished Visiting Professor in the Department of Behavioral Sciences and Leadership at the United States Air Force Academy for the academic year 2013-14. In 2007, he was the Fulbright Distinguished Chair in Gender Studies at the University of Klagenfurt, Austria, one of only 39 such honors awarded annually worldwide. He was elected to Fellow Status in the American Psychological Association in 2008 and is a Past President of Division 51 of that organization, the Society for the Psychological Study of Men and Masculinity, which awarded him its Researcher of the Year distinction in 2010. In 2015, the University of Mary Washington granted him its Professional Achievement Award. He has been a featured presenter at the National Psychotherapy with Men Conferences. Dr. Kilmartin is an internationally-recognized expert on gender and violence prevention.
Dr. (COL) Gary A. Packard, Jr., Professor of Psychology, U.S. Air Force Academy, is another Special Invited Speaker. He will be organizing a symposium on “A Healthy Relationship between the Military and the Social Sciences: Virtuous Revelations on Research at the U.S. Air Force Academy.” The panel will emphasize research efforts designed to improve the effectiveness, inclusiveness and respectful culture of the Air Force Academy and the Air Force.

(COL) Gary A. Packard Jr. (BS, USAF Academy; MAS, Embry-Riddle Aeronautical University; MA, Michigan State University; PhD, University of North Carolina Chapel Hill) is permanent professor and head of the Department of Behavioral Sciences and Leadership (DFBL) at the United States Air Force Academy, Colorado Springs, Colorado. He leads a diverse faculty of almost 40 psychologists, sociologists, and industrial/organizational and human-factors engineers. Gary Packard served at the Pentagon as the Air Force writer on the Secretary of Defense’s Comprehensive Review Working Group in 2010 studying the Repeal of Don’t Ask, Don’t Tell. He deployed in 2011 as the Director of Staff, 379th Air Expeditionary Wing, Southwest Asia in support of Operations ENDURING FREEDOM, NEW DAWN, and COMBINED JOINT TASK FORCE–HORN OF AFRICA. Prior to joining the faculty at the Academy, Gary Packard was commander of the 32d Flying Training Squadron at Vance AFB, Enid, Oklahoma. He has over 3,900 flying hours in T-37, T-38, T-1A, TG-7A, and KC-10 aircraft.
SATURDAY
8:00 - 9:00 am

POSTER SESSION

Ballrooms A/B
Social Psychology II & History/Philosophy/Religion

1
College Student Perceptions of Rape
Marte Fallshore & Dorothy Moore
Central Washington Univ.
A replication/extension of a previous experiment but asking further questions about rape awareness training. Basic study investigated if college students will rate the severity of rape scenarios differently depending on sex of perpetrator and intoxicated victim and whether or not the victim says no. We expect training to decrease the effect.

2
Video Game Engagement: A Factor Analysis
Manuela E. Faulhaber, Mitchell L. Hoger, Kendra Coleman, Lisa Phommath, Christopher L. Groves, & Courtney Plante
Iowa State University
Faculty Sponser: Craig Anderson
Participants played an online zombie killing game, half of which from a game critic’s perspective, and then took a 130 item survey. A factor analysis produced 7 unique factors related to player engagement. The manipulation produced a marginally significant (p = 0.054) impact on emotional engagement, but not other factors.

3
Parent Alienation and Depression Among Targeted Parents and Children
Adam C. Davis, Jennifer J. Harman, & Zeynep Biringen
Colorado State University
This study will examine the relationship between victims of parental alienation and symptoms of depression as child custody arrangements are not being obeyed from data collection of 82 surveyed/interviewed participants. Research may suggest that in turn this may have a dramatic effect on family systems and display parental depressive symptoms.
4 Exploring Different Attributes of Machiavellian and Transformational Leader Behaviors
April Park, Leo Herrman, & Katelynn Reed
Fort Hays State University
Machiavellian and transformational leader behaviors are two well-defined and extensively studied areas in social psychology. The current study explored the differences between two types of behaviors regarding a decision-making attribute and important psychological constructs related to self. Implications for the application of these relationships will be explored in the discussion.

5 Social Media Use and Behaviors
Tina L. Martinez, Kelsie Howell, Becky Jackson, & Maureen Flynn
Metropolitan State University Denver
This study examined the relationship between time spent on social media and prosocial offline behaviors. Undergraduate students (n = 123) completed surveys assessing social media use and prosocial offline behavior. Results showed that there were not statistically significant correlations between time spent on social media use and prosocial offline behaviors.

6 Preventing Backfire Effects With Trend Information When Using Social Norms for Water Conservation
Chad R. Mortensen¹, Robert B. Cialdini², Christine M. Jaeger³, Ryan P. Jacobson⁴, Ian A. Maxwell⁵, Sean T. Vieau¹, & Rebecca Neel⁶
¹Metropolitan State University Denver, ²Arizona State University, ³California State University - San Marcos, ⁴University of New Mexico, ⁵University of Iowa
Behaviors are encouraged by communicating they are normative, but attempting to encourage a behavior by lamenting it as regrettably uncommon can backfire, reducing its prevalence. We demonstrate this backfire effect in the domain of water conservation, but then prevent it by communicating the uncommon behavior is increasing in popularity.
POSTER SESSION CONTINUED:
Social Psychology II & History/Philosophy/Religion
Ballrooms A/B

7
The Career Integration of College Students Predicts Their Degree Commitment
William B. Davidson1 & Hall P. Beck2
1Angelo State University, 2Appalachian State University
An internally reliable measure of career integration was developed and validated by its association with degree commitment in 3,258 college students, after controlling for academic and social integration.

8
Free Will and Gender
Maria C. Serpas & Jorge A. Hernandez
Lynn University
Faculty Sponsor: Robert Riedel
Belief in free will has a positive correlation with self-efficacy, self-control, meaningful, and life satisfaction. Free will is a fundamental aspect of human cognition. Humans have cognitive failures/biases associated with free will. The research reports a positive correlation in the gender differences in believing in free will.

9
Influence of the Fear of Rejection and Pursuing a Potential Romantic Relationship
Nick Marsing, Victoria S. Brown, Jenessa A. Ruoho, Sarah A. Jacobsen, & Holli Ashcraft
Snow College
What exactly makes someone more or less likely to pursue another individual? Attractiveness and the fear of rejection tend to become great factors in intimidating one when it comes to pursuing a romantic relationship. Are you settling?

10
Can Love Make Your Worries Disappear? Investigating the Effects of Love on Anxiety
Candace Horne  
Weber State University  
Faculty Sponsor: Aaron Ashley  
Anxiety is associated with fear and distress, while the state of love is associated with stress reduction and euphoria. Based on these and other findings, this study investigates whether involvement in a romantic relationship is associated with the severity of worry that adults experience.

11  
Religiosity May Prevent HIV and STD Knowledge  
Bristyn M. Thompson & Lindsey C. Fast  
Western State Colorado University  
Religion is a system of attitudes, beliefs, and practices that can may effect an individual’s sexual behaviors and knowledge. This study observes religions effect on sexual knowledge and behavior. Results indicate higher levels of religiosity correlate with lower levels of HIV/STD/STI knowledge and less sexual activity in the past year.

12  
The Effect of Tattoos and Gender on Ratings of Attractiveness and Intimidation  
Christian G. Schroeder  
Regis University  
Faculty Sponsor: Amanda Miller  
The effects tattoos and gender have on human perception of intimidation and attraction were examined in this study. Men were considered more intimidating than women while women were considered more attractive than males. Tattooed individuals were considered more intimidating than nontattooed individuals.

13  
An MTurk Facial Inference Study  
Janine K. Swiney, Anthony J. Stahelski, & Mary K. Radeke  
Central Washington University  
Our study examined grouping traits as in the halo and horn effects. Participants inferred emotions and traits from pictures of young white females and males with three expressions. The results demonstrated that
traits were rated as positive for happy, negative for angry, and negative and positive traits for sad expressions.

14
Perceptions of Severe Weather: An Examination of Potential Variables in Severe Weather Decision Making
Micheala A. Mashburn, Ellen E. Mannon, Coleman A. Thompson, & Gabriela Carrasco
University of North Alabama
This study examines decision making during severe weather in regards to shelter taking/ evacuating behaviors. Another important variable being studied is the public’s understanding of probabilistic weather forecasting. We expect to find a general misunderstanding of probabilistic weather forecasting from the participants, and what weather sources are seen as most reliable by the participants and what variables affect sheltering behaviors.

15
If I Want You to Like Me, I Might Jump Off a Cliff: Sensation Seeking and Impression Management
Chelsea Meininger, Samantha Patzelt, Tomiko Hiraoka, & Lindsey C. Fast
Western State Colorado University
While existing research on sensation seeking centers around the physiology of these behaviors, this study examines whether impression construction and management effects sensation seeking. The results show dispositional impression construction and management influence sensation seeking behaviors, indicating individuals may alter sensation seeking behaviors to influence other’s impression of them.

16
Narcissism and Romantic Relationships: The Mediating Role of Social Networking Sites
Chantal N. Martinez
Boise State University
Faculty Sponsor: Charles Honts
The amount of research on social networking sites (SNS) and narcissism has amassed in recent years, requiring greater levels of variable specification. Testing the relationships among key variables is imperative when trying to understand the impact of these technological forums. This study investigates the impact of SNS use within romantic relationships while considering narcissism.

17 Framing Effects on Subjective Mediums of Art: Social Cognitive and Individual Differences
Camille L. Wheatly¹, Grant C. Corser¹, & Joseph M. Goodman²
¹Southern Utah University, ²Illinois State University
Does contextual information, such as an artist’s name, influence the perceived value of a painting? This study investigated framing properties of contextual evidence on the perceived value of a work of art. Measures of personality were also included to investigate individual differences in the framing process.

18 Is Atheism a Religion?: A Terror Management Theory Perspective on Atheism as a Source of Symbolic Immortality
Amanda M. Harvey & Sharlynn Thompson
University of Colorado, Colorado Springs
Faculty Sponsor: Andrew Lac
According to Terror Management Theory, worldviews that provide symbolic immortality protect from fears of death. We challenged atheist and agnostic participants’ worldview to determine whether it is used as a source of symbolic immortality. Participants had decreased, rather than increased, death though accessibility after the worldview challenge.

19 Bilateral Alternating Sound Stimulation as a Means to De-escalate Negative Affect, Aggression, and Autonomic Arousal Following Violent Video Game Play
Lynn H. White¹ & Burgess A. Milner²
¹Southern Utah University, ²Cedar High School
Participants played a violent video game for 15 minutes. Thereafter, they listened to sounds that either alternated between the left and right ears, or were presented to both ears simultaneously. Alternating sounds increased aggression following the game, but relative to sounds presented simultaneously, had no effect on ANS activity.

20

Getting the Girl: The Matching Hypothesis within Religiosity and Academic Performance
Darlene L. Chatterton, A.J. Floor, & Robert R. Wright
Brigham Young University - Idaho
Extending the theory, we examined the Matching Phenomenon in terms of attraction between similar attitudes and behaviors within religious and academic values using a pre-post design. Our findings supported this theory in regard to religious attitudes and behaviors, but not academic.

21

Masturbation and Sexual Behaviors: Self-Gratification Leads to ... More Gratification
Amber Baumann, Madeline Welsh, & Lindsey C. Fast
Western State Colorado University
Although masturbation is historically regarded as taboo practice (Bullough, 2008), numerous benefits result with its use (Coleman, 2003). The relationship between sex education, age of virginity loss, and age of first masturbation is examined; findings show earlier participation in masturbation results in earlier virginity loss. This association compels further research.

22

Gender but Not Narrative Perspective is Associated with Beliefs and Attitudes toward Rape Survivors
Keren A. Bakke, Melissa J. Acosta, & Robert M. Demski
Adams State University
This study investigated the association of narrative perspective and gender on rape myth acceptance and attitudes towards rape victims. Participants listened to a fabricated and audio recorded description of a rape from the survivor’s or a bystander’s perspective. A main effect was found for gender and narrator perspective approached significance.

23  
**Effect of Religious Authority on Acceptance of Evolutionary Theory**  
*Hendrik J. Ombach, Eric Trost, & Aaron Ashley*  
*Weber State University*  
Effects of authority appeal on acceptance of evolution were assessed. Participants were given a pro-evolutionary statement from religious authorities, or an unrelated article. Next participants were shown videos explaining the evidence for evolution or an unrelated video. Acceptance was then assessed to test for changes due to authority appeal.

24  
**Associations Between Levels of Intrinsic Religiosity and Processing of Sexual Words**  
*Kandalyn H. Fogg, Aaron Ashley, & Todd Baird*  
*Weber State University*  
The present research was designed to assess the relationship between an individuals’ level of religiosity and their responsiveness to sexual terms. A correlation between religiosity and response times was hypothesized, such that participants with higher levels of intrinsic religiosity would show longer response times to sexual terminology.

25  
**Naive Realism in Religious Doctrine Identification**  
*Austin Hernandez, Taylor Clegg, Jordan Spackman, Adrian Woodmansee, & Max Slater*  
*Snow College*  
*Faculty Sponsor: Nick Marsing*  
Due to the current religious tension in the world, identifying the relationship between naive realism, our opinions, and religious out-groups will help us to better understand the effects naive realism has on our perceptions of other religious views, and subsequently our ability to accept truth from those other sources.
ORAL SESSIONS

Big Thompson: Memory and Cognition, Perception (starts at 8:15)

Moderator: Cynthia Erickson, Metro State University

8:15 am

Memory narrowing in natural disaster: Filipino memories of super-typhoon Haiyan
Elan L. Olivier, Tyler M. Mckennon, Rebecka D. Holman, & Rafael L. Alvarez
Eastern New Mexico University
Faculty Sponsor: Gary Bond
Emotion improves memory for central details of emotional experiences but for peripheral details, memory is diminished. This phenomena is known as memory narrowing. Survivors of super-typhoon Haiyan provided memories of their experiences and a positive memory. Participants centrally focused on movement through space, providing evidence for memory narrowing toward threat.

8:30 am

The Role of Gender, Stress and Cognitive Function
Ian A. Maxwell, Sean Vieau, Austin Haider, Julian Malek, & Aryanna Wiggins
Metropolitan State University of Denver
Faculty Sponsor: Lisa Badanes
The role of gender between male and female were examined in regards to low acute stress levels and their relation on cognitive function. In a sample of 192 participants, it was found that when low acute stress originated from a male source, cognitive functions were improved.

8:45 am

Coping with a MAD World: Visual Search Strategies in Dynamic Environments
Collin Scarince & Michael C. Hout
New Mexico State University
Laboratory visual search experiments typically utilize stationary objects; however, search in the real world is considerably more dynamic. Here, we utilized a dynamic visual search display to investigate search efficiency in dynamic settings. We found that participants used reoccurring features to guide their search and often terminated search too early.
Platte River: Psychology of Women/Gender Roles

Moderator: Lisa Hagan, Metro State University

8:00 am

Relationship Between College Major and Self-Esteem in Women
Ashma Shrestha
University of Utah
Faculty Sponsor: Lesa Ellis
The widely spread gender disparities and discriminations that take place in the STEM fields lead me to hypothesize that female college students in STEM will be more likely to have lower self-esteem and body satisfaction in comparison to female college students in social sciences/humanities/liberal arts field.

8:15 am

Should Love Hurt? Acceptance of Abusive Behavior within Romantic Relationships
Thomas Gonzalez¹, Xiomara C. Giovanetto¹, Kierra E. Boschma¹, Peter Simon¹, Kelsey Allen², & Kimberly K. Hardy¹
¹Boise State University, ²Northwest Nazarene University
Women have reported feeling more upset by abuse in previous relationships than men. The current study investigated associations in current relationships using an online survey. Results indicate that although women report feeling more upset by psychological abuse in current relationships, men report being more upset by physical abuse.

8:30 am

Sex Differences in Self-Reported Outcomes At Five Years Post-Traumatic Brain Injury
Emily E. Carroll, Katherine E.M. Nassans, Pennie Seibert, Colleen R. Poulton, Elora W. Williams, & Christian Zimmerman
Saint Alphonsus Regional Medical Center, Boise State University
Analysis of sex differences for individuals with a traumatic brain injury (TBI) revealed significant differences at five years post-injury. Participants were tracked from onset of injury, through rehabilitation, and community reintegration. Follow-ups completed at the 6-month, 1-year, and 5-year revealed psychosocial and health factors impacting patient outcomes.
The Ambivalent Sexism Inventory and the Moral Case Against Benevolent Sexism

John D. Draeger

This presentation offers an analysis of major themes emerging from both the psychological and philosophical literatures on benevolent sexism. Psychological studies draw on the Ambivalent Sexism Inventory and reveal a range of harms. Philosophical discussions explore the conceptual nature of those harms (unequal, unfair, disrespectful). Each literature complements the other.

Durango: Clinical, Counseling Psychology

Moderator: Ruth Chao, University of Denver

Are Race and Parental Involvement Related to Victimization via Technology? Factors Predicting Cyberbullying and Cyber-Victimization

Hannah M. Wright¹, Julian J. Mendez¹, & Sheri Bauman²

¹Westminster College, ²University of Arizona

We explore if the rates of cyberbullying and cyber-victimization differ significantly by race and if race and parental involvement predict becoming a cyberbully or cyber-victim above and beyond other predictors. Data for this project were collected from a diverse sample, which included 479 middle school students from three school districts.

Eating Behaviors, Motivations for Exercise, and Attitudes about Weight among Collegiate Athletes

Anna Holdiman & Mary Kate McGuire

Boise State University

Faculty Sponsor: Mary Pritchard

The present study evaluates collegiate athletes eating behaviors, motivations for exercise, and attitudes about weight. We compare eating attitudes and behaviors in male and female collegiate athletes in sports where leanness is emphasized (e.g., wrestling, cross country, track) v. athletes in sports where leanness is not emphasized (e.g., tennis, football).
8:30 am

**Marriage: Gratitude Improves Marital Satisfaction**

*Natasha Lewis, Daniel Hatch, Nick Jones, Andrea Empey, Kim Sims, & Norberto Rodriguez*

*Southern Utah University*

*Faculty Sponsor: Daniel Hatch*

Gratitude, if thought upon, can increase marital satisfaction over a brief period of time (Gordon, Arnett, & Smith, 2011). We found that when participants demonstrated gratitude for their spouse and wrote about the experience, that marital satisfaction increases. Participants were tested four different times over the course of six months.

8:45 am

**Childhood Pornography (“Erotic Materials”) Exposure: An Exploration and Comparison**

*Lacy A. Bentley & Cameron R. John*

*Utah Valley University*

This study investigates a broader context of pornography and understanding of the female dynamic of exposure and usage. Participants reported lower mean age of exposure than previously research suggests. This is a mixed methods study. Types of exposure, latency periods, how exposure occurred and subsequent use are explored and compared using the male/female dichotomy.
Happiness Boosting Strategies: Incorporating Positive Interventions to Live Your Most Meaningful Life

Alexis Bachik, Janeen McQuarrie
Metro State University of Denver

Have you ever asked yourself, “What can I be doing to increase my happiness?” Positive Psychology is the scientific study of human flourishing. In this session, we will explore Positive Interventions that have been substantiated empirically to increase positive emotions and lead to enhanced well-being. Invited Speakers
The past 60 years have witnessed unprecedented change in the roles and opportunities afforded to women. Still, women continue to experience unequal work and family outcomes relative to men. Work from our lab focuses on social cognitive factors that shape construal processes, particularly around motherhood, that we suggest contribute to these inequities. Women are more strongly associated with motherhood than men are with fatherhood, and while the category mother is associated with parenting, father is associated with work. Trait attributes seen as characteristic of moms share relatively little overlap with those that characterize professionals, whereas dads and professionals share a great deal in common. Even at an undergraduate level, young women trade-off their parent and professional identities (that is, either one or the other but not both are activated) in a way that young men do not. We argue these effects are driven in part by more essentialist conceptions of mothers than fathers. That is, the category mother is imbued with special properties: It is viewed as a deeper, more lasting, and more real category than the category father. In trying to “have it all,” women experience a psychological conflict in their most basic identities, those involving work and parenting, not true of men. Cultural stereotypes and essentialist perceptions of mothers make it difficult for women to feel they can simultaneously excel at both, and family-unfriendly social policies further validate this message. If as a society we are serious about “closing the wage gap” and increasing representation of women in advanced positions within institutions and the corporate world, fostering policies that enable young parents to successfully manage careers and a family (e.g., paid parental leave, flexible work schedules, on-site high quality and affordable day care) will be needed.
1 Teachers’ Perceptions of Mindfulness in the Classroom
Rachel McGill & Bethany Fleck
Metropolitan State University Denver
This study sought to understand teachers’ perceptions and use of mindfulness in the classroom. K-12 teachers took an online survey. The majority reported using mindfulness often. Exploratory analyses investigated SES, student’s grades, and student stress. Reasons for not using mindfulness are discussed.

2 Perceptions of Bullying: Connecting the Experiences of Elementary Students, Teachers, and Administration
Blake N. Tubbs
Weber State University
Faculty Sponsor: Aaron Ashley
Understanding perceptions of bullying and bullying experiences in elementary schools is essential for implementing prevention/intervention in the classroom. This research uses qualitative semi-structured interviews to compare perceptions of bullying between 2nd grade students, teachers, and school administration. Data will be analyzed with Atlas.ti software for common codes and themes.

3 Barriers to Implementing MTSS: An Analysis of Literature and Experiential Data
Leisha Tompkins & Achilles N. Bardos
University of Northern Colorado
Multi-Tiered Systems of Support (MTSS) can be effective in identifying students at-risk for behaviors that are undesirable in the school environment. In this presentation, barriers to implementing MTSS with fidelity
are examined and explored through scholarly writings and feedback from leaders in modern school psychology.

4

Communication of Zero Tolerance Policies
Nick Marsing, Kessa M. Newey, Brittney Zahn, & Samantha Kirby
Snow College
Zero tolerance policies are sets of rules which require schools to suspend students in the event that they are in possession of a weapon on school property. Adequate communication of these policies is essential to the success of the schools who implement them.

5

What is the Optimal Study Environment for Students High in ADHD-Like Symptoms? A Pilot Study
Emily D. Robinson, Scott D. Martin, Mandy K. Case, Samantha J. Howe, & Hayley Miller
Brigham Young University Idaho
The present study compares college students with ADHD-like characteristics to college students without. It was hypothesized that the ADHD-like group would out perform the non ADHD-like group in a concentration task in an environment with heightened noise. Results from a series of pilot studies offer initial support for study hypotheses.

6

Pilot Study of I Control: A Self-Regulatory Intensive Intervention for Middle Schoolers with Emotional and Behavioral Disorders
Courtney E. Allen
Adams State University
Investigators studied the effects of I Control, an intensive self-regulation curriculum for middle schoolers with significant behavior problems. Results showed I Control students had better teacher-reported general behavior, contextualized executive function, social skills, emotion regulation, and social problem-solving skills compared to control students.
7

Understanding the Lived-Experiences and Worldviews of Outdoor Education Guides: A Qualitative Approach
Julia S. Collier, Nora Dunbar, & Luke Chiverton
Northern Arizona University
The way guides of outdoor education programs (OEPs) perceive nature directly affects their students’ experience (Grimwood, 2004). Guides from OEPs (e.g. Grand Canyon Youth, Outward Bound) were interviewed to extract common themes and concepts regarding their relationship with nature. This project sheds light on the ecological experience of OEP students.

8

Ecological Momentary Assessment in Educational Contexts over the Past 15 years: A Systematic Review
Kerry D. Duck, David Williams, Michael M. Phillips, & Akiko Watabe
University of Northern Colorado
Ecological Momentary Assessment (EMA) affords researchers the ability to gather data in the moment. We conducted a systematic review focused on how this methodology has been used in the educational field over the last 15 years. Based on our results, we have drafted guidelines for researchers reporting EMA studies.

9

A Paradigm Shift in Public Engagement through Parent-Training Programs in Five Public School Districts
Rena A. Kirkland & John Poynton
University of Northern Colorado
We examined the impact of parent-training programs designed to increase capacity for effective public participation in five K-12 public school districts. We report six themes that emerged from 21 parent interviews and five 5 superintendents of school. Collectively, findings demonstrated a fundamental shift in the capacity for public engagement.
10 Effect of Positive Encouragement on Exam Scores and Study Habits
Steven C. Feldman, Justin Galiher, Carolyn McGady, Demi O’Neal, & Maureen Lynch
Carroll College
Faculty Sponsor: Nikki Honzel
This research observes how encouraging emails to undergraduate students can effect exam scores and study habits if given prior to a test. Encouraging compared to neutral (control) emails sent to participants revealed insignificant performance changes for exams in both groups but increased study habits in the control group.

11 The Impact of Neuroscience Outreach in Communities
Leighanna Hinojosa, Brenda O. Torres, Pablo Callejas, & Nicole Speer
University of Colorado Boulder
Trained undergraduate instructors, through the Intermountain Neuroimaging Consortium (INC), deliver neuroscience lessons to local classrooms with the goal of empowering students to develop their brain by being cognizant of how actions, behaviors, and the environment affect brain development. This project will investigate how the neuroscience lessons impact participants’ lives.

12 Veteran’s Transition into the Civilian Life and Workforce
Harrison G. Swift & Rena Kirkland
University of Northern Colorado

13 Work Environment Influence on Stigma and Practical Barriers
Brigham Young University
This study investigated factors in the work environment of the US military that influence barriers toward seeking help from mental health. This study revealed that higher workplace hostility, lower satisfaction toward leaders, coworkers, and one’s work were all significant predictors for greater stigma toward and practical concerns for seeking help.
14
**Addressing the Impact of Deployment on Female Servicemembers and their Youth: A Call for Further Research**  
*Deon M. Hall, Jennifer M. Geiman, & Jeffrey A. Rings*  
*University of Northern Colorado*

This presentation will form a comprehensive review of the unique experiences of female servicemembers while also investigating the effects of maternal deployment on children’s mental health. Further, this presentation will delineate the existing gaps within this literature base while also recommending future directions that may lead to greater insight.

15
**Addressing the Mental Health Needs of Transgender Military Personnel: A Call for Action**  
*Jennifer M. Geiman, Deon M. Hall, & Jeffrey A. Rings*  
*University of Northern Colorado*

The potential lifting of the ban on transgender service members highlights the need for further research to determine the availability and cultural competence of mental health services provided to gender minorities within the military. Directions for future research are explored regarding mental health concerns within this vulnerable population.

16
**Mental Health Self-Stigma, Sexual Orientation, and Self-Kindness in Military Deployment Veterans**  
*June M. Ashley, Ludwig M. Martinez, & Trelsie Sadler*  
*University of Denver*

*Faculty Sponsor: Ruth Chu-Lien Chao*

The relationships between mental health self-stigma, self-kindness, and sexual orientation within military culture were explored. Thirty-three deployment veterans completed measures of internalized stigma, self-
kindness, and demographic questions. For participants who identified as lesbian/gay, self-kindness significantly dropped when experiencing high stigma. No comparable relationship was found among participants identifying as heterosexual.

17
Exploring Relationship Satisfaction of LGB Military Personnel: A Call for Research
Julie A. Barritt, Barry L. Motter, & Nicole M. Swanson
University of Northern Colorado
Faculty Sponsor: Stephen Wright
This call for research discusses the current literature on relationship satisfaction among military couples and the risk factors of LGB individuals within a military population. However, no research exists examining relationship satisfaction in LGB military couples. Research and clinical implications are discussed.

18
The Hoffman Report: Antecedents and Consequences
Amanda D. Larsen
University of Northern Colorado
Faculty Sponsor: Jeffrey Rings
The Hoffman Report was released in July 2015; however, the precipitants date back to September 2001. This poster documents the antecedents leading to the Hoffman Report in addition to the most up-to-date consequences. Finally, an argument is made for why psychologists-in-training should pay attention to the Hoffman Report.

19
Correlates with Post-deployment Problems among Military Mental Health Personnel
Wendy J. Travis¹, Anderson B. Rowan¹, Travis R. Adams¹, Cameron B. Richardson², Danielle N. Kaufman¹, & Cara J. Renaud³
¹United States Air Force Academy, ²Penn State University
The present study assessed relationships between combat exposure, perceptions of trauma and post-deployment problems for Military Mental
POSTER SESSION CONTINUED:
Measurement/Evaluation; Education/School; Military Psychology
Ballrooms A/B

Health Personnel (MMHP). Participants were 133 MMHP with at least one completed deployment. Perception of traumatic experience independently predicted sleep difficulties, interpersonal difficulties, work difficulties, and depressive symptoms better than combat exposure alone.

20
A Psychometric Evaluation of the MSLQ and LASSI Motivation Sub-Scales
Kerry D. Duck & Michael M. Phillips
University of Northern Colorado
We examined psychometric properties of two commonly used academic motivation instruments: the MSLQ and LASSI. We also compared these two measures to other psychological constructs (e.g., impulsivity). Results indicate that the conceptualization of motivation may differ among the measures. Researchers should be careful when selecting a motivation measure.

21
Factor Analysis of the Preschool Psychological Wellness Scale
Gary P. Rempe¹, Michelle A. Godzinski¹, Sophia R. Olton-Weber¹, & Konstantinos Petrogiannis²
¹University Of Northern Colorado, ²Hellenic Open University
Faculty Sponsor: Achilles Bardos
This study involved a factor analysis of the 46 items of a developing screener: The Preschool Psychological Wellness Scale. The screener is a teacher report form used to assess the psychological well-being of children aged 2-6.

22
Preliminary Meta-analytic Findings on Ecological Momentary Interventions in Health and Psychosocial Applications
David R. Williams, Kerry D. Duck, Maaly Younis, & Steven Pulos
University of Northern Colorado
Ecological momentary intervention (EMI) has been used as a treatment protocol in psychosocial and health related research by allowing immediate feedback, but analysis of its efficacy is lacking. We examined the efficacy in a preliminary meta-analysis of 10 studies using EMI that included both a control and a treatment group.

23
Towards Dimensionality in Psychosis: A Conceptual Analysis of the Psychosis Symptom Severity (PSS)
Jessica A. Carmona & Bruce Carpenter
Brigham Young University
The Clinician Rated Dimensions of Psychosis Symptom Severity (PSS) measures the severity of psychotic symptoms in eight domains, emphasizing traditional psychotic symptomatology, cognition, and mood. The current study is a conceptual analysis of the conceptual foundation of the PSS, including its psychometric properties, applications, and demonstrated validity.

24
Driving Competence Scale: Development and Analysis
Ruth Chao, Patrick Sherry, Doris Ying Shan Zhang, Clare Zhao, Jared Utley, & Ludwig Marcello Martinez
University of Denver
Driving competence was analyzed with Factor Analysis. The three subscales and other mental health scales (i.e. self-efficacy, empathy, and sleepiness) were then analyzed with bivariate correlations. Driving skills are positively correlated with empathetic and responsible behaviors. Both driving skills and empathetic/responsible behaviors are negatively correlated with risky driving behavior and attitude.
SATURDAY
9:10 - 10:10 am

ORAL SESSIONS

Big Thompson: Psychopathology; Clinical, Counseling Psychology

Moderator: Jovan Hernandez, Metro State University

9:10 am

Childhood Pornography Exposure: A Qualitative Exploration of Female Affect
Lacy A. Bentley & Kent D. Hinkson
Utah Valley University, University of Utah
Faculty Sponsor: Cameron John

This study explores the effects of childhood pornography exposure in women. Measurements of subsequent usage, types of materials sought out, latency periods, emotions experienced at time of exposure and later in life are investigated. Comparison of male and female open ended responses are considered, and recommendations made for future study.

9:25 am

Considering the Elements Associated with Cognitive Reappraisal
Holly A. Hickman, Kelsie S. Howell, Liliana Alvarez, & Dillon R. Slagle
Metropolitan State University Denver
Faculty Sponsor: Lisa Badanes

We examined predictors of cognitive reappraisal including race, depressive symptoms, emotional contagion happiness, and mindfulness. Individuals who were lower in symptoms of depression, higher in emotional contagion happiness, and higher in mindfulness scored higher in cognitive reappraisal. Race was not a significant predictor of cognitive reappraisal.

9:40 am

Exploring Disparities in Mental Health Utilization for Ethnic Minorities: The Role of Client Therapy Expectancies
Benjamin C. Salazar & Sarah Chung
Brigham Young University

This study was developed to examine the reactions, attitudes, and views toward mental health therapy of ethnic minority and white clients and to help identify trends about how ethnic minority and white clients may differ in terms of their expectations about mental health therapy.
The present study evaluated the beliefs of eating disorder patients, former patients, and healthcare professionals working in the field of eating disorders about the concept of recovery. Patients, former patients, and healthcare professionals completed a recovery criteria checklist, as well as a survey about beliefs about recovery from eating disorders.
The Bat-and-ball Problem: Confidence and Answer Fluency
Lesley G. Hathorn¹ & Alice F. Healy²
¹Metropolitan State University Denver, ²University of Colorado Boulder
In 2 experiments, a positive correlation was found between answer fluency (how quickly the answer comes to mind) and confidence in the answer to the bat-and-ball problem, regardless of answer accuracy. Most participants who responded with the incorrect biased (intuitive) answer provided a high level of confidence in their response.

Predicting Pronunciation Variability: Implicit Learning of Words in Contexts
William D. Raymond, Esther L. Brown, & Alice F. Healy
University of Colorado Boulder
Knowledge of language reflects implicit learning from experience of distributional probabilities of linguistic units. We report on studies relating the learned contextual likelihoods of words to word pronunciation variability originating in articulatory approximations. Contextual experience is thus implicated as a source of synchronic variability and diachronic change in the lexicon.
Comparative Experience is Not Enough: Challenges For Eliciting Awareness of the Testing Effect
Adam P. Young, Alice F. Healy, Matt Jones, & Tim Curran
University of Colorado Boulder
Students are largely unaware of the benefits of self-testing. In 2 experiments students experienced both restudy and self-testing strategies in close succession. However, they largely failed to detect and capitalize upon the benefits of self-testing. These results highlight the difficulty facing teachers in eliciting appreciation of the testing effect.

Training Data Entry: Specificity and Generalizability of Perceptual and Motor Processes
Vivian I. Schneider¹, Alice F. Healy¹, James A. Kole², & Immanuel Barshi³
¹University of Colorado Boulder, ²University of Northern Colorado, ³NASA Ames Research Center
Subjects were trained on a standard data entry task and then tested on the standard task as well as on two task variants, which changed either the perceptual or the motor requirements. Surprisingly, despite the assumed orthogonal relationship between specificity and generalizability of training, evidence was found for both outcomes.

Do EReaders Aid Vocabulary Acquisition in Middle School Language Arts?
Carolyn J. Buck-Gengler & Alice F. Healy
University of Colorado Boulder
Two classes of middle school students read the same book, but half the students in each class read it with an eReader, and half read the print version. The results suggest that the teacher is more important than the learning tools in determining performance levels on vocabulary and comprehension tests.
Pushing Boundaries of Comfort to Develop and Assess Respect for Human Dignity: Anxiety at First, Now Ready for More

Since 2008, we have been exploring how to develop and assess respect for human dignity (RFHD) in several upper-level psychology courses. This responsibility outcome is often desired, but poses challenges for assessment. Our efforts focused on the impact of face-to-face interactions via high-impact field trips between undergraduate students and individuals with disabilities (e.g. individuals who attend a school for the deaf and the blind, or a rehabilitation hospital for those recovering from brain/spinal cord injuries). We developed our assessments, which focus on specific student beliefs about acceptable behaviors or attitudes. They allowed us to capture changing boundaries of comfort for interacting with targeted others and tap into cognitive, emotional and behavioral components of RFHD. We will discuss how to implement and assess these high-impact experiences in your classroom so your students can also develop greater respect for individuals who seem different.
POSTER SESSION

Ballrooms A/B
Developmental, Sensation & Perception

1. **Self-Regulation in the Educational Experiences of University Students**
   
   *Blake D. Karlin, Mackenzie Ruff, Rebecca Artzer, & Sofia Softas-Nall*
   
   *University of Northern Colorado*
   
   *Faculty Sponsor: Nancy Karlin*

   Self-regulated learning (SRL) has been studied through online courses and students’ academic achievement. A sample of 94 individuals (N = 65 males, 69.1%; N = 28 females, 29.8%; N = 1, 1.1% bigender) was obtained. Self-efficacy for educational success and evaluation of the task were related. However, neither self-efficacy or levels of motivation predicted self-regulation.

2. **Moral Disengagement: What Factors Predict Unethical Behavior?**
   
   *Natasha M. Amiri, Katelyn Anderson, & Cheryl Sanders*
   
   *Metropolitan State University Denver*

   Do relationships with parents and friends or opinions about aggression play a role in moral disengagement? The relationship between parental attachment, peer attachment, beliefs about aggression, and moral disengagement were examined. Three-hundred undergraduates completed questionnaires to assess these behaviors and the significant relationships between these variables will be discussed.

3. **The Role of Self-Regulation in Maintaining Relationships**
   
   *Sofia Softas-Nall, Blake D. Karlin, Mackenzie Ruff, & Rebecca Artzer*
   
   *University of Northern Colorado*
   
   *Faculty Sponsor: Nancy Karlin*

   A sample of 94 individuals (N = 65 males, 69.1%; N = 28 females, 29.8%; N = 1, 1.1% bigender) was obtained. Using a modified Locke-
Wallace survey the current sample did not report that the MSLQ sub-scale for motivation predicted relationship satisfaction. However, additional findings indicate that self-regulation predicts perceived ability to maintain a relationship in college students.

4 The Influence of Relational Support on Parental Self-Efficacy
Clarissa E. Abidog & Cynthia G. Campbell
Boise State University
This research investigates the degree to which relational support influences parental self-efficacy. Although both mothers and fathers seek support similarly from significant other, family, and friends, spousal support is a strong predictor of fathers’ parental self-efficacy, whereas mothers’ self-efficacy is linked more moderately to support from both spouse and family.

5 Self-Handicapping and ADHD in Emerging Adulthood
Harold A. Kanter, Patrick A. LaCount
University of Wyoming
Children with ADHD have higher self-handicapping scores than controls. Children and adults both utilize self-handicapping tendencies. Results support the hypothesis that emerging adults fitting an ADHD diagnosis will report significantly more self-handicapping tendencies than participants that do not fit an ADHD diagnosis. Future implications on impairment are discussed.
6 The Relationships Among Covariation Judgments, Gender Biases, and Numeracy During Childhood and Adolescence
Wejdan S. Felmban¹, Paul A. Klaczynski², Chris Johnson², & Crystal Mendoza²
¹Effat University, ²University of Northern Colorado
Two hundred and thirty-four 9-15 year-olds responded to boy- and girl-favorable covariation judgment problems. Own-gender favorable increased with age but other-gender favorable performance decreased with age. Gender biases therefore increased with age, but were moderated by numeracy: Age related positively to biases only when low numeracy was low.

7 Maternal Gatekeeping, Perceived Child Vulnerability, and Parental Overprotection
Jennifer A. Weseman & Cynthia G Campbell
Boise State University
Maternal Gatekeeping has amassed a complex and sometimes contradictory body of research seeking to define and identify the causes while explaining the effect on relationships and co-parenting quality. This study investigates the relationship between maternal perceived child vulnerability, overprotective behaviors and three facets of maternal gatekeeping: control, discouragement, and encouragement.

8 Attachment Style of Mothers as Predictor for Maternal Gatekeeping and Marital Quality
Chantal N. Martinez & Cynthia G. Campbell
Boise State University
The present study examined attachment styles as predictors of marital quality and maternal gatekeeping, including both facilitative and inhibitory behaviors. While both attachment and marital quality predicted gatekeeping behaviors, anxious attachment was found to be an important predictor of maternal gatekeeping after controlling for marital quality.
POSTER SESSION CONTINUED:  
Developmental, Sensation & Perception  
Ballrooms A/B

9  
**Elements of Maternal Identity as Predictors of Maternal Gatekeeping Behaviors**  
*Hailey E. Weatherby & Cynthia Campbell*  
*Boise State University*  
While maternal identity has been associated with maternal gatekeeping behaviors, the mechanisms of motivation remain unclear. This study investigates individual elements of maternal identity including prominence, role gratification, personal sacrifice, and contingent self-esteem as faucets of maternal identity that may motivate gatekeeping behavior.

10  
**Aversion to Obesity: The “Mere Proximity” Effect in Chinese and American Preschoolers**  
*Paul A. Klaczynski¹, Wejdan S. Felmban², Brynn Michaels¹, & Chris Johnson¹*  
¹*University of Northern Colorado, ²Effat University*  
To examine whether mere association with obese children leads to stigmatization, Chinese and American 3-5 year-olds average-weight peers (targets) pictured with thin, average-weight, disabled, and obese peers. Findings indicated that targets were perceived more negatively when associated with obese peers, that children in the two cultures were remarkably similar in their perceptions, and that older children perceived targets more negatively than younger children.

11  
**Attachment Style and Age of Introduction to Sexual Behavior**  
*Terynn Frisby*  
*Dixie State University*  
*Faculty Sponsor: Dannelle Larsen-Rife*  
The present study collected data from over 800 participants to study the correlation between attachment style and onset of sexual activities.
It was found that adolescents with an insecure or anxious attachment participated in sexual activities at an earlier age than those with a secure attachment.

12 **Who Knows What Little Red Riding Hood Believes and Feels?**  
*Sandralee Dansie¹, McCall Cook¹, Eric Amsel¹, Lynne Goodwin², & Wes Whitby²*  
¹Weber State University, ²Treehouse Children’s Museum  
Sixty 4- to 7-year-old children played roles of the narrator, Little Red, or the wolf in a version of Little Red Riding Hood (LRRH). Participants playing the wolf role were better able than others to correctly answer questions about what LRRH believed and felt when knocking on Grandma’s door.

13 **Adverse Childhood Experiences, Maternal Attachment and Birth Interventions**  
*Dannelle Larsen-Rife, Christine Fiscer, Craig Demke, Sam Passey, Dakota Witzel, & Christine Beers*  
Dixie State University  
Women’s adverse childhood experiences (ACE), attachment representations, and childbirth interventions were examined. Participants completed the ACE, and Relationship Structure Questionnaire; childbirth interventions were obtained from medical records. Results indicate ACE and attachment representations are important psychological factors in understanding high rates of infant mortality in the United States.

14 **The Effects of Sleep Problems on Externalizing and Internal Behaviors Among Children of Alcoholics**  
*Heidi J. Higgins, Maria M. Wong, & Kathryn Lachance*  
Idaho State University  
This study investigated the relationship between sleep problems and internalizing/externalizing behaviors among children of alcoholics and controls. Forty children ages 8-12 completed a self-report on
internalizing and externalizing behavior. After controlling for gender, age and parental alcoholism, sleep problems significantly predicted externalizing and internalizing behavior.

15
The Dissociability of Shape Similarity in Young Children
Elaine E. Augustine
University of South Florida, Sarasota-Manatee
This study examined whether components of shape similarity contribute separately to object recognition in infancy. The data indicate that infants are able to discriminate objects on the basis of one component of shape similarity but not on the basis of the other, suggesting that the two components are dissociable.

16
The Facilitative and Debilitative Outcomes of Parenting Styles for the Behavioral Development of Children and Adolescents: An Empirical Review
Najia Zulfiqar
University of Nebraska-Lincoln
This paper presents empirical review of the studies published in last 15 years, which examined the direct and indirect connections between parenting styles and their behavioral, social, and academic outcomes for children/adolescents. The authoritative parenting style is favored for positive outcomes than non-authoritative parenting styles.

17
Sensory Perception Issues in Children Without Diagnosed Developmental Disabilities: A Literature Review
Theresa T. Bruening
Northwest Nazarene University
Faculty Sponsor: Elizabeth List
This literature review covers the prevalence, research, symptoms and
therapies of Sensory Processing Disorder (SPD) occurring in typically developing children. Research was conducted through review of relevant books and journals. The majority of SPD cases occur concurrently with developmental disorders. However, children without a coexisting diagnosis benefit from multiple therapy types.

18
**Experienced Gamers Have Super Vision**
Aspen C. Seiver¹ & Jillene Grover Seiver²
¹Bellevue College, ²Eastern Washington University
Can experienced PC video gamers detect the difference when video is recorded at higher frames per second? Our experiment revealed that in most cases, they can. While not completely settling the debate among gamers, our study provides evidence that expert gamers rely on cues that can reveal frame rate.

19
**Exploring the Illusion of Clarity in Peripheral Vision**
Eric S. Clapham, Alex Richardson, & Kerry Tarrant
Black Hills State University
A nonconscious priming paradigm was used to simulate visual scene scanning to explore how such information contributes to the experience of peripheral vision. Participants made perceptual judgments pertaining to briefly presented target stimuli. Such responses indicated that nonconscious processing enhance the perceived clarity of information in the peripheral visual field.

20
**Effects of Visual Ambiguity on Audiovisual Sentence Perception**
Brennan R. Mulligan
Regis University
Faculty Sponsor: Amanda Miller
By investigating audiovisual speech perception through the application of point-light facial displays and manipulation of speaker illumination, this study aims to shed light on how congruent visual and auditory speech information is used by the brain to augment sentence perception.
Identification of Facial Expressions in Less Than One Second
Deidra F. Dudney & Natasha R. Omura
Central Washington University
Faculty Sponsor: Mary Radeke
This study examined the ability of participants to identify facial expressions under varying time constraints. Images of old and young female models portraying happy, sad, angry, and neutral emotions were shown for 0.125, 0.25, 0.5 and 1 second(s). Differences in ability to correctly identify facial expressions were investigated.
SATURDAY
10:20 - 11:20 am

ORAL SESSIONS

Platte River: Social Psychology II

_Moderator: Courtney Rocheleau, Metro State University
_10:20 am

**Religious Belief and Need for Cognition: Central and Peripheral Perspectives, and how they Relate to Cognitive Postures**

*Maxwell Murray & Nahanni Freeman*
*Colorado Christian University*

In a study of undergraduates (n = 100), subjects exhibiting greater theological complexity and historical centrality also demonstrated higher Need for Cognition than participants who espoused peripheral tenets as salient. The myriad of salient theologies revealed may provide evidence for selectivity in recall and attention and denomination autonomy.

_10:35 am

**Why Do We Believe? Locus of Control as a Predictor of Religious Belief**

*Nathaniel L. Marino*
*Texas A&M University Kingsville*
*Faculty Sponsor: Richard Miller*

This study examined individuals’ preferences for Bible verses that reflect either internal or external control as a function of religious affiliation and locus of control as measure by IPC scale. Participants indicated their religious affiliation, and the extent to which they agreed with 10 Bible verses. Preference for two external-control verses was correlated with a belief in the impact of powerful others.

_10:50 am

**No Greater Love: Social Control as a Mediator of Attachment and Religious Beliefs/Practices**

*Craig A. Demke, Dannelle Larsen-Rife, Christine Fiscer, & Sam Passey*
*Dixie State University*

Participants reported their attachment anxiety and avoidance in their primary relationship, and with their relationship with God, partners’ social control of religious behavior, and their religious beliefs and practices. Results suggest high anxiety and avoidance when mediated by social control tend to reinforce religious tendencies.
The Relationship of Polygamous Family Structure to Child Outcomes
Todd C. Baird & Jaclyn Knapp
Weber State University
One-hundred twenty parents and 180 children completed surveys as well as academic and intelligence tests. Data was collected over the 2014-2015 school year. Family structure was not predictive of any negative child outcomes. The variables of connection, regulation and autonomy were found to have the similar impacts as monogamous family structures.

Durango: Population/Environmental Psychology (ends at 11:40 am)

Moderator: Marc E. Pratarelli, Colorado State University-Pueblo

The Human Quest for Meaning: A Call for the Revitalization of Selfhood in Nature
Sofia H. Sofias-Nall
University of Northern Colorado
Faculty Sponsor: William Douglas Woody
This presentation explores a more holistic direction of positive psychology accounting for humanity’s necessary connection to nature for the cultivation of sense of self and meaning in life. Rollo May’s contributions to the topic are emphasized. A discussion on reintegrating children back into nature is included.

Factors in the Development of Sense of Place in College Students
Alex R. Hinrichsen & William J. Wozniak
University of Nebraska at Kearney
We wanted to test whether developing a greater sense of place at a college or university contributes to retention. Undergraduate students were surveyed to determine if the participants’ reluctance to stay on campus until graduation, was dependent upon their reported place attachment, place identity, and place dependence.
10:50 am

**Feng Shui and Evoked Creativity: The Effects of Environmental Stimuli and the Aesthetics of Personal Living Spaces on Concentration, Spirituality, and Subjective-Well-Being**  
*Pauline Kim & Nahanni Freeman  
Colorado Christian University*

Subjects (n = 100) exposed to visual and auditory stimuli consistent with principles of Feng Shui showed greater creativity output. Both cluttered and Feng Shui images and music elevated mood. Perceptions of the aesthetics of one’s living space correlated with concentration, spiritual well-being, and mental health.

11:05 am

**What Floats the Outdoor Recreationist’s Boat: An Analysis of the Factors that Contribute to Satisfaction of Outdoor Recreation Experiences**  
*Brian Parry, Justin Gollob, & Cory Massey  
Colorado Mesa University*

Outdoor recreation is tremendously popular in the U.S., accounting for a multi-billion dollar source of economy. It is imperative that public lands managers understand how to effectively manage for outdoor recreationists. A study of nearly 700 outdoor recreationists revealed several modest changes that can lead to emotional attainments and increased satisfaction.

11:20 am

**Companion Animal Bonding and Its Relationship to Self-Esteem, Mood, and Pet Ownership**  
*Bethany Joy Namour & Nahanni Freeman  
Colorado Christian University*

The relationship between companion animal bonding and well-being was investigated revealing that higher self-esteem and elevated mood were associated with animal bonds. Participants exposed to images of animals versus inanimate objects both showed a decrease in mood upon post-test. Pet owners report stronger animal attachments.
The Bat-and-ball Problem: Confidence and Answer Fluency
Lesley G. Hathorn¹ & Alice F. Healy²
¹Metropolitan State University Denver, ²University of Colorado Boulder
In 2 experiments, a positive correlation was found between answer fluency (how quickly the answer comes to mind) and confidence in the answer to the bat-and-ball problem, regardless of answer accuracy. Most participants who responded with the incorrect biased (intuitive) answer provided a high level of confidence in their response.

Predicting Pronunciation Variability: Implicit Learning of Words in Contexts
William D. Raymond, Esther L. Brown, & Alice F. Healy
University of Colorado Boulder
Knowledge of language reflects implicit learning from experience of distributional probabilities of linguistic units. We report on studies relating the learned contextual likelihoods of words to word pronunciation variability originating in articulatory approximations. Contextual experience is thus implicated as a source of synchronic variability and diachronic change in the lexicon.
Comparative Experience is Not Enough: Challenges For Eliciting Awareness of the Testing Effect
Adam P. Young, Alice F. Healy, Matt Jones, & Tim Curran
University of Colorado Boulder
Students are largely unaware of the benefits of self-testing. In 2 experiments students experienced both restudy and self-testing strategies in close succession. However, they largely failed to detect and capitalize upon the benefits of self-testing. These results highlight the difficulty facing teachers in eliciting appreciation of the testing effect.

Training Data Entry: Specificity and Generalizability of Perceptual and Motor Processes
Vivian I. Schneider1, Alice F. Healy1, James A. Kole2, & Immanuel Barshi3
1University of Colorado Boulder, 2University of Northern Colorado, 3NASA Ames Research Center
Subjects were trained on a standard data entry task and then tested on the standard task as well as on two task variants, which changed either the perceptual or the motor requirements. Surprisingly, despite the assumed orthogonal relationship between specificity and generalizability of training, evidence was found for both outcomes.

Do EReaders Aid Vocabulary Acquisition in Middle School Language Arts?
Carolyn J. Buck-Gengler & Alice F. Healy
University of Colorado Boulder
Two classes of middle school students read the same book, but half the students in each class read it with an eReader, and half read the print version. The results suggest that the teacher is more important than the learning tools in determining performance levels on vocabulary and comprehension tests.
SATURDAY
10:20 - 11:20 am

STUDENT SESSIONS

Cherry Creek
The Prospective Graduate Student Survival Guide

Sherry Sadighim¹, Barry L. Motter², Jessica Kenny³, Lacey Clement³, & Erin Bracey²
¹University of Denver, ²University of Northern Colorado, ³University of Colorado Denver

Moderator: Kiersten Eberle, University of Northern Colorado
Co-Sponsor: Colorado Psychological Association of Graduate Students

Current psychology graduate students from M.A, Psy.D., and Ph.D. programs with diverse specializations share their experiences for potential new graduate students. Topics that will be covered include choosing a program, the application process, research, classes, and practice. Time will be allowed for questions from the audience.
INVITED SPEAKER
Ballroom C

Psi Chi Keynote Address
Dr. Christopher Kilmartin
University of Mary Washington

Moderator: Name

Meaningful Coincidences: An Early Career Retrospective

In this talk, Dr. Kilmartin will reflect on his early career experiences, now from the perspective of a late career psychologist. The purpose of the talk will be to provide valuable guidance and ideas for those considering or beginning a career in psychology, based on Dr. Kilmartin’s broad range of experiences as an academic and counseling psychologist.
Platte River: Personality Psychology/Personality Assessment

Moderator: Karen M. Yescavage, *Colorado State University - Pueblo*

1:00 pm

The Relationship between Self-Love, Body Dissatisfaction, Disordered Eating, and Mood Disorders

*Madison R. Dupper*
*Boise State University*
*Faculty Sponsor: Mary Pritchard*

The present study evaluated whether the Self-Love Scale (Arylo, 2012) can be used to predict body dissatisfaction, disordered eating, depression and anxiety. Results indicated that lack of self-love does appear to relate to increased self-reports of media pressure, social physique anxiety, drive for thinness, body dissatisfaction, and depression.

1:15 pm

Self-deception, Social Desirability, and Shame in an Experimental Task

*Rian Razo & Marc E. Pratarelli*
*Colorado State University-Pueblo*

Much research has surrounded the topic of morality and ethics. Three metrics were used to assess self-deception, social desirability, and guilt/shame in participants who committed to perform a task but then failed to follow through. This presentation will discuss the role each behavior plays in the ability to do so.

1:30 pm

How often and Why do you use a Cell Phone? - Student’s Dependency on Cell Phones

*Lindsey R. C. Sitz & Jessica M. Bittmann*
*Metropolitan State University of Denver*
*Faculty Sponsor: Kristen Lyons*

Cell-phones are a growing part of society; this study’s purpose is to help understand why and how cell-phones are used every day. This study examines how social needs, social influences and convenience affect students dependency on cell-phones. Also examined is student’s use of cell-phones for inside and outside class.
Musical Preferences as Predictors of Creativity
Kelsie S. Howell, Julian Malek, Brandon Gale, Tina Martinez, & Jacqueline Snyders
Metropolitan State University of Denver
Faculty Sponsor: Lisa Badanes
We examined the relation between musical genre preferences (i.e. Reflective and Complex, Intense and Rebellious, Upbeat and Conventional, and Energetic and Rhythmic) and creativity. In our sample of 210 participants, we found that a preference for classical, jazz, folk, and bluegrass music were predictors of creative performance.
SATURDAY
1:00 - 2:30 pm

RMPA Presidents panel
Applying Cognitive Psychology to Education
Impacts of Nicotine, THC and use of Electronic Delivery Devices on Adolescent Brains: What Every Clinician Needs to Know

Steven E. Meier
University of Idaho

This workshop will review electronic devices to ingest nicotine, THC, and other products. It will also address how changes in THC levels, Nicotine and other substances (e.g., Spice) impact adolescent brain development, memory, and various psychological disorders.
SATURDAY
2:10 - 3:10 pm

INVITED SPEAKERS
Ballroom C

Special Invited Speaker
Dr. Gary Packard
U.S. Air Force Academy

Moderator: Name

Discussants: Karin DeAngelis, David McCon, Wil Scott, Chris McClernon, Chris D’Lauro, Chris Kilmartin

A Healthy Relationship between the Military and the Social Sciences: Virtuous Revelations on Research at the U.S. Air Force Academy

A recent Chronicle of Higher Education On-Line article titled, “Damning Revelations Prompt Social Science to Rethink its Ties to the Military” presented the dark side of the relationship between the social sciences and the U.S. military. In this symposium, diverse faculty members from the U.S. Air Force Academy and other institutions will share how their research brings light to important social science issues in the military in ways that improve the effectiveness of our force while supporting service members and families in meaningful ways. The panel will emphasize both the diversity of the research topics in our research portfolio as well as how our research is improving the effectiveness, inclusiveness, and respectful culture of the Air Force Academy and the Air Force. Topics include: military families (Karin DeAngelis), sexual assault prevention (David McCon), socio-cultural implications of remotely-piloted aircraft/drones (Wil Scott), human factors (Chris McClernon), concussion/traumatic brain injury (Chris D’Lauro), and masculinity/violence prevention and personal experience as a former Distinguished Visiting Professor in our department (Chris Kilmartin).
POSTER SESSION

Ballrooms A/B
Memory and Cognition

1 Magical Ideation and Its Relationship to Conspiracist Ideation
Rick Stevens, Kay Rawls, Sonika Shrestha, & D’Shawn Etienne
University of Louisiana at Monroe
Few people doubt that conspiracies exist. However, the term “conspira-
cist ideation” suggests that the person engaging in beliefs about these
conspiracies is basing the belief on something other than a logical evalua-
tion of the available information. This study found a positive relationship
between a belief in conspiracies and Magical Ideation.

2 The Effects of Feedback Sequence on Cognitive Performance in a
Visual-Spatial Task
Travis W. Pyle
Central Washington University
Faculty Sponsor: Kara Gabriel
This study examined the effects of consistent or inconsistent performance
feedback sequence on accuracy on a visual-spatial task. Five feedback
sequences were tested: Positive-positive, positive-negative, negative-
positive, negative-negative, and no-feedback control. Preliminary results
show an effect of feedback with decreased task accuracy in the control
condition compared to all other sequences.

3 Numeracy Moderates Ability and Critical Thinking Disposition Ef-
fects on Probabilistic Reasoning
Wejdan S. Felban1, Paul A. Klaczynski2, Brynn Michaels2, & Bryden
Spencer2
1Effat University, 2University of Northern Colorado
Dual-process theorists have argued that reflective level operations and
algorithmic processes limit the efficacy of specific mindware. Consistent
with this position, numeracy predicted probabilistic reasoning only when reflective thinking tendencies were high and general resources were adequate and general ability predicted non-probabilistic reasoning only when reflective thinking dispositions were high.

*Mackenzie Smith & Connie Shears, Chapman University*  
This study investigates whether reduced stress from being with dogs will empirically translate to better cognition. We hypothesize that participants who are under stress will show more improvement on a post cognitive assessment taken with a dog in the room than participants without a dog in the room.

5. **Exploring the Bilingual Advantage on Selective Inhibition: Physiological and Behavioral Indices**  
*Cassandra Gonzales, Texas A&M University - Kingsville*  
*Faculty Sponsor: Dana Byrd*  
Studies have shown that bilingual speakers outperform monolingual speakers on laboratory tasks requiring selective inhibition and conflict resolution. Electroencephalogram (EEG) and heart-rate patterns are used to explore exactly which part of the selective inhibition task differs between monolingual and bilingual speakers and what regions of the brain contribute to these benefits.

6. **EEG EKG and Behavioral Evidence of Different Cognitive Processing of Hedonic and Utilitarian Stimuli During Online Shopping**  
*Anthony L. Martinez, Texas A&M University - Kingsville*  
*Faculty Sponsor: Dana Byrd*
This study proposes to identify differences in cognitive and physiological activity during an online shopping exercise by looking at brainwaves (EEG) and heart rates (EKG). This study hypothesizes that hedonic images and reviews will be processed more deeply, reflected in deeper (more negative) EEG and asynchronous (more variable) EKG waveforms.

7

**Increasing Emotional Intelligence: Bring Out the Bluegrass, Reggae, Soundtracks, and All Forms of Musical Training**

*Jessica R. Steele, Kevin McCall, Sebastian Akeeson, & Lindsey C. Fast*

*Western State Colorado University*

Knowledge regarding the effects of music on the individual is ever expanding. This study examined the relationship between musical training, music genre preference, and emotional intelligence. Formal and informal training positively effect emotional intelligence. Out of 18 music genres explored, Bluegrass, Reggae, and Soundtracks also positively relate to emotional intelligence.

8

**How Tip-of-the-Tongue States Bias Decisions about Faces of People whose Names cannot be Retrieved**

*Alexandra Elatova, Pauline Freud, Gabriella Visani, John Miller, Kristin Micheal, Shelly Staley, Alexander Claxton, & Anne M. Cleary*

*Colorado State University*

Tip-of-the-tongue (TOT) states have been shown to have biasing effects on people's decisions during retrieval failure. This study extends this work to judgments about people. When in a TOT state, participants were biased toward thinking a person was more likely to be ethical than when not in a TOT state.

9

**Memory Strategies for College Students**

*Shannon McGillivray, Cassity Haverkamp, & Blake Tubbs*

*Weber State University*

The study investigated the differences in actual and perceived effectiveness of mnemonic strategies between traditional and nontraditional students. Participants learned four lists of word pairs...
while using different mnemonic techniques, and also provided judgments of learning. Participants’ perceptions about the effectiveness of various techniques will be compared to actual performance.

10

Undermining Student Behavior: The Impact of Autonomy on Self-Regulated Learning Behavior
Madison Propp, Hillary Wehe, & Carol Seger
Colorado State University
Research shows that rewards can have detrimental impacts on students’ motivation to engage in learning tasks. The current experiment expands on previous findings by exploring the impact of reward on students’ individually-set and predetermined learning goals. We hypothesize that rewards will interact with students’ ability to decide their goal.

11

Examining the Effects of Elaboration on Memory Using Examples
Colorado State University
Numerous studies have demonstrated that processing information for meaning produces better memory for than information compared to rote memorization. Elaboration, the extent to which learning is enriched through the integration of information and formation of associations, was investigated in this study through the use of examples.

12

Biological Mechanisms of Maintenance and Disengagement
Ashley Nespodzany & Zach Shipstead
Arizona State University
Although they are strongly related constructs, recent research suggests that WM and gF represent separate cognitive mechanisms: respectively, intentional maintenance of important information and intentional disengagement from outdated information. We propose researching the
neurological mechanisms unique to WM and gF through the framework of the dopamine gating system.

13
A Comparison of Selection Methods for Restudying Information: EEG versus Participant Selection
Pauline Freud, Kathryn Beirise, Kristin Micheal, Alexander B. Claxton, & Anne M. Cleary
Colorado State University
Either EEG classifiers or participants themselves selected items for restudy. There were no differences between groups for final recall. However, the EEG selected items had a significant negative relationship between restudy length and final recall. Thus, the EEG classifiers identified participants needing additional assistance, but simple restudy was not sufficient.

14
Changing Attitudes about Harm Reduction
Jennifer M. Murphy
Weber State University
Faculty Sponsor: Aaron Ashley
The effect of information on attitudes toward harm reduction programs was assessed. Participants responded to statements from the Harm Reduction Acceptability Scale (HRAS: Goddard, 2003) before and after watching an informational video on Harm Reduction. Results showed no effect of information on attitudes, but significant differences across religious denominations.

15
The Effect of Emotion and Different Forms of Stimuli on Susceptibility to the Misinformation Effect
Jamie L. Dinneen
Regis University
Faculty Sponsor: Amanda Miller
This study investigated the effects of positive and negative emotional stimuli, as well as video and picture stimuli, on susceptibility to the misinformation effect.
**Gender Differences in Mental Rotation and Working Memory**  
*Mikaela Cowen, Kenneth McClure, Amanda Still, & Meredith Minear  
University of Wyoming*

We tested male and female undergraduates on both a 3-D mental rotation task and a capacity measure of working memory. Males were more accurate at mental rotation and in females there was a relationship between working memory and rotation reaction time.

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**The Cognitive Reflection Test Measures Risk and Belief in the Paranormal**  
*Nicole Mancini, Laura N. Blackmond, Katherine M. Delehoy, Micaela Hughes, Rachel M. Nielsen, Louis Ricciardelli, Dillon R. Slagle, Laura Willis, & Lesley G. Hathorn  
Metro State University Denver*

Scores on the Cognitive Reflection Test (a measure of decision-making ability) are positively correlated to willingness to take risks and negatively correlated to belief in the paranormal. Scores are not correlated to academic self-concept indicating that participants are oblivious to errors in reasoning.

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**Replication of “A Bad Taste in the Mouth: Gustatory Disgust Influences Moral Judgment”**  
*Tucker Short, Ryan Coon, Lindsey Smith, Brianna Dagnall, Shaylee Dragon, Samantha Madsen, Gonzalo Paz, & Megan Webster  
Brigham Young University - Idaho*

*Faculty Sponsor: Brady Wiggins*

Under the CREP replication project, we are replicating Eskine et al. (2011), examining how gustatory disgust influences moral judgment. In addition, we are investigating how an individual’s taste sensitivity affects their moral judgment. We will report the original study’s reproducibility and the role of taste sensitivity as a mediator.
19

**Stroop Effect in Nepali-English Bilinguals**

*Yi-An Lin*

*University of Louisiana at Monroe*

*Faculty Sponsor: Rick Stevens*

Nepali-English bilingual participants performed better on the Stroop task with Nepali stimuli than with English stimuli. Responses to the color-patch stimuli were the fastest, followed by Nepali and English stimuli. This supports the hypothesis of language similarity. One possible explanation is that in Nepal English is commonly used in education.

20

**Spatial Discounting in Coyotes (Canis latrans) Across the Breeding Cycle Under Risky and Normal Conditions**

*Leif E. Nyman, Salif P. Mahamane, Julie Young, & Kerry E. Jordan*

*Utah State University*

This study investigated coyotes’ (Canis latrans) spatial discounting of larger food rewards as a function of distance to the reward. Results showed spatial discounting in control and predator-risk conditions and across breeding phases, albeit moderated in the courtship and mating phases.

21

**Effects of Individual Differences in Trait Anxiety and Depression on Working Memory Updating**

*Joy A. Walters, Daniel Gustavson, & Emily M. Coyle*

*University of Colorado Boulder*

*Faculty Sponsor: Akira Miyake*

The current study evaluated effects of trait anxiety on working memory updating (WM updating) in 91 subjects. We used a keep-track task which required within-trial manipulation of information stored in WM. Although data collection is incomplete, our preliminary results indicate trait anxiety had no effect on updating RT or accuracy.

22

**Trait Anxiety and Its Relation to Asymmetric Switch Cost**

*Emily M. Coyle, Joy Walters, Dan Gustavson, & Akira Miyake*

*University of Colorado Boulder*
Our ongoing study investigates the association between trait anxiety and task-switching ability using a color-shape switching paradigm. Expected results are that trait anxiety will only be associated with worse switch costs when the tasks are asymmetric in difficulty, but not when they require the same amount of effort.

23
Speech and Language Disorders: Working Memory and its Influence on Developing Language Skills
Auburn K. Binette
Weber State University
Faculty Sponsor: Aaron Ashley
Multiple models of speech and language disorders propose that cognitive deficits of working memory underlie their occurrence. The current research attempts to assess the relationship between working memory and reading comprehension; as well as, examine the effects working memory training has on reading comprehension ability.

24
Music Preference and Test Anxiety: An Analysis of Working Memory and Performance
Cassidy J. Koolmees, Nathan Herdener, & Benjamin Clegg
Colorado State University
The effect of music on reducing test anxiety was examined. Music that matched the individual’s personal preference was played prior to or during a mathematical task. Performance with music was compared to baseline condition with no music, and control positive thoughts condition. Results of the study will be discussed.

25
Effects of the Caffeine Placebo and GPA on Word Recall Accuracy
Aaron S. Vialpando & Jenny L. Brown
Colorado State University - Pueblo
Faculty Sponsor: Marc Pratarelli
Caffeine is a widely used substance in the United States today. This placebo experiment was designed to look at the effect of the caffeine placebo on word recall accuracy between the experimental and control group. The data was gathered through a two-way ANOVA test.
ORAL SESSIONS

Platte River: RMPA Award Finalists I

Moderator: Anna Ropp, Metro State University

2:10 pm

Neuroticism and Mindfulness as Predictors of Depression and Mindfulness as a Moderator for Depression and Neuroticism
Lilia Alvarez, Ian A. Maxwell, Dillon R. Slagle, Kelsie S. Howell, Holly A. Hickman, & Sean Vieau
Metropolitan State University of Denver
Faculty Sponsor: Lisa Badanes

Previous research has shown that mindfulness could be a moderator on neuroticism and symptoms of depression. In our study we hypothesized that neuroticism, mindfulness, and gender would be predictors for depression. Our results were consistent with our hypothesis. We also found that mindfulness acceptance moderated the effect of neuroticism and depression.

2:25 pm

To Disclose or Not? The Question of Distress Disclosure Among Deployment Veterans and Its Relationship to Self-Judgment and Posttraumatic Growth
June M. Ashley
University of Denver
Faculty Sponsor: Ruth Chu-Lien Chao

The relationships between distress disclosure, self-judgment, and posttraumatic growth within military culture were explored. Eighty-seven deployment veterans completed measures of tendencies toward disclosure and self-criticism as well as degree of posttraumatic growth. Low distress disclosure, or concealment, was related to high self-judgment. No significant relationships were found with posttraumatic growth.

2:40 pm

Effect of Lifetime Stress on Caregiver Mental Health and Child Outcomes
Eanice Wong
University of Denver
Faculty Sponsor: Sarah Watamura
This study investigated the effects of lifetime stress, specifically in terms of frequency and/or exposure, and how they contribute to parent and child mental health functioning, and whether this effect differed in terms of exposure to negative versus positive life events.

2:55 pm

Forgiving the Self and Others: Exploring Component Level Differences and the Effects of Personality
Lucas E. Hampton, John H. Lurquin, Daniel E. Gustavson, & Nicholas Carruth
University of Colorado Boulder
Faculty Sponsor: Akira Miyake

This scenario-based study focused on component level forgiveness: benevolence, avoidance, and revenge- and predictors thereof. We found that benevolence is the primary component distinguishing forgiveness of self from forgiveness of others, that neuroticism is heavily associated with avoidance, and that the executive control effect on forgiveness is driven by revenge.

Durango: Psychopharmacology and Substance Abuse

Moderator: Michael T. Allen, University of Northern Colorado
2:10 pm

Attention-Deficit Hyperactivity Disorder: Pharmaceutical Intervention and Symptomology in Childhood and Adolescence
Elora W. Williams, Colleen R. Poulton, Pennie Seibert, Rachel Aguilar, & Christian Zimmerman
Saint Alphonsus Regional Medical Center, Boise State University

Utilization of prescription medication for treatment of attention-deficit hyperactivity disorder in the pediatric population negatively impacts sleep physiology, exacerbating existing sleep disorders (SDs). Fifty-seven pediatric participants reported their SD’s, medication, and psychosocial effects via sleep and psychological inventories. This project elucidates the impact of pharmaceutical intervention on typical childhood development.
2:25 pm

Variability in Smokers’ Mood States Pre- and Post-Quitting: A Multigroup-Multiphase Latent State-Trait Analysis
Daniel J. Griffin¹, Christian Geiser¹, & Saul Shiffman²
¹Utah State University, ²University of Pittsburgh
We applied multigroup-multiphase latent state-trait analysis to examine smokers’ mood variability pre and post quitting in (1) a placebo and (2) a nicotine replacement group. Results indicated that post quitting, individuals in both groups showed reduced intra-individual mood variability compared to the pre-quitting phase.

2:40 pm

Rocky Mountain High: Longitudinal Study of Marijuana and Alcohol Use Among College Age Individuals
Jacob Jones & Skylar Smith
Colorado Mesa University
There has been much discussion and speculation about the impact of the legalization of recreational marijuana in Colorado. Initial findings from a 2 ½ year longitudinal study on the frequency, severity, and methods of marijuana use will be presented. Also, the relationship between alcohol and marijuana use will be discussed.

2:55 pm

Double Baseline Survey Results for Substance Abuse Prevention in Northern New Mexico
Sierra V. Fernandez, Leon N. Bustos, Felix Jaramillo, Angel de Nieves Arrellano, & Ian Williamson
New Mexico Highlands University
It is widely recognized that New Mexico has struggled with substance abuse, as the state has the highest alcohol-related death rates in the US. The purpose of this study was to assess substance abuse within San Miguel County, NM and set up a longitudinal evaluation and prevention program.
Research-driven Social Change in Colorado Communities: Fighting Human Trafficking

Moderator: Chrislyn Randell, Metropolitan State University of Denver

Human trafficking - the severe exploitation of persons for the purpose of monetary gain through labor or sex utilizing force, fraud, or coercion - is a global crisis, to which Colorado is not immune. This symposium addresses this crime in Colorado, relevance to psychology, obstacles to survivor support, and tools for comprehensive community response.

Rocky Mountain/Colorado Human Trafficking Overview
Amanda Finger
University of Denver

Colorado Network to End Human Trafficking Hotline
Katherine M. Miller
University of Denver

Colorado Project to Comprehensively Combat Human Trafficking
AnnJanette Alejano-Steele
Metropolitan State University of Denver

Data-Informed Action: Colorado Action Plan
Mary Durant
Metropolitan State University of Denver
1 Helicopter Parenting: Helpful or Harmful?
Martin J. Duchossois
Indiana University
Faculty Sponsor: Doris Van Auken
The impact of helicopter parenting on coping skills and personality development was evaluated in a sample of eighty undergraduate students. It was hypothesized that an inverse-correlation would exist between helicopter parenting and levels of coping skills. It was also hypothesized that helicopter parenting would be positively-correlated with narcissistic personality tendencies.

2 Predicting Fear of Negative Evaluation as a Function of Body Investment
Jeannine E. Klein1 & N. Clayton Silver2
1Northcentral University, 2University of Nevada, Las Vegas
Fear of Negative Evaluation concerns the cognitive problem of being thought of in a negative light. Undergraduate students completed the Fear of Negative Evaluation Scale and the Body Investment Scale as part of a larger study. Results indicated that body feeling and body care predicted Fear of Negative Evaluation.

3 Narcissism and Selfie Posting and Editing Behaviors Among College Students
Kelsie S. Howell, Tina Martinez, Becky Jackson, & Maureen Flynn
Metropolitan State University of Denver
The aims of this study were to examine gender differences in selfie posting/editing behaviors and the relationship between narcissism and selfie posting/editing behaviors. Results showed women posted more selfies
than men. No significant relationships between narcissism and selfie posting/editing in men but positive relationships were found in women.

4
The Effects of Romantic Jealousy on an Individual’s Coping Style
Gabriella Ramon
Texas A&M University-Kingsville
Faculty Sponsor: Richard Miller
This study examined the effects of jealousy salience and attachment on strategies to reduce relationship threats. The preliminary results indicated that participants under jealousy salience were more likely to explore alternative relationships, and insecurely attached individuals were more likely to make compromises in their relationships.

5
A Replication of “When Social Networking Is Not Working: Individuals with Low Self-Esteem Recognize but Do Not Reap the Benefits of Self-Disclosure on Facebook”
Rhett Mullins, Michela Gearin, Serayn Morgan, & Katelyn Sias
Brigham Young University - Idaho
Faculty Sponsor: Brady Wiggins
This study is a CREP replication of Forest and Wood (2012), examining the perception of self-disclosure on Facebook among individuals with low self-esteem. In addition, we are investigating how loneliness moderates this relationship. We will report the original study’s reproducibility and the role of loneliness as a moderator.

6
Samantha Howe, Natalie Elison, Brendan Hernandez, Randie Waldman, & Eric Christofferson
Brigham Young University - Idaho
Faculty Sponsor: Brady Wiggins
Under the CREP replication project, we are replicating Diener et al. (2010), examining how wealth influences happiness. In addition, we are
investigating religiosity and marital status as possible moderators of this relationship. We will report the original study’s reproducibility and the role of these potential moderators.

7
**Measures of Empathy with Respect to Big 5 Personality Categories**
*Andrew T. Horner*
*Regis University*
*Faculty Sponsor: Mark Bruhn*
Two main concepts compete with respect to empathy and personality: social psychology reports “The Similarity Hypothesis”, while classic literature suggests empathy between dissimilar individuals. This study examines empathy, fiction, and the Big 5 Personality Inventory’s Agreeableness and Openness to Experience to investigate the extent an empathetic personality can be determined.

8
**Student Satisfaction and Performance Relating to Multiple Intelligence Theory**
*Ty M. Palmer¹, Tyler Graff¹, Aleksandra Pawlowska², & Keiffer Weilandke¹*
¹Utah Valley University, ²University of Warsaw
*Faculty Sponsor: Cameron John*
With college dropout rates at nearly one in three, student retention is a problem in the collegiate world today. One possible reason for lower retention rates is students’ satisfaction with their choice of major. Although many factors can contribute to a students’ satisfaction with their major, one possible explanation could be how well students’ interests are aligned with their major’s required intelligence.

9
**The Ins and Outs of Body Image: The Role of Locus of Control and Body Image Perception**
*Leah G. Henningsen, Hadley Chambers, Molly Moloney, & Nikki Honzel*
*Carroll College*
This research examined the role of locus of control on body image perception in undergraduate women. According to this study, females with an external locus of control reported increased body image satisfaction, perception, and lower body esteem in comparison to females with an internal locus of control.

10
The Effects of Self-Criticism and Self-Love on Personal Wellbeing
Holly N. Lind
Boise State University
Faculty Sponsor: Mary Pritchard
The present study evaluated the validity of the Inner Mean Girl Scale (IMGS; Ahlers & Arylo, 2015). Students completed the IMGS along with measures of self-criticism, depression, OCD, life satisfaction, and self-love.

11
A Walk in Someone Else’s Shoes: Empathy Through Embodiment
Aaron D. Ashley & David S. Sleight
Weber State University
The purpose of this study is to evaluate the relationship between participant empathy scores and the type of engagement in the acting out of a date rape scenario (using dolls) that is designed to trigger an empathetic repose, which produced fascinating results.

12
Connection Between Self-Esteem and Personality
Virginia Purata, Krystin Green, & Rena Kirkland
University of Northern Colorado
The current study examined the psychometric properties of a self-esteem instrument that we developed. Reliability of the instrument ranged from satisfactory to good. Support for construct validity was found when examining convergent and divergent validity. We also found that two of the self-esteem subscales were positively correlated with inhibition control.
POSTER SESSION CONTINUED: Personality
Ballrooms A/B

13
Computer Based Avatars Designed to Assess Anxiety Vulnerability Correlate to Harm Avoidance and Differentiate Coping Styles
Allison G. Berthiaume, Samantha J. Wall, Akiko Watabe, & Michael T. Allen
University of Northern Colorado
Previously, a computer based task in which participants guide an on-screen avatar through a series of onscreen events could accurately predict participants’ behavioral inhibition scores. In the current work, we found a positive relationship between avatar scores and harm avoidance. The avatar scores also differentiated adaptive and non-adaptive coping styles.

14
Autonomic Nervous System Arousal in Extraverts and Introverts in Response to a Social Stressor: Did Eysenck Get It Right?
Lynn H. White, Katie Fairchild, Jacob Davis, & Andrea Empey
Southern Utah University
According to Eysenck’s personality theory, introverts are biologically predisposed to be more stress responsive. Extraverts are biologically predisposed to be less. The present study attempted to differentiate introverts and extraverts by measuring their skin conductance response to a social stressor (public speaking).

15
A Relationship Between Political Conservatism and Behavioral Approach System-Drive
Amanda Still, Theresa Holmes, & Meredith Minear
University of Wyoming
We administered measures of Approach/Avoidance behavior tendencies (BIS-BAS) and political orientation to 317 undergraduates. We found that the Drive component of the BAS scale was positively correlated with political conservatism, r = .22. This was true for both men and women.
16

**Examining the Relationship Between the Five Factor Model Domains and Facets and the Behavioral Inhibition System and Behavioral Activation System Scales**

*Rex Christensen, Jared Vineyard, Preston Vickers, & Tera D. Letzring
Idaho State University*

This study replicates previous studies and examines the relationship between the Five Factor Model of personality at the domain and facet level to the Behavioral Activation System (BAS) and Behavioral Inhibition System (BIS). Results were consistent with previous findings with variation at the facet level.

17

**Group and Individual Task Performance: An Investigation of Personality and Productivity**

*Daniel A. Blair & Grant C. Corser
Southern Utah University*

Do Introverts perform better on projects in isolation; do extraverts excel on an assignment when working on a team, or is the reverse true for one or both? The main purpose of this study is to better understand how personality effects different dynamics faced in education and work settings.

18

**Examining the Nomological Network of Resilience**

*Julie J. Lanz1, Armando Falcon2, Valentina Bruk-Lee2, Archana Manapragada2, & April Schantz2
1University of Nebraska - Kearney, 2Florida International University*

This two-sample U.S. study of 218 university students and 284 adults expands resilience’s nomological network to personal control, perceived organizational support, and perceived supervisor support. Personal control was significantly related to resilience; resilience moderated the relationship between task conflict and tobacco use for those with moderate or low resilience.
19
Is Your Personality Hindering or Supporting Your Health?
Amber M. Baumann, Sara Olsen, & Lindsey C. Fast
Western State Colorado University
Obesity and its concomitant chronic diseases is an enervating obstacle many Americans face. This study examined various health measures while primarily focusing on personality’s influence on food consumption. Results indicate extraversion, openness, conscientiousness, and agreeableness promote healthy lifestyle behaviors, while neuroticism hinders such behaviors.

20
Organic Food Choices: Age and Self-Esteem Matter
Sara Olsen, Amber M. Baumann, & Lindsey C. Fast
Western State Colorado University
Research indicates currently, individuals are paying more attention to the food they consume. This study investigated a number of individual different variables that may help explain the types of food choices individuals are making. Results indicate age is the most important factor to consider when examining food choices, followed by self-esteem.

21
Self-Esteem and Alcohol: Feeling Good Equals Heavy Drinking
Dannette Vensel, Chelyn Kempton, Katie Lyons, Natalie Anderson, & Lindsey C. Fast
Western State Colorado University
The 2010 Healthy Campus initiative identified alcohol use as a major health concern for college students. This study revealed a positive relationship between self-esteem and alcohol use in college students. While no other variables moderated this relationship, it appears having high self-worth leads to heavy drinking.
22

**Individual Differences and Perceptions of Personal Care Products**

*Sydney M. Trezza¹, Candace Sizer¹, Casandra Korte¹, Robert Riedel¹, & Bradley Trager²*

¹Lynn University, ²Florida Atlantic University

This study allows researchers to investigate perceptions of and responses to risks associated with personal care products once participants are made aware of the potentially harmful effects of certain products. For this study, participants will take multiple questionnaires regarding their personal care products, their hazard scores, and their purchasing behaviors.

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23

**Introverts’ and Extraverts’ Physiological and Behavioral Responses to Aggression**

*Emma Mark, Preston Bradley, David Sleight, Monika Sahleen, McKenna Hansen, & Shannon McGillivray*

Weber State University

Are extraverts more likely to exert aggression towards an aggressor compared to introverts? Conversely, do introverts experience higher levels of physiological arousal in response to aggression compared to extraverts? The current study explores the dichotomous nature between introverts and extraverts by analyzing different physiological and behavioral responses to perceived aggression.
SATURDAY
3:20 - 4:20 pm

ORAL SESSIONS

Big Thompson: History/Philosophy/Religious Issues

Moderator: William Douglas Woody, University of Northern Colorado
3:20 pm

Comparing the Adjustment Patterns Between Early Returned LDS Missionaries and Full-term Missionaries
Kristine J. Doty, Scott A. May, Lacy A. Bentley, Heather Shelline, & Bart Poulson
Utah Valley University
The Church of Jesus Christ of Latter-day Saints has established multiple methods to train individuals who choose to serve a mission. The purpose of this study is to compare the differences in adjustment between early returned missionaries and those who served the full term.

3:35 pm

Religiosity and Sexuality: Relationships and Correlations
Kelle J. Crownover
Northwest Nazarene University
Faculty Sponsor: Elizabeth List
This study looks at the different aspects religiosity (in regards to religious conduct and experiences) has on the sexuality of participants, including both the acts of sexual behavior itself as well as the overall and holistic sexuality within the identity of the individual.

3:50pm

Profiles of Religiosity and Spirituality in Emerging Adults in the United States
Amber R. C. Nadal¹, Sam A. Hardy¹, & Carolyn M. Barry²
¹Brigham Young University, ²Loyola University Maryland
Is it possible to be Spiritual but not Religious or Religious but not Spiritual? Profiles of religiosity and spirituality among emerging adults are compared across conceptually- and empirically-driven approaches. Class membership is compared across techniques, religious and socio-economic makeup is examined by class, and implications for religious/spiritual psychology are discussed.
The Relationship Between Prayer and Forgiveness

Galina Boradjieva-Doynova
Houston Baptist University

Faculty Sponsors: Renata Nero & Alex Spatariu

The study explored in college students the relationship between prayer (meditative and colloquial) and forgiveness (trait, state, and self-forgiveness); and the relationship between frequency of prayer and trait forgiveness. The sample consisted of 112 students enrolled in a private Texas university. Two of the four hypotheses were supported.
RMPA Award Finalists II
Platte River

*Moderator: Anna Ropp, Metro State University*

3:20 pm

**Experiences of Counselors-in-Training Working with Transgender Clients**

*Barry L. Motter*

*University of Northern Colorado*

*Faculty Sponsor: Basilia Softas-Nall*

In this study, the researcher utilized a phenomenological design with a constructivist framework in order to explore how counselors-in-training currently working with transgender clients interpret their preparedness for clinical work. Results and clinical implications are provided.

3:35 pm

**Patterns of Sexual Attraction and Aversion Among LGBTQ Latter Day Saints in Mixed-Orientation Marriages**

*Audrianna J. Dehlin*

*Utah State University*

*Faculty Sponsor: Renee Galliber*

This study assessed physical and emotional attraction/aversion among 165 LGBTQ Latter Day Saints, currently or previously in a heterosexual marriage. Participants rated attraction/aversion to same sex, other sex, and spouse. Differences emerged between married and divorced/separated participants. Attraction to spouse and to opposite sex, generally, linked to better relationship quality.

3:50 pm

**Health Consequences of the Sexual Double Standard: Applying the Theory of Planned Behavior**

*Yulia Zaikman & Erin A. Vogel*

*New Mexico State University, University of Toledo*

*Faculty Sponsor: Michael Marks*

The sexual double standard (SDS) is the notion that men and women are evaluated differently for engaging in similar sexual behaviors. Research indicates that the SDS can have negative health outcomes. Using the theory of planned behavior, we investigated whether people’s beliefs and attitudes towards the SDS influence condom usage.
4:05 pm

The Effect of Summer Camp on the Self-Esteem of Children with Cancer and their Siblings
Jack T. McGrane
Regis University
Faculty Sponsor: Rona McCall

Does attending a pediatric cancer camp impact the self-esteem of children with cancer and their siblings? The self-esteem of 24 campers before camp, on the last day of camp, and 1-3 months after camp was assessed. Results showed a significant increase in self-esteem for campers. The impact of pediatric cancer camps for children with cancer and their siblings is discussed.
Terror Management Theory (TMT) was initially proposed in 1986 by social psychologists Jeff Greenberg, Tom Pyszczynski, and Sheldon Solomon. The theory was inspired by the writings of cultural anthropologist, Ernest Becker, and was initiated by two relatively simple questions: Why do people have such a great need to feel good about themselves? and Why do people have so much trouble getting along with those different from themselves? To mark 30 years of thinking and research on terror management theory (TMT), which postulates that investment in cultural worldviews buffers death anxiety, this symposium features three different yet complementary presentations testing TMT’s applications to mindfulness meditation, feelings about pets, and attitudes toward Planned Parenthood. Results show that TMT may have prosocial effects on support for sexual and health education and that TMT’s negative effects may be mitigated by variables such as mindfulness and self-compassion. One of TMT’s founding members will serve as the symposium’s moderator.

The Influence of Meditation on Mortality Salience Effects: Reduced Suppression of Death-thoughts and Decreased Worldview Defense
Young Chin Park
University of Colorado, Colorado Springs
Faculty Sponsor: Tom Pyszczynski
The present study investigated the effect of a brief meditation on the way mortality salience affects death-thought accessibility (DTA) and worldview defense. One hundred twenty-nine adult novice meditators were randomly assigned to either no-meditation or meditation groups, fol-
allowed by a mortality salience (MS) or neutral prime. DTA was measured both immediately after MS and again after a delay, after which worldview defense was measured. Results showed that, for the no-meditation condition, MS led to initial suppression and a delayed increase in DTA, and greater worldview defense. However, participants in the meditation condition did not respond to MS with increased worldview defense or suppression of death thoughts.

**Does Self-Compassion Moderate the Effect of Mortality Salience and Creatureliness on Treatment of Pets?**

*Tyler J. Jimenez & Brian L. Burke*  
*Fort Lewis College*

Prior research has revealed that mortality salience and creatureliness primes sour attitudes towards pets (Beatson, Loughnan, & Halloran, 2008). Because self-esteem has been commonly found to mitigate reactions to mortality salience (Burke, Martens, & Faucher, 2010), we predicted that self-compassion would similarly decrease negativity towards pets following mortality salience and creatureliness primes. Preliminary data analysis revealed a significant effect; however, data will continue to be conducted next semester and reanalyzed for presentation at the Rocky Mountain Psychology Association 2016 conference.

**The Body and Terror Management Theory: Explaining Aggression Towards Women’s Reproductive Rights and Planned Parenthood**

*Jessica Gwilliam, Adele Watel, & Brian L. Burke*  
*Fort Lewis College*

Typically, in the face of mortality salience, humans will more strongly adhere to their own cultural norms and will reject the corporeal (body-related) aspects of human nature. The present research examines the effects of mortality salience on support for specific reproductive services, including educational and corporeal services as well as services pertaining only to the female body. Results indicated increased adherence to cultural norms regarding education following a death prime, but no change in support for corporeal services. Results also showed a gender difference in support for services relating specifically to the female body, suggesting the need for further research into this phenomenon.
SATURDAY
4:30 - 5:30 pm

ORAL SESSIONS

Platte River: Social Psychology III

Moderator: Chad Mortensen, Metro State University of Denver

4:30 pm
Testing a Model of the Relationship between National Identity and Intergroup Conflict
Robert Schatz & Holly Hickman
Metropolitan State University of Denver
The research tests a conceptual framework for understanding the relationship between national identity and intergroup conflict. The model posits two underlying components of national identity: identity content and identity mode. Findings are presented from a study that examines how these components are related to anti-immigrant attitudes and to militarism.

4:45 pm
The Space Between Us: Does Stereotype Threat Extend to Sexual Orientation?
Nick Spencer, Raul Madril, Ian Wingstrom, & Kim Kelso
Adams State University
Stereotype threat and distance based on sexual orientation was examined. Sixty eight male participants were led to believe they would have a conversation with a homosexual confederate about same sex marriage/politics. Participants sat further away from the confederate when the topic was same sex marriage and learning goals were absent.

5:00 pm
Softening the Stigma: Using Service Learning to Shift Explicit and Implicit Attitudes Toward People with Mental Illness
Steve T. Barney, Grant C. Corser, Daniel L. Hatch, & Garrett L. Strosser
Southern Utah University
Intolerance and ostracism complicate the lives of people with mental illnesses. We have shown that a service-learning abnormal psychology course lowers reported levels of these biases. In these studies we incorporated a measure of implicit attitudes as an additional dependent measure. Data suggest statistically significant reductions in overt and covert stigma when compared with students in a control group.
5:15 pm

**Testing the Robustness of the Ego Depletion Effect: Two Preregistered Large-Scale Experiments**

*Nicholas P. Carruth, John H. Lurquin, & Akira Miyake*

*University of Colorado Boulder*

In two large-scale preregistered experiments, we attempted to test the robustness of the ego-depletion effect using adequately powered sample sizes and commonly used tasks. Our results were unsupportive of the ego-depletion effect and suggest the true effect size may be smaller than previously reported.

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**Big Thompson: Developmental II**

Moderator: Dannelle Larsen-Rife, Dixie State University

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4:30 pm

**Authority, Autonomy, & Honesty: Evaluating the Legitimacy of Parental Directives and Adolescent Deception**

*Matthew E. Gingo¹ & Alona D. Roded²*

¹Wheaton College, ²Open University of Israel

Adolescents use various information management techniques to maintain relationships and to negotiate power dynamics within these relationships. This study examined adolescents’ evaluations of deception about noncompliance with parental restrictions in a variety of situations, which varied by domain (personal, prudential, or conventional), and by parent-adolescent relationship style (mutual or unilateral).

4:45 pm

**Back to the Future: Longitudinal Relations Among Adolescent Social Behaviors, Sociometric Status, and Life-Satisfaction in Adulthood**

*Alicia A. Bower*

*Berklee College of Music*

This prospective longitudinal study finds that, if individuals engage in aggression to control resources, then inclusion of prosocial behaviors may buffer against peer rejection. Additionally, although accepted peer status is associated with the highest levels of life-satisfaction, rejected individuals experience higher levels of life-satisfaction if rejection is paired with acceptance.
Narrating the Distressed Body: Embodied Language and Physiological Arousal Across Adolescence and Emergent Adulthood
Kristina Oldroyd, Monisha Pasupathi, & Cecilia Wainryb
University of Utah
In narrating distressing events, people translate an embodied experience that is unshared into articulated, communicable form; this process is considered beneficial, but prior work focused heavily on meaning-making in the narratives. We instead asked about relationships between embodied experience, indexed by physiological arousal, and embodied language, namely, the use of language that represents embodied processes (eating, drinking) - embodied language.

Reflective Journaling: Building Middle School Students’ Self-Efficacy and Self-Esteem
Katelyn J. Haschke & Krista K. Fritson
University of Nebraska at Kearney
Previous research supports that reflective journaling positively impacts college students’ self-efficacy, synthesis of thought and critical thinking (Fritson, 2008; Pajares, 2003). Our study looked at the impact of reflective journaling on middle school students’ self-efficacy, self-esteem, and stress levels. Time had a statistically significant impact on self-esteem.

Social Interaction Phobia Scale: Psychometric Analysis and Comparison to the Leibowitz Social Anxiety Scale
Danielle I. Walters
Adams State University
Faculty Sponsor: Jeff Elison
Reliability and validity of the Social Interaction Phobia Scale was determined and compared to an older measure of social anxiety, the Leibowitz Social Anxiety Scale. Discriminant validity was also analyzed, using rejection sensitivity and emotional coping providing the comparison. Correlations between religiosity and social anxiety were also briefly examined.
4:45 pm

The Development of a Scale to Measure College Students’ Attitude towards Dynamic Assessment
Maaly E. Younis & Steven Pulos
University of Northern Colorado
Dynamic assessment is an interactive assessment model that allows the examiner to have an active part in the assessment process through the interaction with the test taker. In this study, a new scale was developed to investigate college students’ attitude towards the model for statistics classes.

5:00 pm

In Pursuit of a Sound and Wieldy Measure of Professor-Student Rapport
Timothy W. Broom, Nora D. Dunbar, & Meliksah Demir
Northern Arizona University
The Professor-Student Rapport Scale (Wilson, Ryan, & Pugh, 2010) has been shown to predict important student success outcomes. Issues exist, however, with the methods employed in constructing the brief version (Wilson & Ryan, 2013). The speaker discusses his replication of this latter study and how it improves upon previous methods.

5:15 pm

The Relationship Between Self-Love, Narcissism, and Gender
Azra Muranovic, Jessi Davis, & Mary Pritchard
Boise State University
The present study evaluated whether the Self-Love Scale (Arylo, 2012) relates to narcissism. It appears that self-love and narcissism are not the same constructs. Rather, self-love correlates positively with overt narcissism, yet negatively with covert narcissism.
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In 1978 the Association started a procedure whereby members of the Association who have given their time and efforts over and above that which would be normally required should receive special recognition. That year, the Association established a Distinguished Service Award which was a small means whereby individuals could be afforded special recognition. Since that time several individuals have been so honored. The honorees are:

1978  Bernard Spilka  University of Denver
1981  Ralph D. Norman  University of New Mexico
1982  William H Brown  Utah Psychological Center
      Alice R. Fehrenbach  Denver, Colorado
      Wilson J. Walthall  University of Wyoming
      Helen Wilson  Eastern Montana College
1983  Irwin H. Cohen  V.A. Hospital, Denver, Colorado
      Henry C. Ellis  University of New Mexico
      W. C. Leiding  Lovelace Medical Center
      Earl E. Swartzlander  Denver, Colorado
1984  Robert H. Bruce  University of Wyoming
      Harrie F. Hess  University of Nevada, Las Vegas
1985  Paul Porter  University of Utah
      Sheila Dietz  Colorado State University
1986  Janet Wollersheim  University of Montana
1987  Richard G. Weigel  Colorado State University
1988  W. C. Leiding  Lovelace Medical Center
      David Thomas  University of Colorado, Boulder
      Harl H. Young  Metropolitan State College
      Michael Wertheimer  University of Colorado, Boulder
1989  Sara Lyon James  SE Wyoming Mental Health Center
      Neil Bartlett  University of Arizona
1991  Theodore H. Cutler  University of Denver
1992  Len Haas  University of Utah
1993  Janet Kay Schnorr  Northern Arizona University
1994  Michael Wertheimer  University of Colorado, Boulder
1995  Robert L. Atwell  Denver, Colorado
1996  Karen E. Ford  Mesa State College
1997  William Wallace  University of Nevada, Reno
1998  Susan Bromley  University of Northern Colorado
      William J. Wozniak  University of Nebraska at Kearney
1999  No award given
2000  Paul A. Bell  Colorado State University
2001  Kenneth Nikels  University of Nebraska at Kearney
2002  Pennie Seibert  Boise State University
      Roger Fouts  Central Washington University
2003  Rick Miller  University of Nebraska at Kearney
2004  Mitch Handelsman  University of Colorado at Denver
      Wayne Viney  Colorado State University
2005  Diane Martichuski  University of Colorado Boulder
2006  Alice Healy  University of Colorado Boulder
2007  Michelle Butler  U.S. Air Force Academy
      Mark McDaniel  Washington University
2008  Nancy Karlin  University of Northern Colorado
2009  Ross Loomis  Colorado State University
2010  Judith A. Sugar  University of Nevada Reno
2011  Cheryl Sanders  Metropolitan State College of Denver
2012  Eric Amsel  Weber State University
2013  William Douglas Woody  University of Northern Colorado
2014  Robert Rycek  University of Nebraska at Kearney
2015  Steve Barney  Southern Utah University
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1978/79 Harrie F. Hess
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1980/81 David R. Thomas
1981/82 Michael Wertheimer
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1983/84 Janet P. Wollersheim
1984/85 David W. Martin
1985/86 Nelson F. Jones
1986/87 David C. Raskin
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1988/89 Donna M. Gelfand
1989/90 Lee B. Sechrest
1990/91 Leonard Haas
1991/92 Nancy Felipe Russo
1992/93 William P. Wallace
1993/94 Joseph Horvat
1994/95 Alice F. Healy
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1996/97 Mark McDaniel
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1998/99 Roger Fouts
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2005/06 Charles Honts
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2008/09 Bill Wozniak
2009/10 Eric Amsel
2010/11 Pennie Seibert
2011/12 William Douglas Woody
2012/13 Wayne Weiten
2013/14 Steve Barney
2014/15 Leslie Cramblet Alvarez
2015/16 Michelle Butler
2016/17 Eric Landrum

New Mexico Highlands University
Eastern Montana College
Colorado State University
University of Colorado
Div. of Mental Health, Colorado
Lovelace Clinic, Albuquerque
University of Colorado
University of Nevada, Las Vegas
Colorado State University
University of Colorado
University of Colorado
University of Arizona
University of Montana
New Mexico State University
University of Denver
University of Utah
University of Colorado
University of Utah
University of Arizona
University of Utah
Arizona State University
University of Nevada, Reno
Weber State University
University of Colorado
University of Nevada, Reno
Acting President, U. of Nevada
University of New Mexico
Colorado State University
Central Washington University
University of Arizona
University of Nebraska at Kearney
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University of Nevada Reno
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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  Krista Forrest  
       *University of Nebraska at Kearney*

2008  Cheryl Sanders  
       *Metropolitan State University of Denver*

2009  Jeff Elison  
       *Southern Utah University*

2010  Aaron Richmond  
       *Metropolitan State University of Denver*

2011  Layton Curl  
       *Metropolitan State University of Denver*

2013  Grant Corser  
       *Southern Utah University*

2014  Bethany Fleck  
       *Metropolitan State University of Denver*

2015  Chad Mortensen  
       *Metropolitan State University of Denver*
THANK YOU!
The Rocky Mountain Psychological Association would like to thank the following organizations for their continued support and funding of the RMPA Annual Convention:

American Psychological Association

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