

Benton H. Pierce
Curriculum Vitae
(updated 08/2019)

Associate Professor, Department of Psychology, Counseling, and Special Education,
Texas A&M University-Commerce

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PROFESSIONAL INTERESTS

Human memory, with a focus on the various factors that contribute to the creation of false memories, and the processes and manipulations that can reduce such memory errors. Additional interests include the effects of emotion on memory, metacognition, and the effects of retrieval on long-term retention (i.e., *the testing effect*).

EDUCATION

- Ph.D. Psychology, 2001, Texas A&M University, College Station, TX
Advisor: Steven M. Smith
Dissertation title: Examining the episodic confusion effect in older adults:
The role of source memory
- M.S. Psychology, 1998, Texas A&M University, College Station, TX
- M.B.A. Finance, 1975, Texas A&M University, College Station, TX
- B.A. Physics, 1974, Texas A&M University, College Station, TX

POSTDOCTORAL RESEARCH TRAINING

- 2002-2005 Research fellow, Harvard University, Dept. of Psychology
Advisor: Daniel L. Schacter

ACADEMIC POSITIONS

- 2005-Present Associate Professor, Department of Psychology, Counseling, and Special Education, Texas A&M-Commerce
- 2001 Lecturer, Department of Psychology, Texas A&M University-College Station
- 1997-2001 Graduate Student Lecturer, Department of Psychology, Texas A&M University-College Station

PROFESSIONAL SERVICE

- Reviewer for Mental Health and Behavioral Sciences B (MHBB) grant proposal, U.S. Department of Veterans Affairs, June, 2017, December, 2017, June, 2018
- Ad hoc reviewer for *Cortex*, 2016
- Ad hoc reviewer for *Neuropsychology*, 2011
- Ad hoc reviewer for *Journal of Cognitive Psychology* (2011, 2017)

Ad hoc reviewer for *Cognition and Emotion* (2010, 2012, 2014)
Ad hoc reviewer for *Developmental Psychology* (2009, 2010, 2012)
Ad hoc reviewer for *Emotion* (2009)
Ad hoc reviewer for *Acta Psychologica* (2007, 2008, 2012)
Ad hoc reviewer for *Neuropsychologia* (2008)
Ad hoc reviewer for *Psychonomic Bulletin & Review* (2007, 2008).
Ad hoc reviewer for *Memory* (2007, 2008, 2009, 2011, 2018, 2019).
Ad hoc reviewer for *Experimental Psychology* (2007).
Ad hoc reviewer for *Journal of Memory and Language* (2004, 2012, 2013, 2015).
Ad hoc reviewer for the *Journal of Creative Behavior* (2003).
Ad hoc reviewer for *Memory & Cognition* (1998-1999. 2016, 2017, 2019).
Ad hoc reviewer for the *Journal of Experimental Psychology: Learning, Memory, and Cognition* (2012)
Reviewer for *Activities handbook for the teaching of psychology* (Vol. 4),
L. T. Benjamin, B. F. Nodine, R. M. Ernst, & C. B. Broeker (Eds.).
Washington, DC: American Psychological Association.

Member of Faculty Senate, Texas A&M University-Commerce (2009-Present)

PROFESSIONAL AFFILIATIONS

Association for Psychological Science
The Psychonomic Society

PUBLICATIONS:

Peer-reviewed Journal Articles

- Pierce, B. H., Gallo, D. A., & McCain, J. L. (2017). Reduced interference from memory testing: A post-retrieval monitoring account. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *43*, 1063-1072.
- Pierce, B. H., & Hawthorne, M. J. (2016). Does the testing effect depend on presentation modality? *Journal of Applied Research in Memory and Cognition*, *5*, 52-58.
- Pierce, B. H., & Gallo, D. A. (2011). Encoding Modality Can Affect Memory Accuracy via Retrieval Orientation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *37*, 516-521.
- Pierce, B. H., & Kensinger, E. A. (2011). Effects of emotion on associative recognition: Valence and retention interval matter. *Emotion*, *11*, 139-144.
- Pierce, B. H., & Hawthorne, M. J. (2011). Teaching, advising, and mentoring the non-traditional graduate student. *APS Observer*, *24*, 49-51.

- Pierce, B. H., Waring, J. D., Schacter, D. L., & Budson, A.E. (2008). Effects of distinctive encoding on source-based false recognition: Further examination of recall-to-reject processes in aging and Alzheimer's disease. *Cognitive and Behavioral Neurology*, *21*, 179-186.
- Pierce, B. H., Gallo, D. A., Weiss, J. A., & Schacter, D. L. (2005). The modality effect in false recognition: Evidence for test-based monitoring. *Memory & Cognition*. *33*, 1407-1413.
- Pierce, B. H., Sullivan, A. L., Schacter, D. L., & Budson, A. E. (2005). Comparing source-based and gist-based false recognition in aging and Alzheimer's disease. *Neuropsychology*, *19*, 411-419.
- Pierce, B. H., & Smith, S. M. (2001). The postdiction superiority effect in metacomprehension of text. *Memory & Cognition*, *29*, 62-67.
- Chang, S. H., & Pierce, B. H. (2018). Effects of forming mental images on true and false memories. *American Journal of Psychological Research*, *11*, 16-28.
- Faulkenberry, T. J., & Pierce, B. H. (2011). Mental representations in fraction comparison: Holistic versus component-based strategies. *Experimental Psychology*, *58*, 480-489.
- Hawthorne, M. J., & Pierce, B. H. (2015). Disadvantageous deck selection in the Iowa Gambling Task: The effect of cognitive load. *Europe's Journal of Psychology*, *11*, 335-348.
- McCain, J. L., Hawthorne, M. J., Young-Jones, A., Pierce, B. H., & Smith, T. (2018). First-generation and non-first-generation students: A multi-factor exploration of undergraduate success. *The Journal of College Orientation and Transition*, *25* (2), 15-41.
- Smith, S. M., Gerkens, D. R., Pierce, B. H., & Choi, H. (2002). The roles of implicit associative responses at study and semantically guided recollection at test in false memory: The Kirkpatrick and Deese hypotheses. *Journal of Memory and Language*, *47*, 436-447.
- Smith, S. M., Gleaves, D. H., Pierce, B. H., Williams, T. L., Gilliland, T. R., & Gerkens, D. R. (2003). Eliciting and comparing false and recovered memories: An experimental approach. *Applied Cognitive Psychology*, *17*, 251-279.
- Smith, S. M., Tindell, D. B., Pierce, B. H., Gilliland, T. R., & Gerkens, D. P. (2001). The use of source memory to identify one's own episodic

confusion errors. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 362-374.

Manuscripts in preparation

Pierce, B. H., Hawthorne, M. J., McCain, J. L., & Kensinger, E. A. Effects of emotional valence on explicit and implicit relational memory.

Pierce, B. H., & McCain, J. L. Higher judgments of learning for emotional words: Processing fluency or memory beliefs?

Book Chapters

Pierce, B. H. (1999). An evolutionary perspective on insight. In D. H. Rosen & M. C. Luebbert (Eds.), *Evolution of the psyche* (pp. 106-122). Westport, CT: Praeger.

Pierce, B. H. (1999). Effects of unconscious memory on subjective judgments: A classroom demonstration. In L. T. Benjamin, B. F. Nodine, R. M. Ernst, & C. Blair Broeker (Eds.), *Activities handbook for the teaching of psychology*, Vol. 4, Washington, DC: American Psychological Association.

Pierce, B. H., Simons, J. S., & Schacter, D. L. (2004). Aging and the seven sins of memory. In P. Costa (Ed.), *Advances in cell aging and gerontology*, Vol. 15. (pp. 1-40). Amsterdam: Elsevier.

Book Reviews

Pierce, B. H., & Hawthorne, M. J. (2012). Synthesizing the science of the mind: Cognitive, emotional, and motivational perspectives on psychological phenomena. A Review of *Attention, Representation, and Human Performance: Integration of Cognition, Emotion, and Motivation* (S. Masmoudi, D. Y. Dai, & A. Naceur, Eds.) *PsyCRITIQUES*, Vol. 57(38).

Pierce, B. H., & Hawthorne, M. J. (2010). Memory's maddening but essential side. A Review of *Forgetting* (S. Della Sala, Ed.). *PsyCRITIQUES*, Vol. 55(47).

PRESENTATIONS:

International and National

Pierce, B. H., McCain, J. L., & Hawthorne, M. J. (2016, November). *Higher judgments of learning for emotional words: Processing fluency or memory*

beliefs? Poster presented at the 2016 meeting of the Psychonomic Society, Boston, MA.

- Pierce, B. H., Hawthorne, M. J., McCain, J. L., & Gallo, D. A. (2015, November). *Further evidence that testing enhances retrieval monitoring*. Poster presented at the 2015 meeting of the Psychonomic Society, Chicago, Ill.
- Pierce, B. H., Hawthorne, M. J., Gallo, D. A., & McCain, J. L. (2014, November). *The effect of testing on retrieval monitoring*. Poster presented at the 2014 meeting of the Psychonomic Society, Long Beach, CA.
- Pierce, B. H., Hawthorne, M. J., Gallo, D. A., & Bolson, E. T. (2012, November). *Examining the testing effect across different modalities*. Poster presented at the 2012 meeting of the Psychonomic Society, Minneapolis, MN.
- Pierce, B. H., Krueger, L. E., & Hunt, S. J. (2012, April). *Examining the testing effect in older adults*. Poster presented at the 2012 Cognitive Aging Conference, Atlanta, GA.
- Pierce, B. H., Willhite, T. B., & McMinn, J. E. (2011, November). *The testing effect in narrative and expository text*. Poster presented at the 2011 meeting of the Psychonomic Society, Seattle, WA.
- Pierce, B. H., & Kensinger, E. A. (2010, April). *Age-related differences in associative recognition: Effects of emotional valence and arousal*. Poster presented at the 2010 Cognitive Aging Conference, Atlanta, GA.
- Pierce, B. H., & Kensinger, E. A. (2009, November). *Effects of emotion on associative recognition*. Poster presented at the 2009 meeting of the Psychonomic Society, Boston, MA.
- Pierce, B. H., & Gallo, D. A. (2008, November). *When seeing is better than hearing: Generalizing modality effects across source memory tasks*. Poster presented at the 2008 meeting of the Psychonomic Society, Chicago, Ill.
- Pierce, B. H., & Gallo, D. A. (2007, November). *The modality effect in false recognition: Evidence from the criterial recollection task*. Poster presented at the 2007 meeting of the Psychonomic Society, Long Beach, CA.
- Pierce, B. H., Gallo, D. A., & Schacter, D. L. (2006, April). *Divided monitoring in a false recognition task in younger and older adults*. Poster presented at the 2006 Cognitive Aging Conference, Atlanta, GA.
- Pierce, B. H., Gallo, D. A., & Schacter, D. L. (2005, November). *Differences in false recognition from DRM and categorized lists: Associative activation*

or gist? Poster presented at the 2005 meeting of the Psychonomic Society, Toronto, Ontario, Canada.

- Pierce, B. H., Gallo, D. A., & Schacter, D. L. (2004, November). *Aging effects on source- and gist-based false recognition*. Poster presented at the 2004 meeting of the Psychonomic Society, Minneapolis, MN.
- Pierce, B. H., Gallo, D. A., & Schacter, D. L. (2003, November). *The modality effect in false recognition: Evidence for retrieval-based monitoring*. Poster presented at the 2003 meeting of the Psychonomic Society, Vancouver, B.C., Canada.
- Pierce, B. H., Schacter, D. L., & Budson, A. E. (2004, April). *Comparing source-based and gist-based false recognition in Alzheimer's disease*. Poster presented at the 2004 Cognitive Aging Conference, Atlanta, GA.
- Pierce, B. H., Smith, S. M., & Bartlett, J. C. (2002, April). *Age differences in environmental context-dependent eyewitness recognition*. Poster presented at the 2002 Cognitive Aging Conference, Atlanta, GA.
- Pierce, B. H., Smith, S. M., & Bartlett, J. C. (2000, April). *Reversing age-related increases in tip-of-the-tongue states: The effect of novel stimuli*. Poster presented at the 2000 Cognitive Aging Conference, Atlanta, GA.
- Chang, S. H., & Pierce, B. H. (2008, May). *Imagery instructions help true memory but not false memory*. Poster presented at the 2008 meeting of the Association for Psychological Science, Chicago, Ill.
- Gleaves, D. H., Smith, S. M., Pierce, B. H., & Williams, T. L. (1996, November). *Discriminating false and recovered memories in the laboratory*. Poster presented at the 1996 meeting of the International Society for Traumatic Stress Studies.
- Hawthorne, M. J., & Pierce, B. H. (2010, November). *The Roles of Attention and Working Memory Capacity in Theory of Mind Tasks*. Poster presented at the 2010 meeting of the Psychonomic Society, St. Louis, MO.
- Smith, S. M., Choi, H., Gerken, D. R., Pierce, B. H., & Flesch, M. H. (2001, November). *Clue insensitivity in memory recovery*. Paper presented at the 2001 meeting of the Psychonomic Society, Orlando, FL.
- Smith, S. M., Gerken, D. P., Sifonis, C. M., Wilkenfeld, M. J., Tindell, D. R., & Pierce, B. H. (1999, November). *Category and list structure in primed false recall*. Paper presented at the meeting of the Psychonomic Society, Los Angeles, CA.

- Smith, S. M., Gilliland, T. R., Gerkens, D. P., Pierce, B. H., & Tindell, D. R. (1998, November). *Dissociations of false memory measures*. Paper presented at the meeting of the Psychonomic Society, Dallas, TX.
- Smith, S. M., Tindell, D. R., Gilliland, T. R., Pierce, B. H., Sifonis, C. M., & Wilkenfeld, M. J. (1997, November). *The role of source memory in the recognition of falsely recalled material*. Poster presented at the meeting of the Psychonomic Society, Philadelphia, PA.
- Smith, S. M., Ward, T. B., Sifonis, C. M., Tindell, D. R., Wilkenfeld, M. J., & Pierce, B. H. (1996, November). *Priming and category structure in created memories*. Paper presented at the meeting of the Psychonomic Society, Chicago, IL.
- Wiseman, A. L., Pierce, B. H., & Schacter, D. L. (2003, November). *Suppressing gist- and source-based false recognition with a distinctiveness heuristic*. Poster presented at the 2003 meeting of the Psychonomic Society, Vancouver, B.C., Canada.

Regional Presentations

- Pierce, B. H., McCain, J. L., & Hawthorne, M. J. (2016, October). *Judgments of learning for emotional words: Processing fluency or memory beliefs?* Paper presented at the Southwest Cognition Conference (ARMADILLO), El Paso, TX.
- Pierce, B. H., McCain, J. L., Hass, S. L. N., Parkerson, S. A. M., & Stevens, A. M. (2016, April). *Post-retrieval monitoring and the testing effect: The impact of contextual cues*. Poster presented at the annual meeting of the Southwestern Psychological Association, Dallas, TX.
- Pierce, B. H., McCain, J. L., & Gallo, D. A. (2015, October). *Reduced interference from memory testing: A post-retrieval monitoring account*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Waco, TX.
- Pierce, B. H. (2015, October). *The role of retrieval-monitoring processes in false memory suppression*. Invited talk given to the Center for Vital Longevity, Dallas, TX.
- Pierce, B. H., Hawthorne, M. J., McCain, J. L., & Gallo, D. A. (2014, October). *Examining a retrieval-monitoring account of the testing effect*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Norman, OK.

- Pierce, B. H., McCain, J. L., Hawthorne, M. J., Limoges, E. R., & Gadbery, J. A. (2014, April). *Emotional valence effects on an explicit associative memory task*. Poster presented at the annual meeting of the Southwestern Psychological Association, San Antonio, TX.
- Pierce, B. H., Hawthorne, M. J., & McCain, J. (2013, April). *Valence effects on implicit associative recognition*. Poster presented at the annual meeting of the Southwestern Psychological Association, Fort Worth, TX.
- Pierce, B. H., Hawthorne, M. J., Lutz, M. D. (2013, April). *Examining the testing effect across different modalities*. Poster presented at the annual meeting of the Southwestern Psychological Association, Fort Worth, TX.
- Pierce, B. H. & Stevens, A. R. (2010, October). *False recall from emotional DRM lists: Testing the item-specific processing account*. Paper presented at the Southwest Cognition Conference (ARMADILLO), College Station, TX.
- Pierce, B. H., & Kensinger, E. A. (2009, October). *Effects of emotion on associative recognition: Valence and retention interval matter*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Rice University, Houston, TX.
- Pierce, B. H., & Gallo, D. A. (2008, October). *When seeing is better than hearing: Generalizing modality effects across source memory tasks*. Paper presented at the Southwest Cognition Conference (ARMADILLO), University of Texas at El Paso, El Paso, TX.
- Pierce, B. H., & Gallo, D. A. (2007, October). *The modality effect in false recognition: Evidence from the criterial recollection task*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Trinity University, San Antonio, TX.
- Pierce, B. H. (2003, October). *Comparing source-based and gist-based false recognition in Alzheimer's disease*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Texas A&M University, College Station, TX.
- Pierce, B. H. (2001, October). *Age differences in environmental context-dependent eyewitness recognition*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Southern Methodist University, Dallas, TX.
- Pierce, B. H. (2000, October). *False recollection in older adults: The role of semantic and episodic confusion*. Paper presented at the Southwest Cognition Conference (ARMADILLO), Texas A&M University College Station, TX.

- Pierce, B. H. (1997, May). *The postdiction superiority effect in metacomprehension of text*. Poster presented at the meeting of the Southwest Cognition Conference (ARMADILLO), University of Texas at Dallas, Dallas, TX.
- Pierce, B. H. (1996, September). *An evolutionary perspective on insight*. Paper presented at the Evolution of the Psyche Conference, College Station, Texas.
- Pierce, B. H., Gallo, D. A., & Schacter, D. L. (2006, October). *Divided Retrieval-Monitoring Processes in Younger and Older Adults*. Paper presented at the meeting of the Southwest Cognition Conference (ARMADILLO), Texas Tech University, Lubbock, Texas.
- Hawthorne, M. J., Pierce, B. H., & Clements, N. A. (2014, April). *Attentional networks and Iowa Gambling Task performance*. Poster presented at the annual meeting of the Southwestern Psychological Association, San Antonio, TX.
- Hawthorne, M. J., Maybery, J. L., Galloway, M., & Pierce, B. H. (2013, April). *The Iowa Gambling Task: Are executive functions necessary?* Poster presented at the annual meeting of the Southwestern Psychological Association, Fort Worth, TX.

GRANTS

- Faculty Development Grant, Texas A&M University-Commerce, Provost's Office, \$700 for presenting "The Effects of Emotion on Associative Recognition" (Benton H. Pierce & Elizabeth A. Kensinger, authors) at the annual meeting of the Psychonomic Society in Boston, MA., November, 2009.
- Faculty Development Grant, Texas A&M University-Commerce, Provost's Office, \$435 for Presenting "When Seeing is Better than Hearing: Generalizing Modality Effects Across Source Memory Tasks" (Benton H. Pierce & David A. Gallo, authors) at the annual meeting of the Psychonomic Society in Chicago, Ill., November, 2008.
- Research Presentation Travel Award, Texas A&M University-Commerce, Dean's Office, College of Education and Human Services, \$400, for presenting "Effects of Distinctive Encoding on Source-Based False Recognition: Further Examination of Recall-to-Reject Processes in Aging and Alzheimer's Disease (Benton H. Pierce, Jill D. Waring, Daniel L. Schacter, & Andrew E. Budson, authors) at the 2008 Cognitive Aging Conference, Atlanta, GA., April, 2008.

Faculty Development Grant, Texas A&M University-Commerce, Provost's Office, \$500 for presenting "The Modality Effect in False Recognition: Evidence from the Critical Recollection Task" (Benton H. Pierce & David A. Gallo, authors), at the annual meeting of the Psychonomic Society in Long Beach, CA., November, 2007.

Faculty Mini-Grant, Texas A&M University-Commerce, Office of Graduate Studies and Research, \$600, for project entitled "Examining Monitoring Processes in Reducing Source-based and Gist-based False Memories in Younger, Middle-Aged, and Older Adults", November 2005

RECOGNITION

- Recognized as an Outstanding Faculty Member by Aggie Freshman Club (1998-1999)
- Nominated for Association of Former Students Distinguished Graduate Student Teaching Award – (2000)
- Recognized as a Professor of the Year by Kappa Alpha Psi Fraternity and Delta Sigma Theta Sorority (2016)