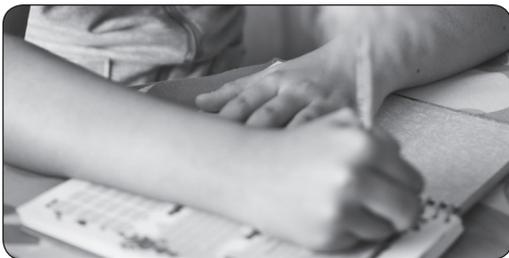




Psychology

ALUMNI NEWSLETTER

SUMMER 2014



Big Changes for the WSU Psychology Clinic

The Psychology Clinic at WSU has long served as the major training site for our department's clinical graduate students. The clinic is also the only sliding-scale community mental health center in the area. Thus, community members can receive state-of-the-art treatments that may be hard to get outside of metropolitan areas or clinical trials. Patients can obtain services at a significantly reduced cost. Furthermore, the clinic provides pro bono services for approximately 15% of its clientele, which enables community members with very limited resources to receive high-quality mental health care.

The clinic has recently expanded in terms of services provided as well as space. The clinic has always provided therapy and assessment services to adult patients. In January 2014, the clinic began seeing children as well. This is the first time in 10 years that child psychology trainees can see

child patients on campus. The range of therapy types offered by the clinic also has expanded, and well-researched treatments such as Prolonged Exposure Therapy for post-traumatic stress disorder, Transference-Focused Psychotherapy for borderline personality disorder, and Cognitive-Behavioral Therapy for insomnia are now offered.

In April 2014, the clinic began the first of a two-phase remodel project, modernizing the existing facilities and expanding the total space (more therapy rooms; separate child and adult patient waiting rooms). The remodel will significantly enhance the clinic's ability to serve a new demographic. We are reaching out to our alumni and friends to help fill additional needs that accompany this expansion, such as computers and assessment software, office equipment, books and DVDs for the clinic library, and furniture and toys for the new children's waiting room.



Message from the Chair



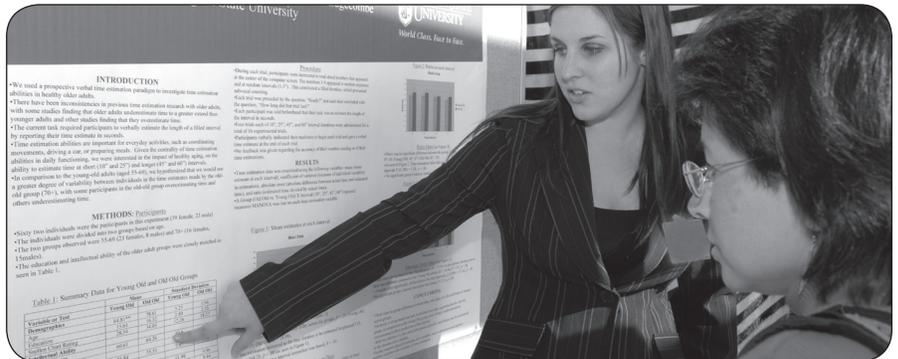
Dear Alumni,
Greetings from Johnson Tower 233E! The Department of Psychology continued to be an exciting place to conduct research and teach in 2013-14. In addition to the Psychology Clinic renovation and expansion of services under the capable direction of

Dr. Sharpless, we have been busily upgrading other aspects of our infrastructure and programs. For example, to support expanded cross-campus exchanges in research and teaching between Pullman, Spokane, Vancouver, and the Tri-Cities, we upgraded the videoconferencing equipment and furniture in our Pullman conference room. To expand our capabilities in physiological research, we upgraded both space and equipment for the EEG lab, now located on the first floor of Johnson Tower. Dr. Fournier's EEG research investigates the role of working memory in action planning, an issue that has important implications for our ability to carry out goal-directed actions as our memory span decreases with age. Additionally, Dr. Gartstein's lab is now investigating links between infant EEG asymmetry, temperament, and family/parent variables. Although the Johnson Tower vivarium finally had to close this year—our 50+ year old facility could no longer support escalating national standards of animal care—we were able to relocate animal research to other buildings on campus. Dr. Walker's lab moved to the new state-of-the-art Veterinary and

Biomedical Research Building across from the stadium, where he and his students now work alongside many other neuroscientists. The other animal research labs (those headed by Drs. Craft and Quock) relocated to Wegner Hall.

Interest in studying psychology at the graduate and undergraduate levels continues to increase at Pullman, Vancouver, and the Global Campus (our fully online bachelor's program). To support this expansion, several faculty searches this year will result in exceptional additions to our research and teaching teams on all campuses next year. Financial support for graduate training will increase in 2014-15 with the awarding of our first Marchionne Research Fellowship to a stellar predoctoral researcher. We anticipate awarding two of these fellowships each year thereafter, thanks to a very generous gift from the Marchionne Foundation in 2013. In addition, an expanded conference travel award program plus dissertation and excellence awards for graduate students means that support for graduate training in psychology is stronger than ever. Last but not never least, we are updating our undergraduate psychology major on all campuses, to enhance our bachelor's students' job preparedness and scientific acumen. As always, I offer my sincere thanks to all of our loyal Cougar alumni who support our work through your generous donations—we couldn't do it without you.

—Rebecca Craft, Professor and Chair



We Would like to Hear from You

We are very interested in hearing from our alumni. You can find us at wsu.edu/psychology. Just click on the Alumni and Friends link. This site provides information relevant to alumni. You may view the alumni newsletter online, submit your news for future newsletters, and obtain information about how to make a financial contribution to the Department of Psychology or the College of Arts and Sciences. Please take a moment to visit us online at wsu.edu/psychology. We look forward to hearing from you.



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Awards and Honors

Leonard Burns (professor) received a fellowship from the Spanish government to visit the island of Majorca during June 2014. Len taught a course on structural equation modeling and advanced his research collaboration with his colleague Dr. Servera at the University of the Balearic Islands. Len was also invited to give a colloquium about his research at Utah State University. His talk was titled "Do parents and teachers really agree on the occurrence of ADHD symptoms?"

Rebecca Craft (professor and department chair) received the Psychology Department Distinguished Alumnus Award from her alma mater, UNC-Chapel Hill.

Paul Kwon (associate professor) was named as an editorial board member of a new journal titled *Psychology of Sexual Orientation and Gender Diversity*.

Donelle (Dee) Posey (clinical assistant professor) was the recipient of the 2014 CAS Excellence in Teaching by a Clinical Faculty Member Award.

Tahira Probst (professor, WSU Vancouver) was granted fellow status in the Society for Industrial/Organizational Psychology (APA Division 14). This prestigious honor recognizes Tahira's outstanding accomplishments in the field and is awarded to only a few select recipients. Tahira was also the recipient of the 2014 WSU International Research Travel Award jointly sponsored by the Office of International Programs and Office of Research.

Samantha Swindell (clinical associate professor) was the recipient of the 2013-2014 President's Distinguished Teaching Award for Non-Tenure Track Faculty.

Brendan Walker (associate professor) was selected to be a National Academy of Sciences Kavli Fellow, an honor given to younger scientists who have made a substantial contribution to science.

Grants

Stephanie Bauman (associate professor, WSU Tri-Cities) received a WSU ADVANCE grant to support the development of an external mentoring relationship with Marilyn Stern, a professor of rehabilitation and mental health counseling at the University of South Florida with expertise in pediatric psychosocial oncology and adolescents' transition to survivorship.

Joyce Ehrlinger (assistant professor), along with co-principal investigator Kali Trzeniewski, will examine "The Impact of Theories of Intelligence on Self-Regulation Learning Strategies and Performance Improvement" with a grant from the Institute of Education Studies, Cognition and Student Learning. In addition, Joyce received a grant from WSU ADVANCE to study "Tracking Visual Reactions to Negative Feedback," a collaborative project with Dr. Carol Dweck at Stanford University.

Masha Gartstein (associate professor) received a Berry Family Fellowship to enhance the generalizability for models of infant temperament and socialization-related antecedents of symptoms/behavior problems across cultures; the primary objective is investigating the origins of child behavior problems in culturally influenced domains of parenting and temperament.

Renee Magnan (assistant professor, WSU Vancouver) received a grant titled "Food Safety Education and Behavioral Changes Among Deaf and Hard-of-Hearing Population: A Model Study" from the University of Idaho.

Donelle (Dee) Posey (clinical assistant professor) and **Samantha Swindell** (clinical associate professor) were awarded an e-learning grant from the WSU Teaching Academy and Office of Undergraduate Education to examine innovative teaching arrangements in two undergraduate courses. Their grant is titled "Enhancing Student Learning Using a Flipped Classroom (Psych 311 and 312)."

Brendan Walker (associate professor) received a grant titled "Role of Dynorphin/Kappa-Opioid Systems in Alcohol Dependence" from the National Institutes of Health.

Paul Whitney (professor), **John Hinson** (professor), **Hans Van Dongen** (research professor and assistant director, WSU Spokane Sleep and Performance Research), and **Maureen Schmitter-Edgecombe** (professor) were awarded a proposal development stimulus grant from the WSU Office of Research to examine "Aging, Sleep and Cognition: A Pilot Study."

Presentations and Publications

Celestina Barbosa-Leiker (assistant professor, WSU Spokane),

Sterling McPherson (assistant professor, WSU Spokane), **Mary Rose Mamey** (doctoral student), **Leonard Burns** (professor), and **John Roll** (senior vice chancellor for academic affairs and associate vice provost for graduate education and scholarship, Division of Health Sciences, WSU Spokane) presented "Examining the factor structure of the clinical opiate withdrawal scale across gender" at the 2013 meeting of the American Psychological Association in Honolulu, Hawaii.

Stephanie Bauman (associate professor, WSU Tri-Cities) coauthored a chapter in *The Oxford Handbook of Feminist Multicultural Counseling Psychology* (Oxford University Press) titled "Life span development: Childhood, adolescence, and adulthood."

Francis Benjamin (information systems coordinator for Department of Psychology; doctoral student, political science), along with coauthors M. Chavez and N.P. Lovrich, published an article titled "Washington state budget: A year of political earthquakes" in the *California Journal of Politics and Policy*.

Art Blume (professor, WSU Vancouver) gave several invited presentations in 2013, including "Sharing the light of the sacred fire: A proposal for a paradigm shift in psychology" at the Society of Indian Psychologists (Logan, Utah); "Indigenous people and CBT: Bringing healing cultures together in new and thoughtful ways" at the World Congress of Behavioral and Cognitive Therapy (Lima, Peru); "Beyond hassled: College students of color and racial/ethnic microaggressions" at the annual meeting of the American Psychological Association National Convention (Honolulu, Hawaii); and "Indigenizing interventions: Moving beyond individual healing" at the Center for Native Alaska Health Research (University of Alaska Fairbanks). Art also published an article in the *Journal of Indigenous Psychology* titled "Does the American Psychological Association's Code of Ethics work for us?"

Leonard Burns (professor), along with coauthors J.A. Walsh, M. Severa, U. Lorenzo-Seva, E. Cardo, and A. Rodríguez-Fornells, published "Construct validity of ADHD/ODD rating scales: Recommendations for the evaluation of forthcoming DSM-V ADHD/ODD scales" in the *Journal of Abnormal Child Psychology*. Len also published "Distinctions between sluggish cognitive tempo, ADHD-IN and depression

symptom dimensions in Spanish first-grade children” in the *Journal of Clinical Child and Adolescent Psychology*, coauthored by M. Servera, M.M. Bernad, J. Carrillo, and E. Cardo. Finally, Len presented “Reliability and validity by the multiple indicator by multiple trait by multiple source by multiple situation by multiple occasion model: Application to scores from a ADHD rating scale” at the Modern Methods of Modeling Conference at the University of Connecticut.

Rebecca Craft (professor and department chair), along with **Julie Marusich** ('02 BS Psych) and J. Wiley, published “Sex differences in cannabinoid pharmacology: A reflection of differences in the endocannabinoid system?” in *Life Sciences*. Rebecca also published an article with **Ram Kandasamy** ('12 BS Neuroscience) and **Seth Davis** (doctoral student) titled “Sex differences in anti-allodynic, anti-hyperalgesic and anti-edema effects of THC in the rat” in the journal *Pain*.

Lee Daffin (clinical assistant professor and director of the online program) wrote a textbook titled *Fundamentals of Psychology: Exploring Behavior and Cognitive Processes*, published by Kendall Hunt Publishing Company.

Joyce Ehrlinger (assistant professor) presented “Implicit theories, preferential attention, and overconfidence” at the annual meeting of the American Psychological Association (Honolulu, Hawaii) and “Politeness as a contributor to overconfidence” for the Person Memory Interest Group in Petaluma, California.

Lisa Fournier (associate professor and director of experimental training) and **Jonathan Gallimore** ('13 PhD Psych) published “What makes an event: Temporal integration of stimuli or actions?” in *Attention, Perception and Psychophysics*. Lisa also presented a paper titled “Maintaining action plans in working memory: Insights into action plan representation and construction for newly learned tasks” to the Psychology Department at Vanderbilt University in Nashville and at the WSU Riverpoint Biomedical Research Seminar Series in Spokane. Finally, Lisa, Jonathan, **Kevin Feiszli** ('11 BS Psych), and G. Logan presented a paper titled “On the importance of being first: Serial order effects in the interaction between action plans and ongoing actions” at the 52nd annual meeting of the Psychonomic Society in Toronto, Canada.

Masha Gartstein (associate professor), along with **David Bridgett** ('08 PhD Psych), B. Young, **Jaak Panksepp** (Baily Endowed Chair of Animal Well-Being Science and Professor; professor, Integrative Physiology and Neuroscience), and T. Power, published “Origins of effortful control: Infant and parent contributions” in the journal *Infancy*. Masha also published a paper titled “Cross-cultural differences in the development of behavior problems (Russia and U.S.): A longitudinal evaluation.” with H. Slobodskaya, S. Putnam, and M. Rothbart in the *International Journal of Developmental Science*. Finally, Masha presented a paper on “Temperament, environment and psychopathology” at the Occasional Temperament Conference in Salt Lake City, Utah.

John Hinson (professor), **Paul Whitney** (professor and senior associate dean for research and graduate education, College of Arts and Sciences), **Hans Van Dongen** (research professor and assistant director, WSU Spokane Sleep and Performance Research), and M. Jackson presented “Feedback blunting as a mechanism of sleep loss impact” at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, California.

Paul Kwon (associate professor) published “Resilience in lesbian, gay, and bisexual individuals” in *Personality and Social Psychology Review: An Official Journal of the Society for Personality and Social Psychology*. Paul also coedited a special issue on “Psychopathology in Asians and the DSM-5” in the *Asian Journal of Psychiatry*, along with Ed Chang (University of Michigan).

Steve Lakatos (associate professor and program leader, WSU Vancouver) presented “Integrating statistics and methodology instruction in a problem-based learning laboratory” at the 4th Vancouver International Conference on the Teaching of Psychology in Vancouver, British Columbia.

Renee Magnan (assistant professor, WSU Vancouver) was the lead author of several recent publications, including: “Evaluating an integrative theoretical framework for HIV sexual risk among juvenile justice involved adolescents: Baseline data from the Project SHARP intervention trial” in the *Journal of AIDS and Clinical Research (Online)*, “A transdisciplinary approach to the selection of moderators of an exercise promotion intervention: Baseline data and rationale for Colorado STRIDE” in the *Journal of Behavioral Medicine*, “Self-monitoring effects of ecological momentary assessment on smokers’ perceived risk and worry” in *Psychological Assessment/American Psychological Association*, “Effects of current physical activity on affective response to exercise: Physical and social-cognitive mechanisms” in *Psychology and Health*, and “Aerobic capacity testing with inactive individuals: The role of subjective experience” in the *Journal of Physical Activity & Health*. Renee also presented a paper titled “Effects of worry on preliminary motivational outcomes of a sexual risk reduction intervention among detained adolescents” at the annual meeting for the Society of Behavioral Medicine in San Francisco, California.

David Marcus (professor and director of clinical training) coauthored a paper titled “Lead and attention-deficit/hyperactivity disorder (ADHD) symptoms: A meta-analysis” with J.K. Goodlad and J.J. Fulton in *Clinical Psychology Review*. David also coauthored papers in the *Journal of Psychiatric Research* (“The latent structure of oppositional defiant disorder in children and adults”) and the *Journal of Consulting and Clinical Psychology* (“Are the parts as good as the whole? A meta-analysis of component treatment studies”). Finally, David presented a paper on “The latent structure of oppositional defiant disorder” at the American Psychology-Law Society meeting in Portland, Oregon.

Michael Morgan (professor, WSU Vancouver) gave several invited presentations in recent months, including “Role of the periaqueductal gray in pain inhibition” to the University of Washington as part of the Behavioral Neuroscience Seminar Series, as well as two papers at the International Narcotics Research Conference in Cairns, Australia (“Ligand-biased mechanisms of opioid antinociception” and “The periaqueductal gray contributes to oxycodone, but not methadone antinociception in the rat”).

Craig Parks (professor), Jeff Joireman, and P.A. van Lange published “Cooperation, trust and antagonism: How publicly beneficial goods are promoted” in *Psychological Science in the Public Interest: A Journal of the American Psychological Society*.

Donelle (Dee) Posey (clinical assistant professor), C. Chapman, and **Blythe Duell** ('04 MS, '08 PhD Psych) presented “How ease of retrieval influences snap versus thoughtful judgments about the self” at

the annual meeting of the Western Psychological Association in Reno, Nevada. Dee also presented "Fantasy Football League: A Z-Score Activity" at the same conference.

Tahira Probst (professor, WSU Vancouver) published several papers recently, including "Pressure to produce = Pressure to reduce accident reporting?" in *Accident Analysis and Prevention* with **Maja Graso** ('08 MS, '11 PhD Psych), "Conducting effective stress intervention research: Strategies for achieving an elusive goal" in *Stress and Health*, and "The relationship between job insecurity and accident underreporting: A test in two countries" in *Work and Stress* with C. Barbaranelli and L. Petitta. Tahira also gave several presentations at the Work, Stress and Health Conference in Los Angeles, California, including "Job insecurity and accident under-reporting: Exploring the moderating effect of organizational safety climate," "Recall vs. recognition measures of accident under-reporting," and "Insecurity in the ivory tower: Budgetary effects of pay and job insecurity on faculty outcomes." Finally, Tahira gave a keynote presentation titled "Job insecurity and relationships with employee safety and well-being" at the Health and Safety Workshop "The Changing Employment Relationship and Worker Well-Being," sponsored by the Center for Research in Occupational and Environmental Toxicology at OHSU, PSU, and Oregon Health Workforce Center in Portland, Oregon.

Maureen Schmitter-Edgecombe (professor), **Adriana Seelye** ('13 PhD Psych), and Diane Cook published "Technologies for health assessment, promotion and assistance: Focus on gerontechnology" in *Positive Neuropsychology: An Evidence-Based Perspective on Promoting Cognitive Health* (Springer Science and Business Media, LLC). Maureen also gave several invited presentations this past year, including: "Aging and everyday functioning: cognitive abilities and smart technologies" at Simon Fraser University in Vancouver, British Columbia, "Everyday functioning in older adults" at the 33rd annual meeting of the National Academy of Neuropsychology in San Diego, California, "Research in dementia" to the Women with Parkinson's disease support group in Spokane, and "Aging in place: Developing interventions for individuals experiencing memory problems and their care-partner" presented to the Alzheimer's Association Board of Eastern Washington in Spokane.

Brian Sharpless (assistant professor and clinic director) published "Kierkegaard's conception of psychology" in the *Journal of Theoretical and Philosophical Psychology* and "Predictors of program performance of the Examination for Professional Practice in Psychology (EPPP)" in *Professional Psychology, Research and Practice*. Brian also presented two papers at the annual meeting of the American Psychological Association

in Honolulu, Hawaii: "Predictors of program performance on the Examination for Professional Practice in Psychology" and "Isolated sleep paralysis: Prevention, disruption, and hallucinations of others."

Elizabeth Soliday (associate professor, WSU Vancouver), **Kimberly Tremblay** (doctoral student), and J. Sayyam published "Pathways to violated expectations of epidural uptake: A mixed-methods study" in the *Journal of Reproductive and Infant Psychology*. Elizabeth also coauthored two papers with P. Hapke, the first titled "Patient-reported benefits of acupuncture in pregnancy" published in *Complementary Therapies in Clinical Practice* and the second titled "Research on obstetric acupuncture: The U.S. contribution" published in *Medical Acupuncture*.

Paul Strand (associate professor, WSU Tri-Cities) gave an invited presentation titled "Update on school-court partnerships to reduce truancy" to the Washington State Becca Conference for Juvenile Reform. He also published the "Spokane County Juvenile Court Models for Change Project: Final Report" for the Spokane County Toolkit for Community Truancy Board Replication.

Sarah Tragesser (associate professor, WSU Tri-Cities), along with R. Jones, R.J. Robinson, A. Stutler, and A. Stewart published "Borderline Personality Disorder features and risk for prescription opioid use disorders" in the *Journal of Personality Disorders*.

Brendan Walker (associate professor) and **Jessica Kissler** ('11 BS Psych, graduate student) published "Dissociable effects of kappa-opioid receptor activation on impulsive phenotypes in wistar rats" in *Neuropsychopharmacology*. Brendan also gave multiple invited presentations this past year, including: "Preclinical pharmacotherapeutic development of treatments for addictive and neuropsychiatric disorders: Focus on the dynorphin / kappa-opioid receptor system" at the 5th Indo-U.S. Kavli Frontiers of Science event in Agra, India, "The dissociable effects of kappa-opioid receptor activation on intolerance to delay and response inhibition" at the American College of Neuropsychopharmacology Conference in Hollywood, Florida, and "Dissociable effects of kappa-opioid receptor activation on impulsive phenotypes" at the Pain and Addiction Conference in Cambridge, Massachusetts.

Paul Whitney (professor and senior associate dean for research and graduate education, College of Arts and Sciences), **John Hinson** (professor), and **Peter Rosen** ('12 MS Psych) presented "Affective reactions and framing inertia in ambiguous risk decision making" at the annual meeting of the Cognitive Neuroscience Society in San Francisco, California.



Awards and Honors

Kelly Hewitt (senior, psychology and neuroscience) was the recipient of a Boeing Crimson Award in the "Organismal, Population, Ecological, and Evolutionary Biology" research category at the 2014 WSU Showcase of Undergraduate Research and Creative Activity (SURCA). Kelly's poster was titled "Sex does not influence the effectiveness of ibuprofen at reducing pain and inflammation."

Katherine Martucci (senior, psychology and neuroscience) was selected as the Department of Psychology's Outstanding Graduating Senior for 2013-2014.

Alyssa Norris (doctoral student) was awarded the Burgess Brothers Memorial Scholarship in the College of Arts and Sciences and the Marchionne Fellowship for Research.

Jason Potwora (doctoral student) was awarded the Marchionne Fellowship for Teaching.

Joyce Tam received a diversity scholarship from the American Academy of Clinical Neuropsychology to off-set travel costs for the 2104 AACN conference in New York City, where she will present a poster titled "Quality of life among individuals with mild cognitive impairment and their care-partners."

Grants

Amy Bender ('12 MS Psych) was awarded a grant from WSU's Alcohol and Drug Abuse Research Program for her dissertation project titled "Objective Markers of Sleep Disturbance as Predictors of Smoking Relapse."

Anthony Berger (graduate student) received a grant from U.S. Department of Health and Human Services to study the "Role of Dynorphin/Kappa-Opioid Systems in Alcohol Dependence."

Jo Cervenka (senior, neuroscience) (mentor: **Rebecca Craft**) received two grants from the WSU Alcohol and Drug Abuse Research Program, one to study "Sex Differences in Antinociception Produced by Cannabidiol (CBD) - Δ 9-Tetrahydrocannabinol (THC) Combinations" and another to examine "Sex Differences in the Rewarding and Analgesic Effects of Morphine Using a Conditioned Place Preference Procedure." The later study was also funded by an undergraduate research grant from the Department of Psychology.

Devon Grant (doctoral student), along with **Hans Van Dongen** (research professor and assistant director, WSU Spokane Sleep and Performance Research), **John Hinson** (professor), **Matthew Layton** (graduate student), and **Paul Whitney** (professor and senior associate dean for research and graduate education, College of Arts and Sciences), received a grant from PULSAR for "ONR STTR phase 2 base period: Validation study."

Mary Rose Mamey, along with **Leonard Burns** (professor) and **Sterling McPherson** (assistant professor, WSU Spokane) received a grant for "Assessing Parallel Development of Co-Morbid Substance Use in Adolescents with ADHD," from the WSU Office of Research.

Joelle Martin (junior, biology) and **Amy Nusbaum** (junior, psychology) (both mentored by **Paul Whitney**) were awarded an Auvil Scholars Fellowship to examine "Individual differences in reversal learning performance in people without brain injury are due to the differences in expectations that people develop about choice outcomes."

Molly McGinnis ('13 BS Psych) (mentor: **Brendan Walker**) received a grant for "Dysregulation of the Dynorphin / Kappa-Opioid Receptor System Promotes Withdrawal-Induced Negative Affect" from the WSU Office of Research.

Graduates

The following students received their master's degrees in 2013-2014:

Maria Arellano Piedra
Meghan Berlingo
Emilia Brown
Nora Erickson
Candace Fanale
Justin Hampton
Natalia Potapova
Jason Potwora
Angela Williams

The following students passed their preliminary exams in 2013-2014

Emilia Brown
Timothy Freson
Devon Grant
Girwan Khadka
Bora Kim
Marlis Cornelia (Conny) Kirchhoff
Mary Rose Mamey
Jason Potwora
Kimberly Tremblay
Natalie Turner
Angela Williams

The following students received their doctoral degrees in 2013-2014

Wendi Benson
Erin Bobeck
Scott Creamer
Jonathan Gallimore
Lixin Jiang
Adriana Seelye
Alexa Wakley
Lora Wu

Daniel Nicoara (undergraduate student) (mentor: **Ray Quock**) received a grant from the WSU Alcohol and Drug Abuse Research Program for his project titled "Hyperbaric oxygen treatment suppresses the withdrawal symptoms in opioid dependent mice."

Debra O'Connell (graduate student), **Abere Sawaqdeh** (graduate student), and **David Marcus** (professor and director of clinical training) received a grant from the WSU Alcohol and Drug Abuse Research Program to support "Predicting Substance Use and Risky Sexual Behavior: Psychopathic Personality Traits and Urgency."

Misa Shimono (senior, psychology, WSU Tri-Cities) (mentor: **Donelle Posey**) received grants from both the Department of Psychology and the WSU College of Arts and Sciences to fund a study titled "Here are the keys to your brain. Want to take it for a test drive?" Misa was also the recipient of the James A. Weir Undergraduate Research Scholarship.

Rebecca Wescom (undergraduate, WSU Vancouver) (mentor: **Michael Morgan**) was awarded a summer research internship from the WSU Alcohol and Drug Abuse Program to conduct research titled "Role of Presynaptic and Postsynaptic Opioid Receptors in Antinociception."

Presentations and Publications

Lawrence Behmer (doctoral student) and **Lisa Fournier** (associate professor and director of experimental training) presented "Using EEG and machine learning to predict action goals from data in the human mirror system" at the 20th annual meeting of the Cognitive Neuroscience Society in San Francisco, California.

Anthony Berger (graduate student), **Angela Williams** (doctoral student), **Molly McGinnis** ('13 BS Psych), and **Brendan Walker** (associate professor) published "Affective cue-induced escalation of alcohol self-administration and increased 22-kHz ultrasonic vocalizations during alcohol withdrawal: Role of kappa-opioid receptors" in *Neuropsychopharmacology: Official Publication of the American College of Neuropsychopharmacology*.

Erin Bobeck ('04 BS, '10 MS Psych), S.M. Taff, and **Michael Morgan** (professor, WSU Vancouver) presented "Co-administration of morphine and fentanyl into the PAG protects against tolerance to either opioid" at the 43rd meeting of the Society for Neuroscience in San Diego, California.

Emilia Brown (doctoral student), along with **Paul Kwon** (associate professor), H. Garcia, K. Lovejoy, M. Nakamura, A. Oviatt, T. Smith, and S. Story, presented a paper titled "The effects of hope and counterfactual thinking on preparedness for future events and affect" at the annual meeting of the Society of Personality and Social Psychology in New Orleans, Louisiana.

Seth Davis (doctoral student) and **Rebecca Craft** (professor and department chair) presented "CB receptor mediation of THC-induced antinociception using a chronic inflammatory pain model in female vs. male rats" at the International Cannabinoid Research Society meeting in Vancouver, British Columbia.

Candace Fanale (graduate student), **Elizabeth (Devon) Eldridge** ('12 MS Psych), **Bruce Wright** (clinical associate professor), **Maureen Schmitter-Edgecombe** (professor), L.H. Warren, J.L. Banasik, and **Dennis Dyck** (professor, WSU Spokane) presented two papers at the annual meeting of the Association for Psychological Science in Washington, DC: "Preliminary results: High-density lipoprotein is predictive of superior cognitive function in older adults with mild cognitive impairment" and "Preliminary results for the effects of a psychoeducational intervention upon physiological markers associated with cognitive impairment."

Tim Freson (doctoral student), **Leonard Burns** (professor), **Craig Parks** (professor), and **Paul Kwon** (associate professor) presented a poster titled "Male body image disturbance scale: Psychometric properties of a new questionnaire" at the 2013 meeting of the American Psychological Association Convention in Honolulu, Hawaii.

Devon Grant (doctoral student), **Paul Whitney** (professor and senior associate dean for research and graduate education, College of Arts and Sciences), **John Hinson** (professor), **Michael Layton** (graduate student), and **Hans Van Dongen** (research professor and assistant director, WSU Spokane Sleep and Performance Research) presented a paper titled "The effect of total sleep deprivation on semantic encoding" at the annual meeting of the Associated Professional Sleep Societies in Baltimore, Maryland.

Aaron Haas (graduate student) and **Rebecca Craft** (professor and department chair) presented "Activational gonadal hormone

modulation of the behavioral effects of Δ 9-tetrahydrocannabinol in male and female rats" at the International Cannabinoid Research Society meeting in Vancouver, British Columbia.

Girwan Khadka (doctoral student) and **Leonard Burns** (professor) published "A measurement framework to determine the construct validity of ADHD/ODD rating scales: Additional evaluations of the Child and Adolescent Disruptive Behavior Inventory" in the *Journal of Psychopathology and Behavioral Assessment*.

Lixin Jiang ('13 PhD Psych) and **Tahira Probst** (professor, WSU Vancouver) presented two papers at the annual meeting of the Society for Industrial and Organizational Psychology in Houston, Texas. The first was titled "Multilevel effects of individual trust and trust climate" and the second was titled "The moderating effect of trust on consequences of job insecurity."

Jessica Kissler ('11 BS Psych, graduate student), **Angela Williams** (doctoral student), and **Brendan Walker** (associate professor) presented "KOR blockade attenuates escalated alcohol self-administration in alcohol dependent rats: Dissociation between the central amygdala and nucleus accumbens" at the annual meeting of the Society for Neuroscience in San Diego, California.

Courtney McAlister (graduate student) and **Maureen Schmitter-Edgecombe** (professor) published "Naturalistic assessment of executive function and everyday multitasking in healthy older adults" in *Aging, Neuropsychology and Cognition*. They also presented a paper titled "Everyday functioning and neuropsychiatric symptoms in healthy older adults and individuals with mild cognitive impairment" at the 33rd annual meeting of the National Academy of Neuropsychology in San Diego, California.

Melissa Mehalick (doctoral student), S.L. Ingram, S.A. Aicher, and **Michael Morgan** (professor, WSU Vancouver) published an article titled "Chronic inflammatory pain prevents tolerance to the antinociceptive effect of morphine microinjected into the ventrolateral periaqueductal gray of the rat" in the *Journal of Pain*.

Alyssa Norris (doctoral student) and **David Marcus** (professor and director of clinical training) presented a paper titled "Psychopathic personality traits predict attitudes toward sexually predatory tactics" at the annual meeting of the American Psychology-Law Society in Portland, Oregon.

Carolyn Parsey (doctoral student) and **Maureen Schmitter-Edgecombe** (professor) presented a paper titled "Direct observation of instrumental activities of daily living in normal aging, mild cognitive impairment, and dementia" at the International Neuropsychological Society in Kona, Hawaii.

Kayla Robertson (graduate student), S. Fuller, and **Maureen Schmitter-Edgecombe** (professor) presented "Examination of attentional deficits following traumatic brain injury" at the annual meeting of the International Neuropsychological Society in Kona, Hawaii. Kayla and Maureen also presented a paper titled "Self awareness and traumatic brain injury outcome" at the 11th annual conference of the North American Brain Injury Society in New Orleans, Louisiana.

Adriana Seelye ('13 PhD Psych), **Maureen Schmitter-Edgecombe** (professor), Diane Cook, and A. Crandall published "Naturalistic assessment of everyday activities and smart environment prompting technologies in mild cognitive impairment subtypes" in the *Journal*

Student News

of the *International Neuropsychological Society*. They also presented “Technology based prompting for instrumental activities of daily living in healthy aging, mild cognitive impairment and dementia” at the annual meeting of the International Neuropsychological Society in Kona, Hawaii.

Amy Sparrow (graduate student), **Paul Whitney** (professor and senior associate dean for research and graduate education, College of Arts and Sciences), **John Hinson** (professor), **Michael Layton** (graduate student), and **Hans Van Dongen** (research professor and assistant director, WSU Spokane Sleep and Performance Research) presented “Reaction time variability and time on task effects in a Sternberg working memory task during total sleep deprivation” at the annual meeting of the Associated Professional Sleep Societies in Baltimore, Maryland.

Alexandra Stubblefield ('14 MS Psych), **Lisa Fournier** (associate professor), and **Lawrence Behmer** (doctoral student) presented “Response costs due to action-feature overlap between action plans are influenced by working memory span” at the 52nd annual meeting of the Psychonomic Society in Toronto, Canada.

Joyce Tam (graduate student) and **Maureen Schmitter-Edgecombe** (professor) published a paper titled “The role of processing speed in the Brief Visuospatial Memory Test-Revised” in the journal *Neuropsychology, Development and Cognition. Section D: The Clinical Neuropsychologist* and another titled “Event-based prospective memory and everyday forgetting in healthy older adults and individuals with mild cognitive impairment” in the *Journal of Clinical and Experimental Neuropsychology: Official Journal of the International Neuropsychological Society*. They also presented two papers at the 33rd annual meeting of the National

Academy of Neuropsychology in San Diego, California. The first was titled “Age-differences in prospective memory performance in a naturalistic setting” and the second was titled “Temporal order memory and intentional learning in individuals with mild cognitive impairment.”

Kimberly Tremblay (doctoral student) and **Elizabeth Soliday** (associate professor) published two articles in the *Journal of Prenatal and Perinatal Psychology and Health*. The first was titled “Provider trust: A useful concept in maternal care” and the second was titled “Effect of planning, wantedness, and attachment on prenatal anxiety.”

Alexa Wakley ('13 PhD Psych), **Alisha McBride** ('13 BS Neuroscience), and **Rebecca Craft** (professor and department chair) presented an article titled “Hormone modulation of antinociceptive but not motoric effects of i.c.v. THC in ovariectomized female rats” at the International Cannabinoid Research Society in Vancouver, British Columbia.

Alyssa Weakley ('09 BS Psych), **Maureen Schmitter-Edgecombe** (professor), and J. Anderson published “Analysis of verbal fluency in amnesic and nonamnesic mild cognitive impairment” in the *Archives of Clinical Neuropsychology*. They also presented a paper titled “Analysis of verbal fluency in mild cognitive impairment” at the meeting of the International Neuropsychological Society in Kona, Hawaii.

Cristina Wilson (graduate student), **John Hinson** (professor), and **Paul Whitney** (professor and senior associate dean for research and graduate education, College of Arts and Sciences), presented a paper titled “The role of outcome feedback in descriptive and experiential decision making” at the annual meeting of the Psychonomic Society in Toronto, Canada.

Alumni News

David Bridgett ('08 PhD Psych), along with L. Laake, **Masha Gartstein** (associate professor), and D. Dorn, published “Development of infant positive emotionality and maternal characteristics as determinants of subsequent maternal parenting practices” in *Infant and Child Development*.

Maja Graso ('08 MS, '11 PhD Psych), Tahira Probst (professor, WSU Vancouver), Armando Estrada, and S. Greer published “Consideration of future safety consequences: A new predictor of employee safety” in the journal *Accident Analysis and Prevention*.

Lt. Cmdr. Seth A. Green ('09 PhD Psych) received the 2012 Junior Scientist Officer of the Year Award from the United States Public Health Service for his work with elite soldiers in the US Army Special Operations Battalion.

Alan Gross ('79 PhD Psych) was awarded the newly established Award for Excellence in Graduate Teaching and Mentoring at the University of Mississippi graduate school where he is a professor of psychology.

Daniel Hurley ('10 PhD Psych) and **Paul Kwon** (associate professor) published “Savoring helps most when you have little: Interaction between savoring the moment and uplifts on positive affect and satisfaction with life” in the *Journal of Happiness Studies*.

Patrick O'Neil ('72 Psych), assistant professor of aviation and public administration at the University of Nebraska at Omaha, received the Alumni Outstanding Teaching Award from the university's alumni association in honor of his distinguished teaching in the classroom.



In Motion:

Joyce Ehrlinger Examines Self-Beliefs

Adrian Aumen

Is a person's intellectual capacity fixed or can it be improved through focused effort? How do our beliefs about the mutability of intelligence influence our acceptance of new information and our likelihood of satisfaction and success?

These are some of the questions underpinning assistant professor of psychology **Joyce Ehrlinger's** studies of accuracy and error in self-insight. By examining our beliefs about intelligence, Joyce is trying to understand what the barriers are to learning that may come from inside our own heads. This novel research, supported by a recent \$1.6 million grant from the Institute for Education Sciences, "has far-reaching implications in terms of the way we educate people at all levels, and even the way people's career trajectories develop," said Rebecca Craft, professor and chair of the Department of Psychology.

Seeking connections across community

In the three short months since she came to WSU from Florida State University, Joyce has already begun establishing new lines of related research and collaboration with colleagues across the University. She hopes to continue building connections with high school administrators and teachers in the regional community "who are interested in new tools that can help kids learn," she said.

“I came to WSU because I was looking for a collaborative, intellectual environment. It's clear that people in the Psychology Department are excited about collaborating and the broader university values it, too. This type of environment really helps produce great science.”

—Joyce Ehrlinger,
assistant professor of psychology

Recently, Pullman High School agreed to work with her to conduct research and introduce strategies proven to improve students' math skills. "By teaching students to approach math with a growth mindset, we can improve their enthusiasm about math and help them raise their grades and test scores," she said. "We have tools that have been proven to improve kids' performance on standardized tests, ultimately, just by teaching them this idea that intelligence is changeable." Through her postdoctoral and ongoing work with Carol Dweck at Stanford University, Joyce has found that the way students perceive their intellectual abilities—either as fixed or with growth potential—affects not only their grades but their anxiety and confidence levels, too. These self-judgments can make learning a challenge or a joy.

Shaping beliefs to shape outcomes

Independent of research on the actual determinants of intelligence, Joyce's studies examine people's beliefs about whether intelligence can be increased and how these beliefs shape attitudes, behaviors, and expectations. "A belief that you can become smarter is consequential because it shapes the types of goals you set for yourself. It shapes your attitudes toward negative feedback and your willingness to attempt tasks that might be hard for you. It ultimately shapes how successful you are in learning," she said. To someone who believes intelligence is fixed, struggling with a task means that person inherently lacks capability. But to someone who believes intelligence is changeable, struggling is just a necessary step toward attaining knowledge. Joyce is reaching out to other educators who can help youngsters develop "the mindset that they can become smarter. The brain is always building new connections," she said.

Advancing theory to do good in the world

This new line of research into self-insight and learning cuts across multiple areas of Joyce's expertise, including social cognition and motivation and achievement. It also combines both basic and applied approaches in a way that she believes "advances psychological theory while doing real good in the world." Recognizing the particular obstacles faced by female and minority students in STEM disciplines, Joyce hopes her research can be applied to help improve their participation and career success.

"It's breaking new ground to understand more of the science—the science of how the mind works, the science of how belief systems form, and how these beliefs affect behavior and outcomes," she said.

“As an assistant professor, Joyce has already made significant scholarly contributions to the field of social psychology.”

—Rebecca Craft,
department chair

Adventures in being wrong

An aspect of Joyce's previous research into bias and self-confidence is cited in this year's WSU Common Reading book, *Being Wrong: Adventures in the Margin of Error* by Kathryn Schultz. Joyce discussed the ways we process negative feedback and the prospect of being wrong in her presentation titled "Bias Blind Spot" as part of the Common Reading Program.

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Dr. Paul Strand Earns State Honor for Community Engagement



Paul Strand, associate professor of psychology at Washington State University Tri-Cities, has won a statewide award for exemplary civic engagement by university faculty.

The Timm Ormsby Award for Faculty Citizenship is presented annually by the state's Council of Faculty Representatives. Nick Lovrich, WSU Regents Professor, won the honor last year. Strand, who has been with WSU Tri-Cities for 17 years, studies the

development of social skills and academic readiness in children, particularly those who are raised in culturally and linguistically diverse homes. He has testified before the State Senate Human Relations and Corrections Committees on the evidence in support of his ideas.

He has focused on children from Spanish-speaking homes who struggle with shyness and anxiety in school; how these feelings contribute to both academic difficulties and teacher perceptions that a child has intellectual deficiencies; and how to help children, families, and teachers overcome these barriers.

He works with Tri-Cities-area Head Start programs to help children from Spanish-speaking homes thrive and prepare for entry into kindergarten, and he has presented his ideas to the Washington State Head Start/ECEAP program.

Strand also applies his expertise to the problem of truancy, with a goal of developing interventions for chronic truants that will help them better engage in school and develop useful skills. He has shared his Truancy Intervention Toolkit with juvenile justice experts around the state.

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Dr. Jay Wright Retires

Jay (John) Wright, WSU Regents Professor of psychology, came to WSU from Fordham University in 1975. In his nearly 40 years at WSU, Jay has been a leader in every aspect of university life—service, instruction, and research. He served as department chair for five years between 1993 and 1999 and has been a mainstay of the experimental psychology program. He has taught multiple courses during his career but is best recognized for his undergraduate and graduate physiological psychology courses, which have been known as some of the best but most challenging the department offers. He was also one of the early architects of the neuroscience program, one of WSU's most outstanding academic programs. In recent years Jay has passed on his legacy of outstanding teaching to graduate students through his Psych 505 course, where novice teachers can learn the instructional trade. In

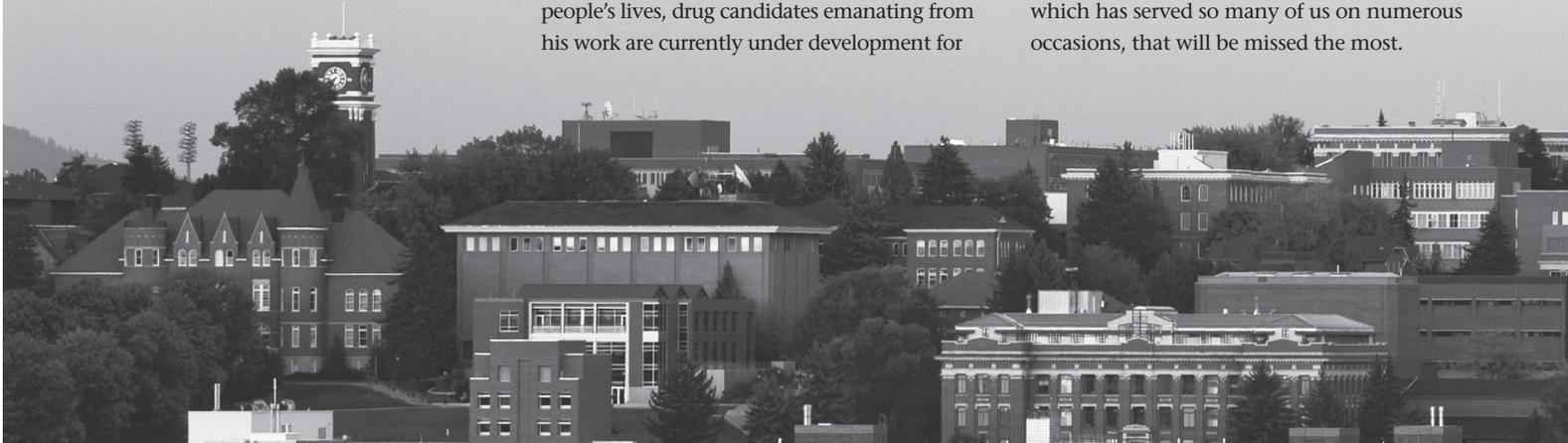
addition to the students who have benefited from his classroom instruction, countless undergraduate and graduate students have profited from experiences in his laboratory. Jay is a gifted behaviorist and small animal surgeon and has always been generous about sharing these skills with interested students and faculty. While his service and instructional contributions have been notable, his biggest contributions—which extend well beyond the confines of WSU—have been his research endeavors. Jay has been a prolific author with over 200 peer-reviewed publications and is recognized as a world leader in angiotensin biology and neurodegenerative disease. Moreover, his ground-breaking discoveries have not remained cloistered in the halls of academia and buried in the pages of the scientific literature, but have spawned multiple biotechnology companies where they have the potential to change the lives of millions. As a testament to his desire to make a difference in people's lives, drug candidates emanating from his work are currently under development for



Wright with an undergraduate student

the treatment of Alzheimer's and Parkinson's diseases.

Although Jay's many scholarly and instructional contributions will be difficult if not impossible to replace, it is his friendship, insights, and his sanity in the midst of chaos, which has served so many of us on numerous occasions, that will be missed the most.

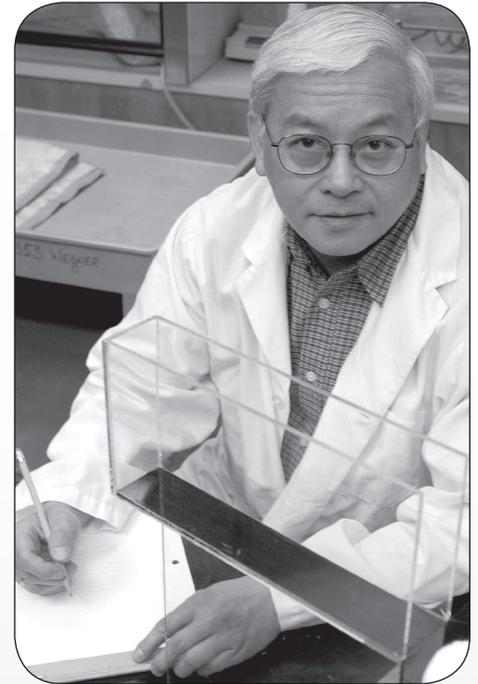


Dr. Raymond Quock Joins the Department of Psychology

The department is thrilled to announce the addition of **Raymond Quock** to the psychology faculty.

Ray's research focuses on the physiological and behavioral effects of hyperbaric oxygen (HBO2) therapy and the medical use of nitrous oxide, commonly known as "laughing gas." HBO2 therapy is used to treat a broad range of chronic pain conditions (e.g., fibromyalgia, migraine headaches, rheumatoid arthritis). Ray has systematically documented the pain relief that occurs following single and repeated HBO2 treatments. His research suggests that exposure to HBO2 stimulates the production of nitrate and nitrite metabolites in the spinal cord as well as in specific brain regions. These metabolites, working in conjunction with select opioid mechanisms, contribute to the pain-relieving effects of HBO2 therapy. Ray's research has also shown that exposure to nitrous oxide induces the release of specific opioid peptides and that nitric oxide may regulate this effect.

Ray earned a bachelor's degree in biology at the University of San Francisco in 1970 before pursuing his doctorate in pharmacology at the University of Washington, which he completed in 1974. He went on to hold faculty appointments at several institutions, including the University of the Pacific School of Pharmacy (1975-79), Marquette University School of Dentistry (1979-89), the Medical College of Wisconsin and VA Medical Center (1979-89), and the University of Illinois College of Medicine at Rockford (1989-98). In 1999, Ray accepted a faculty position at WSU as professor of pharmacology in the College of Pharmacy. He served two terms as department chair of pharmaceutical sciences, from 1999-2002 and 2007-2012. Ray was inducted into the WSU President's Teaching Academy in 2004 and was honored with the title of the Allen I. White Distinguished Professor in 2007.



In Memoriam

We are saddened by the passing of the following individuals who touched our lives both personally and professionally. They will be sincerely missed.

Patricia A. Bauer ('62 Psych, Kappa Alpha Theta), 72, March 2013, Spokane, Washington.

Genevieve Kay Bishop ('79 Psych), 70, January 10, 2013, Ormond Beach, Florida.

Dale Hammond Edwards ('51 Psych), 83, July 4, 2013, Seattle, Washington.

Candace A. Fields ('04 Psych), 30, March 21, 2013, Phoenix, Arizona.

Emmit Noel Routson ('62 Psych), 78, March 14, 2013, Coeur d'Alene, Idaho.

Earl Philip West ('53 MS Psych), 85, April 9, 2013, Grand Junction, Colorado.



Big Changes *continued from cover*

The clinic also has a new director. Dr. **Brian Sharpless** joined the WSU clinical psychology faculty in July 2013. He is the first full-time, tenure-track faculty director of the clinic. Dr. Sharpless received his doctorate in clinical psychology and master's degree in philosophy from Pennsylvania State University. He completed a postdoctoral clinical fellowship (Pennsylvania Hospital) and postdoctoral research fellowship (Center for Psychotherapy Research) at the University of Pennsylvania. Thereafter he served as the assistant director of Penn State's Psychological Clinic. Dr. Sharpless teaches advanced psychotherapy in the clinical program and supervises the assistant director, postdoctoral fellow, and clinic assistants. Dr. Sharpless's research focuses on anxiety, sleep disorders,

psychoanalytic therapy, the assessment of psychologists' professional competence, and the intersections of philosophy with clinical psychology

Dr. Sharpless hopes to ultimately utilize the Psychology Clinic to fully integrate science and practice within the clinical program. He is currently working with WSU's Institutional Review Board to transform the clinic into a "practice-research network" where empirical data will be collected in a real-world clinical setting. This will not only involve the patients (who can volunteer to be a part of this research), but will also involve the student therapists. Dr. Sharpless hopes that this clinical research will yield more insight into what makes therapy and therapists effective.

