

Baine Burgess Craft

Curriculum Vitae ~ updated 09/2007

Contact Information

Seattle Pacific University
School of Psychology, Family and Community
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Seattle, WA 98119-1997

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Current Position

Assistant Professor of Psychology, School of Psychology, Family and Community,
Seattle Pacific University

- Director of Undergraduate Research
- IACUC Chair

Education

Bachelor of Science

Psychology, Department of Psychology,
Mississippi College, Clinton, MS
Completed: May 2001

Completed the hour required for a Bachelor of Arts

English, Department of English,
Mississippi College, Clinton, MS
Completed: May 2001

Master of Arts

Psychology: Animal Behavior and Learning, Department of Psychology,
University of Montana, Missoula, MT
Completed: December 2004

Doctor of Philosophy

Psychology: Animal Behavior and Learning, Department of Psychology,
University of Montana, Missoula, MT
Completed: August 2005

- Graduate Minor: *Clinical Neuropsychology*

Honors and Awards

- Sigma Xi, The Scientific Research Society, Spring 2005
- Bertha Morton Scholarship for Research, Fall 2004-Spring 2005
University of Montana, Missoula

- Outstanding Presenter Award, Spring 2004 College of Arts and Sciences Annual Graduate/Faculty Research Conference. Missoula, Montana
- Letter of Commendation for Research and Teaching, Spring 2003 Experimental Faculty, Psychology Department, University of Montana, Missoula, MT
- Travel Award: University of Montana, Missoula, MT, April 2003
- Graduated Cum Laude with High Honors from Mississippi College, Clinton, MS, Spring 2001
- Psi Chi, National Psychology Honors Fraternity
- President's List Scholar, Mississippi College, 2000-2001
- Dean's List Scholar, Mississippi College, 1998-1999
- Who's Who Among American College and Universities, Mississippi College, Spring 2000
- London Semester Program, Mississippi College, Spring 1999

Teaching Experience

Secondary School Instructor

- *Memorial Comprehensive Secondary school, Mbingo, Cameroon*
Courses:
 - Math, English Literature, and Biology

Adjunct-Faculty Appointments

- *Center for Biblical Studies, Bamenda, Cameroon*
Course:
 - Psychology and Christianity
- *University of Montana, Missoula, MT*
Courses:
 - Fundamentals of Learning, Psychology 260
 - Psychological Statistics, Psychology 220
 - Biological Psychology, Psychology 270
- *University of Montana-College of Technology, Missoula, MT*
Course:
 - Introduction to Psychology, Psychology 100
- *University of Montana, School of Pharmacy, Health Careers Opportunities Program (HCOP), Missoula, MT*
Course:
 - Statistics

Graduate Teaching Assistantships and Instructor Positions

University of Montana, Missoula, MT

Teaching Assistant:

- Psychological Statistics, Psychology 220

Course Instructor:

- Biological Psychology, Psychology 270
- Introduction to Research Methods, Psychology 120
- Introduction to Psychology, Psychology 100

Assistant Professor of Psychology

Seattle Pacific University, Seattle, WA

Courses:

- Learning and Cognition, Psychology 3885
- Lab in Animal Behavior, Psychology 4101
- Introduction to Psychological Statistics, Psychology 2360
- Advanced Statistics Analysis, Psychology 4428
- Research Methods, Psychology 3588
- University Seminar: Finding Our Hidden Wound, USEM 1000

Current Research

The effects of deprivation on choice in humans and rats. Seattle Pacific University, Seattle, WA.

September 1007 – Present

While various areas in biology such as behavioral ecology use energy budgets (i.e., the amount of energy income relative to energy expenditure) to predict behavior, the role of energy budgets have not been considered in most psychological studies. Recent studies in the area of social psychology have indicated the possibility of glucose levels to control shifts in choice bias in humans from impulsive to self-controlled (Gailliot, et al., 2007). Similar observations have been made in nonhuman animals in the area of psychology with other choice experiments involving risk-sensitive choosing but not in the area of self-control (Caraco, 1980). Given this recent finding in humans and the dearth of studies in nonhuman animals, the proposed studies will seek to further examine and compare the effects of energy budget on self-control across species.

Choice in the aggressive display of male Betta splendens. University of Montana, Psychology Dept., Missoula, MT.

February 2003 – Present

Most foraging studies utilize food-type reinforcement and focus on the choice biases of small mammalian and avian species. The goal of this study is to investigate choice behavior using the aggressive display of male Siamese fighting fish, *Betta splendens*. The methodology utilizes a submerged T-maze to investigate the potential choice bias associated with variable and constant delays to reinforcement (i.e., risk-sensitivity) and varying amounts of reinforcement and delay (i.e., self-control). By investigating the choice bias associated with perceived differences in aggressive display, current choice theories, commonly used in avian and mammalian species such as risk-sensitivity, could be generalized to include aquatic species and could be generalized to social-sexual behaviors.

Collaborating Researchers: Allen Szalda-Petree, Ph.D., Chris Collins

Reliability generalization of the 29 item Buss-Perry Aggression questionnaire. Seattle Pacific University, Seattle, WA.

August 2006 – Present

In terms of evaluating the quantitative properties of the Aggression Questionnaire, the majority of studies have focused on item analysis and the factor structure of the Aggression Questionnaire. While such research has led to insights in determining the validity of items on the Aggression Questionnaire and the factor structure of the Aggression Questionnaire, currently, no studies have been conducted to determine the reliability of the Aggression Questionnaire. The purpose of the current study was to conduct a reliability generalization of the Aggression Questionnaire.

Collaborating Researcher: Heide Deditius-Island, Ph.D.

Grants

- 2008-2009 Reconciliation Studies Course Development Grant. Seattle Pacific University \$500 amount funded.
- 2007-2008 Initial and Ongoing Research Grant. School of Psychology, Family, and Community, Seattle Pacific University.
- 2007-2008 Faculty Grant in Vocation and Theology. Lilly SERVE. \$1,500 amount funded.
- 2000 Sigma Xi Local Research Grant. University of Mississippi Medical Center. \$200 amount funded.

Publications

Craft, B. B., Szalda-Petree, A. D., Brenniger, J., & Haddad, N. F. (2007). The effects of discriminative stimuli on choice behavior in male Siamese Fighting Fish (*Betta splendens*). *Perceptual and Motor Skills*, 104, 575-580.

Szalda-Petree, A. D., **Craft, B. B.**, Martin, L. M., & Deditius-Island, H. K. (2004). Self-control in rhesus macaques (*Macaca mulatta*): Controlling for differential stimulus exposure. *Perceptual and Motor Skills*, 98, 141-146.

Craft, B. B., Velkey, A. J. & Szalda-Petree, A. D. (2003). Instrumental conditioning in male Siamese Fighting Fish (*Betta splendens*). *Behavioural Processes*, 63, 171-175.

Manuscripts under Review

Deditius-Island, H. K. & **Craft, B. B.** (under review). Reliability Generalization of the of the 29 item Buss-Perry aggression questionnaire.

Manuscripts in Preparation

Szalda-Petree, A. D., **Craft, B. B.**, Wheeler, A. J., Martin, L. M. & Velkey, A. J. (in preparation). Self-control in *Rattus norvegicus* using a wheel-running response.

Szalda-Petree, A. D., Collins, C. & **Craft, B. B.** (in preparation) Self-control in the Aggressive Display of Male Siamese Fighting Fish: *Betta splendens*

Presentations at Academic Conferences

Deditius-Island, H. K. & **Craft, B. B.** (spring, 2007). Reliability Generalization of the of the 29 item Buss-Perry aggression questionnaire. Poster Presentation, Western Psychological Association. Vancouver, B.C.

Deditius-Island, H. D., Miyasaki, S., **Craft, B. B.**, & Carter, J.R. (spring, 2007). Reliability Generalization of the of the 29 item Buss-Perry aggression questionnaire. Poster Presentation, Oregon Academy of Science Conference. Western Oregon University, Monmouth, OR.

Craft, B. B., Brenniger, J., & Szalda-Petree, A. D. (spring, 2006). Risk-sensitivity in male Siamese Fighting Fish (*Betta splendens*). Poster Presentation, Rocky Mountain Psychological Association.

Craft, B. B., Collins, C., & Szalda-Petree, A. D. (spring, 2006). Self-control in male Siamese Fighting Fish (*Betta splendens*). Poster Presentation, Rocky Mountain Psychological Association.

Craft, B. B., Szalda-Petree, A. D., Benes, J., Porter, G. & Thompson, J. (April 15, 2004). The effects of discriminative stimuli on choice behavior in male Siamese Fighting Fish (*Betta splendens*). Oral Presentation, Rocky Mountain Psychological Association. Reno, Nevada.

Craft, B. B., Szalda-Petree, A. D., Benes, J., Porter, G. & Thompson, J. (April 9, 2004). The effects of discriminative stimuli on choice behavior in male Siamese Fighting Fish (*Betta splendens*). Oral Presentation, College of Arts and Sciences Annual Graduate/Faculty Research Conference. Missoula, Montana.

Ruscitti, C. A., **Craft, B. B.**, & Szalda-Petree, A. D. (April 15, 2004). Confirmatory factor analysis of the 12 item short form of the Buss-Perry aggression questionnaire. Poster Presentation, Rocky Mountain Psychological Association. Reno, Nevada.

Brenniger, J., Wheeler, A. J., **Craft, B. B.** & Szalda-Petree, A. D. (April 15, 2004). Self-control in *Rattus norvegicus* using a wheel-running response. Poster Presentation, Rocky Mountain Psychological Association. Reno, Nevada.

Brenniger, J., Wheeler, A. J., **Craft, B. B.** & Szalda-Petree, A. D. (April 9, 2004). Self-control in *Rattus norvegicus* using a wheel-running response. Poster Presentation, College of Arts and Sciences Annual Graduate/Faculty Research Conference. Missoula, Montana.

Craft, B. B., Crnich, C., Loendorf, H., McGuire, D. & Caruso, J. (May 2, 2003). Confirmatory factor analysis of the Buss-Perry aggression questionnaire. Poster Presentation, Western Psychological Association. Vancouver, Canada.

Island, H., Szalda-Petree, A., **Craft, B.**, Martin, L. & Wheeler, A. (Spring 2002). Are humans risk-sensitive? Oral Presentation, Rocky Mountain Psychological Association, Park City, UT.

Jenkins, M., Barden, J., Mullenax, L., **Craft, B.** & Velkey, A. (Spring 2002). Aggressive encounters are reinforcing for Siamese Fighting fish (*Betta splendens*). Poster Presentation, Mid-Atlantic Regional Conference of Undergraduate Scholarship, Sweet Briar College.

Craft, B., Gray, D., Velkey, A., Glavina, K. & Arnder, C. (Spring 2001). Stimulus color affects the strength of conditioned aggressive behavior in *Betta splendens*. Oral Presentation, Southern Society of Philosophy and Psychology, New Orleans, LA.

Craft, B., (Spring 2001). Instrumental conditioning of choice behavior in male Siamese Fighting fish (*Betta splendens*). Poster Presentation, Southeastern Psychological Association, Atlanta, GA.

Craft, B. (Spring 2001). Classical and instrumental conditioning of aggressive behavior in *Betta splendens*. Oral Presentation, Sigma Xi Grant in Aid of Student Research, Jackson, MS.

Craft, B. (Spring 2001). Instrumental conditioning of choice behavior in male Siamese Fighting fish (*Betta splendens*). Poster Presentation, Student's Forum for Inquiry and Thought, Clinton, MS.

Colloquia

Craft, B. (Fall 2005). The effects of discriminative stimuli on choice behavior in male Siamese Fighting Fish (*Betta splendens*). Presented to the Psychology Department, University of Montana, Missoula, MT.

Craft, B. (Fall 2002). Imitation: A beneficial foraging strategy for Rhesus monkeys (*Macaca mulatto*). Presented to the Psychology Department, University of Montana, Missoula, MT.

Craft, B. (Spring 2002). Classical and instrumental conditioning of aggressive behavior in male Siamese Fighting fish (*Betta splendens*). Presented to the Psychology Department, University of Montana, Missoula, MT.

Thesis and Dissertation

2003-2004 Masters Thesis, Risk-Sensitivity in Male Siamese Fighting Fish (*Betta splendens*). University of Montana, Psychology Dept., Missoula, MT.

2004-2005 Dissertation, The Effects of Delay in the Aggressive Display of Male Siamese Fighting Fish: *Betta splendens*. University of Montana, Psychology Dept., Missoula, MT.

Academic Service

- 2007-Present Director of Undergraduate Research, Seattle, WA.
- 2006-Present Chair of IACUC. Seattle Pacific University, Seattle, WA.
- 2005 College of Arts and Sciences Annual Graduate/Faculty Research Conference Organizing Committee. University of Montana, Missoula, MT.
- 2002-2004 Full Faculty Representative Graduate Student Affiliate, University of Montana, Psychology Dept., Missoula, MT.
- 2002-2003 Experimental Faculty Representative Graduate Student Affiliate, University of Montana, Psychology Dept., Missoula, MT.
- 2002 Chair of the Student Evaluation Committee, University of Montana, Missoula, MT.
- 2000-2001 Treasurer, Psi Chi Honors Society, Mississippi College, Psychology Dept., Clinton MS.

Memberships in Professional Societies

- 2007-Present American Psychological Association
- 2006-Present National Institute for the Teaching of Psychology
- 2002-Present Western Psychological Association
- 2005-Present Sigma Xi

Volunteer Service

- 2006-Present Quest Church and Q-cafe Seattle, WA.
- 2005-Present Volunteer Field Administrator at Belo Rural Development Project (BERUDEP). BERUDEP is a local, faith-based, African, non-profit organization located in Belo, Cameroon. The goal of BERUDEP is to create economic sustainability with the people in the village of Belo and surrounding villages (see www.berudep.org for more details).
- 2002-2005 Campus Ministry Team at 1st Presbyterian Church Missoula, Montana
- 2004-2005 Volunteer at the Missoula Food Bank
- 2002, 2004 Volunteer at the Poverello Center (homeless shelter) Missoula, Montana

2000-2002 Inner-city tutoring program, Civitan International-Mississippi College
Clinton, Mississippi

Special Skills

Computer Skills	Proficient with the following applications: SPSS, Power Point, Excel and Word.
Computer Programming	Proficient with Visual Basic 6.0 and Turbo C++
Animal Care and Use	Experience with humans, rhesus macaques (<i>Macaca mulatta</i>), rats (<i>Rattus norvegicus</i>) and Siamese Fighting fish (<i>Betta splendens</i>)
Laboratory Construction	Experience building and manipulating laboratory equipment (e.g., plexi-glass, metal work, wiring, etc.)