

JAMES S. NAIRNE
Curriculum Vitae
2010

Contact Information

Office Address: Department of Psychological Sciences
Purdue University
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Education:

University of California at Berkeley, B.A. 1977 (Psychology)
Yale University, Ph.D. 1981 (Psychology; Major Area: Human Memory)

Professional Experience:

2004- Reece McGee Distinguished Professor of Psychological Sciences
2004-2008 Honors Director for the College of Liberal Arts, Purdue University
1995-2004 Professor of Psychological Sciences, Purdue University
1989-1995 Associate Professor of Psychological Sciences, Purdue University
1987-1989 Associate Professor of Psychology, University of Texas at Arlington
1981-1987 Assistant Professor of Psychology, University of Texas at Arlington
1985 Visiting Assistant Professor of Psychology, University of California at
(Winter & Spring) Los Angeles
1977-1981 Yale University Fellowship

Editorial Activities:

Memory & Cognition:

Editor: 2010-2014
Board: 1984-1996; 2005-2008

Psychonomic Bulletin & Review

Associate Editor: 2002-2007
Board: 2007-present

Journal of Memory and Language

Associate Editor: 1997-2001
Board: 1993-2010

Memory: Consulting Action Editor: 1996-2001

Journal of Experimental Psychology: Learning, Memory, & Cognition: Board: 1995-2000;
2008-2010

Psychological Science: Board: 2007-present

Sage Publications: Senior Consulting Editor, 2004-2008

Awards and Organizations

Visiting Fellow, British Psychological Society (2003)
Book of Great Teachers, Purdue University (2003)
Outstanding Undergraduate Teaching Award in Memory of Charles B. Murphy (2001)
School of Liberal Arts Award for Teaching Excellence (2000)
Fellow, Purdue Teaching Academy (2001)
Alpha Lambda Delta
G. Stanley Hall (2000)
Psychonomic Society
American Psychological Society

Grant Support

Nairne, J. S. (Principal Investigator). *Functional determinants of memory*. National Science Foundation [BCS-0843165], Award duration: 2009-2012, Total Costs: \$392,283.

Publications in Refereed Journals:

- Nairne, J. S., & Rescorla, R. A. (1981). Second-order conditioning in the pigeon with diffuse auditory reinforcers. *Learning and Motivation, 12*, 65-91.
- Nairne, J. S., & Crowder, R. G. (1982). On the locus of the stimulus suffix effect. *Memory & Cognition, 10*, 350-357.
- Nairne, J. S. (1983). Associative processing during rote rehearsal. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 9*, 3-20.
- Nairne, J. S., & Healy, A. F. (1983). Counting backwards produces systematic errors. *Journal of Experimental Psychology: General, 112*, 37-40.
- Nairne, J. S., & Walters, V. L. (1983). Silent mouthing produces modality-and suffix-like effects. *Journal of Verbal Learning and Verbal Behavior, 22*, 475-483.
- Nairne, J. S., & Puse, C. (1984). Serial recall of imagined voices. *Journal of Verbal Learning and Verbal Behavior, 23*, 331-342.
- Nairne, J. S., & McNabb, W. L. (1985). More modality effects in the absence of sound. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 11*, 596-604.
- Nairne, J. S., Puse, C., & Widner, R. L., Jr. (1985). Representation in the mental lexicon: Implications for theories of the generation effect. *Memory & Cognition, 13*, 183-191.

- Healy, A. F., & Nairne, J. S. (1985). Short-term memory processes in counting. *Cognitive Psychology, 17*, 417-444.
- Nairne, J. S. (1986). Active and passive processing during primary rehearsal. *American Journal of Psychology, 99*, 301-314.
- Nairne, J. S., & Widner, R. L., Jr. (1987). Generation effects with nonwords: The role of test appropriateness. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 13*, 164-171.
- Nairne, J. S. (1988). The mnemonic value of perceptual identification. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 14*, 248-255.
- Nairne, J. S. (1988). A framework for interpreting recency effects in immediate serial recall. *Memory & Cognition, 16*, 343-352.
- Nairne, J. S., & Widner, R. L., Jr. (1988). Familiarity and lexicality as determinants of the generation effect. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 14*, 694-699.
- Nairne, J. S. (1990). A feature model of immediate memory. *Memory & Cognition, 18*, 251-269.
- Nairne, J. S. (1990). Similarity and long-term memory for order. *Journal of Memory and Language, 29*, 733-746.
- Nairne, J. S., Riegler, G. L., & Serra, M. (1991). Dissociative effects of generation on item and order retention. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 17*, 702-709.
- Nairne, J. S. (1991). Positional uncertainty in long-term memory. *Memory & Cognition, 19*, 332-340.
- Melara, R. D., & Nairne, J. S. (1991). On the nature of interactions between the past and the present. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 17*, 1124-1135.
- Nairne, J. S. (1992). The loss of positional certainty in long-term memory. *Psychological Science, 3*, 199-202.
- Nairne, J. S., & Dutta, A. (1992). Spatial and temporal uncertainty in long-term memory. *Journal of Memory and Language, 31*, 396-407.
- Nairne, J. S., & Neumann, C. (1993). Enhancing effects of similarity on long-term memory for order. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 19*, 329-337.
- Serra, M., & Nairne, J. S. (1993). Design controversies and the generation effect: Support for an item-order hypothesis. *Memory & Cognition, 21*, 34-40.

- Dutta, A., & Nairne, J. S. (1993). The separability of space and time: Dimensional interaction in the memory trace. *Memory & Cognition*, 21, 440-448.
- Nairne, J. S., & Neath, I. (1994). A critique of the retrieval/deblurring assumptions of TODAM. *Psychological Review*, 101, 528-533.
- Whiteman, H. L., Nairne, J. S., & Serra, M. (1994). Recognition and recall-like processes in the long-term reconstruction of order. *Memory*, 2, 275-294.
- Nairne, J. S., Whiteman, H. L., & Woessner, L. (1995). Symmetrical cuing effects for item and position information. *American Journal of Psychology*, 108, 345-358.
- Neath, I., & Nairne, J. S. (1995). Word length effects in immediate memory: Overwriting trace decay theory. *Psychonomic Bulletin & Review*, 2, 429-441.
- Nairne, J. S., Neath, I., & Serra, M. (1997). Proactive interference plays a role in the word length effect. *Psychonomic Bulletin & Review*, 4, 541-545.
- Nairne, J. S., Neath, I., Serra, M., & Byun, E. (1997). Positional distinctiveness and the ratio rule in free recall. *Journal of Memory and Language*, 37, 155-166.
- Nairne, J. S., & Kelley, M. R. (1999). Reversing the phonological similarity effect. *Memory & Cognition*, 27, 45-53
- Nairne, J. S., Whiteman, H. L., & Kelley, M. R. (1999). Short-term forgetting of order under conditions of reduced interference. *Quarterly Journal of Experimental Psychology*, 52A, 241-251.
- Serra, M., & Nairne, J. S. (2000). Part-set cuing of order information: Implications for associative theories of serial order memory. *Memory & Cognition*, 28, 847-855.
- Kelley, M. R., & Nairne, J. S. (2001). von Restorff revisited: Isolation, generation, and memory for order. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 27, 54-66.
- Reysen, M. B., & Nairne, J. S. (2002). Part-set cuing of false memories. *Psychonomic Bulletin & Review*, 9, 389-393.
- Nairne, J. S. (2002). The myth of the encoding-retrieval match. *Memory*, 10, 389-395.
- Kelley, M. R., & Nairne, J. S. (2003). Remembering the forgotten: Reminiscence, hypermnnesia, and memory for order. *Quarterly Journal of Experimental Psychology*, 56A, 577-600.
- Nairne, J. S., & Kelley, M. R. (2004). Separating item and order information through process dissociation. *Journal of Memory and Language*, 50, 113-133.
- Nairne, J. S., Ceo, D. A., & Reysen, M. B. (2007). The mnemonic effects of recall on immediate retention. *Memory & Cognition*, 35, 191-199.

- Nairne, J. S., Thompson, S.R., & Pandeirada, J. N. S. (2007). Adaptive memory: Survival processing enhances retention. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 33, 263-273.
- Nairne, J. S., Pandeirada, J. N. S., & Thompson, S. R. (2008). Adaptive memory: The comparative value of survival processing. *Psychological Science*, 19, 176-180.
- Nairne, J. S., & Pandeirada, J. N. S. (2008). Adaptive memory: Remembering with a stone-age brain. *Current Directions in Psychological Science*, 17, 239-243.
- Nairne, J.S., & Pandeirada, J.N.S. (2008). Adaptive memory: Is survival processing special? *Journal of Memory and Language*, 59, 377-385.
- Nairne, J.S., Pandeirada, J.N.S., Gregory, K.J., & Van Arsdall, J.E. (2009) Adaptive memory: Fitness-relevance and the hunter-gatherer mind. *Psychological Science*, 20, 740-746.
- Nairne, J. S., & Pandeirada, J. N. S. (2010). Adaptive memory: Ancestral priorities and the mnemonic value of survival processing. *Cognitive Psychology*, 61, 1-22.
- Nairne, J. S., & Pandeirada, J. N. S. (2010). Adaptive memory: Nature's criterion and the functionalist agenda. *American Journal of Psychology*, in press.
- Nairne, J. S., & Pandeirada, J. N. S. (2010). Congruity effects in the survival processing paradigm. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, in press.

Books and Book Chapters:

- Nairne, J. S. (1996). Short-term/working memory. In E. L. Bjork & R. A. Bjork (Eds.), *Memory* (Vol. 10, pp. 101-126). New York: Academic Press.
- Nairne, J. S. (1997). *Psychology: The adaptive mind*. Pacific Grove, CA: Brooks/Cole.
- Nairne, J. S. (1999). The function of behavior. In B. Perlman, L. McCann, & S. H. McFadden (Eds.), *Lessons learned: Practical advice for the teaching of psychology*. Washington, DC: APA.
- Nairne, J. S. (2000). *Psychology: The adaptive mind* (2nd ed.). Belmont, CA: Wadsworth.
- Nairne, J. S. (2000). Forgetting. In A. E. Kazdin (Ed.), *Encyclopedia of psychology* (Vol. 3, pp 386-389). Washington, DC: APA Publishing.
- H. L. Roediger, J. S. Nairne, I. Neath, & A. Surprenant (Eds.). (2001). *The nature of remembering: Essays in honor of Robert G. Crowder*. Washington, DC: APA
- Nairne, J. S. (2001). A functional analysis of primary memory. In H. L. Roediger, J. S. Nairne, I. Neath, & A. Surprenant (Eds.), *The nature of remembering: Essays in honor of Robert G. Crowder* (pp. 283-296). Washington, DC: APA.

- Nairne, J. S., Smith, M. S., & Lindsay, D. S. (2001). *Psychology: The adaptive mind* (Canadian Edition). Scarborough, Ontario: Nelson Thompson Learning.
- Nairne, J. S. (2002). Remembering over the short-term: The case against the standard model. *Annual Review of Psychology*, 53, 53-81.
- Nairne, J. S. (2003). Sensory and working memory. In A. F. Healy & R. W. Proctor (Eds.), *Comprehensive handbook of psychology* (Vol. 4: Experimental Psychology). New York: Wiley.
- Nairne, J. S. (2003). *Psychology: The adaptive mind* (3rd ed.). Belmont, CA: Wadsworth.
- Nairne, J.S., Lindsay, D.S., Paulhus, D. L., & Smith, M. S. (2004). *Psychology: The adaptive mind* (2nd Canadian Edition). Scarborough, Ontario: Nelson Thompson Learning.
- Nairne, J. S. (2005). The functionalist agenda in memory research. In A. F. Healy (Ed.), *Experimental cognitive psychology and its applications: Festschrift in honor of Lyle Bourne, Walter Kintsch, and Thomas Landauer*. Washington, DC: American Psychological Association.
- Nairne, J. S. (2006). Modeling distinctiveness: Implications for general memory theory. In R. R. Hunt & J. Worthen (Eds.), *Distinctiveness and memory* (pp 27-46). New York: Oxford University Press.
- Nairne, J. S. (2006) *Psychology: The adaptive mind* (4th ed.). Belmont, CA: Wadsworth.
- Nairne, J. S.(Ed.). (2007). *The foundations of remembering: Essays in honor of Henry L. Roediger, III*. New York: Psychology Press.
- Nairne, J. S. (2007). Roddy Roediger's memory. In J. S. Nairne (Ed.) *The foundations of remembering: Essays in honor of Henry L. Roediger, III* (pp. 1-18). New York: Psychology Press.
- Nairne, J. S., & Pandeirada, J. N. S. (2008). Forgetting. In H. L. Roediger, III. (Ed.), *Cognitive Psychology of Memory. Vol. 2 of Learning and Memory: A Comprehensive Reference*, 4 vols. (J. Byrne Editor) (pp. 179-194). Oxford: Elsevier.
- Nairne, J. S. (2009). *Psychology, Fifth Edition*. Belmont, CA: Thomson/Wadsworth.
- Nairne, J. S., & Pandeirada, J.N.S. (2010). Memory functions. In I. Weiner & E. Craighead (Eds.), *Corsini's encyclopedia of psychology* (4th edition; pp 977-979). New York: Wiley.
- Nairne, J. S. (2010). Adaptive memory: Evolutionary constraints on remembering. In B. H. Ross (Ed). *The psychology of learning and motivation*, 53, 1-32.

Reviews and Commentary

- Nairne, J. S. (1986). Human learning and more. *Contemporary Psychology*, 31, 142.

- Nairne, J. S. (1987). Statistical overload. *Contemporary Psychology*, 32, 668.
- Nairne, J. S., & Jackson, R. L.. (1988). History: Up close and personal. *Contemporary Psychology*, 33, 419-420.
- Nairne, J. S. (1990). More advances in learning theory and research. *Contemporary Psychology*, 35, 961-962.
- Nairne, J. S. (1997). The function of behavior. *APS Observer*, 10, 26-27.
- Nairne, J. S. (1998). Model behavior. *American Scientist*, May-June, 297.
- Nairne, J. S. (1998). Review of D. L. Schacter (Ed.), *Memory distortion: How minds, brains and societies reconstruct the past*. *Journal of Chemical Neuroanatomy*.
- Nairne, J. S. (2001). Your memory: Up close and personal. *Contemporary Psychology*, 46, 279-280.
- Nairne, J. S., & Neath, I. (2001). Long-term memory span. *Behavioral and Brain Sciences*, 24, 134-135.
- Nairne, J. S. (2002). Celebrating memory and its diversity. *Contemporary Psychology*, 47, 65-66.

Convention Papers:

- Nairne, J. S., & Walters, V. L. (1982, November). *Silent mouthing produces modality- and suffix-like effects*. Paper presented at the 23rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Nairne, J. S., & Healy, A. F. (1982, April). *Counting backwards produces systematic errors: Short-term memory processes in counting*. Paper presented at Rocky Mountain Psychological Society Annual Meeting, Salt Lake City, UT.
- Healy, A. F., & Nairne, J. S. (1984, November). *Short-term memory processes in counting*. Paper presented at the 25th Annual Meeting of the Psychonomic Society, San Antonio, TX.
- Nairne, J. S. (1988, November). *Modeling modality-based recency and grouping effects in immediate serial recall*. Paper presented at the 29th Annual Meeting of the Psychonomic Society, Chicago, IL.
- Amir, N., & Nairne, J. S. (1989). *A connectionist model of immediate memory*. Paper presented at Southwestern Psychological Association Annual Meeting.
- Riegler, G. L., McDaniel, M. A., Nairne, J. S., & Widner, R. L.. (1990, May). *Task difficulty, list design, and the generation effect*. Paper presented at the Midwestern Psychological Association Annual Meeting, Chicago, IL.

- Nairne, J. S., & Melara, R. D. (1990, November). *Crosstalk between memory and perception*. Paper presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Nairne, J. S. (1991, May). *Dimensional uncertainty in long-term memory*. Invited paper at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Nairne, J. S., Riegler, G. L., & Serra, M. (1991, May). *Dissociative effects of generation on item and order information*. Paper presented at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Serra, M., & Nairne, J. S. (1992, May). *Design controversies and the generation effect: Support for an item-order hypothesis*. Paper presented at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Nairne, J. S., & Serra, M. (1992, November). *The associative basis of serial order memory*. Paper presented at the 33rd Annual Meeting of the Psychonomic Society, St. Louis, MO.
- Nairne, J. S., Serra, M., & Neath, I. (1993, May). *Positional distinctiveness and the ratio rule in free recall*. Paper presented at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Nairne, J. S. (1994, May). *The interpretive tools of short-term forgetting*. Invited symposium paper presented at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Whiteman, H. L., & Nairne, J. S. (1995, May). *Interference effects in immediate memory*. Paper presented at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- DeLosh, E. L., & Nairne, J. S. (1996, May). *Similarity or discriminability: An evaluation of the fundamental assumptions of the encoding specificity principle*. Paper presented at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Nairne, J. S. (1996, April). *The value of short-term memory*. Invited symposium paper at Rocky Mountain Psychological Association Annual Meeting, Salt Lake City, UT.
- Nairne, J. S., & Kelley, M. R. (1997, November). *Reversing the phonological similarity effect*. Paper presented at the 38th Annual Meeting of the Psychonomic Society, Philadelphia, PA.
- Nairne, J. S. (1998, June). *Re-thinking the short-term memory concept*. Invited address at the Quebec 98 Conference on Short-term Memory, Montreal, Quebec, Canada.
- Nairne, J. S. (1998, November). *Remembering and knowing order information*. Paper presented at the 39th Annual Meeting of the Psychonomic Society, Dallas, TX.
- Nairne, J. S. (1999, June). *A functional analysis of primary memory*. Paper presented at the Festschrift honoring Robert G. Crowder. Yale University, New Haven, CT.

- Kelley, M. R., & Nairne, J. S. (1999, November). *von Restorff revisited: Isolation, generation, and memory for order*. Paper presented at the 40th Annual Meeting of the Psychonomic Society, Los Angeles, CA.
- Nairne, J. S., & Kelley, M. R. (2001, November). *Separating item and order information through process dissociation*. Paper presented at the 42nd Annual Meeting of the Psychonomic Society, Orlando, FL.
- Nairne, J. S. (2002, April). *The myth of the encoding-retrieval match*. Invited symposium paper at Rocky Mountain Psychological Association Annual Meeting, Salt Lake City, UT.
- Nairne, J.S. (2003, September). *The architecture of immediate retention: A multinomial model*. Keynote address at the British Psychological Society, Reading, England.
- Nairne, J. S. (2004, November). *Rethinking output interference*. Paper presented at 45th annual meeting of the Psychonomic Society, November, Minneapolis
- Nairne, J. S. (2005, May). Invited discussant at Midwestern Psychological Association Annual Meeting, Chicago, IL.
- Nairne, J. S., & Thompson, S. R. (2006, November). Adaptive memory : An evolutionary approach. Paper presented at the 47th Annual Meeting of the Psychonomic Society, Houston, TX.
- Nairne, J.S., Pandeirada, J., & Thompson, S. (July, 2007). Adaptive memory: The comparative value of survival processing. Joint Meeting of the Psychonomic Society and the Experimental Psychology Society (UK). Edinburgh, UK.
- Nairne, J.S., & Pandeirada, J. (November, 2007). Adaptive memory: Is survival processing special? 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Ceo, D., & Nairne, J.S. (November, 2007). Adaptive memory: Does survival value matter? 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Nairne, J.S., & Pandeirada, J. (November, 2008). Adaptive memory: Fitness-relevance and the hunter-gatherer mind. 49th Annual Meeting of the Psychonomic Society.
- Nairne, J.S. (March, 2009). *Adaptive memory: Remembering with a stone-age brain*. Keynote speaker at the North Carolina Cognition Group, Duke University.
- Nairne, J.S., & Pandeirada, J.N.S. (November, 2009). Adaptive memory: Ancestral priorities and the power of survival processing. Paper delivered at the 50th annual meeting of the Psychonomic Society, Boston, MA.

Invited Talks at National/Regional Teaching Conferences

- Nairne, J. S. (1997). *How to teach memory using the adaptive problem-solving perspective: Lessons for introductory psychology*. National Institute on the Teaching of Psychology, St. Petersburg, FL.

- Nairne, J. S. (1997). *Bringing relevance into the classroom: The adaptive problem-solving perspective*. Midwest Institute for Teachers of Psychology, Glen Ellyn, IL.
- Nairne, J. S. (1998). *Recent advances in memory research*. Middle Tennessee Psychological Association, Nashville, TN.
- Nairne, J. S. (2000). *Adaptive problem-solving: A framework to improve relevance and retention in the classroom*. National Institute on the Teaching of Psychology, St. Petersburg, FL.
- Nairne, J. S. (2000). *Teaching myths about memory*. G. Stanley Hall Address at the American Psychological Association Annual Convention, Washington, D.C.
- Nairne, J. S. (2000). *The "myths" of memory*. Keynote Address at the South Carolina Psychological Association: Academic Day, Columbia, SC.
- Nairne, J. S. (2001). *The "myths" of memory*. Keynote Speaker at the Western Pennsylvania Undergraduate Research Conference. Erie, PA.
- Nairne, J. S. (2001). *The "myths" of memory*. Keynote Address at the "Mindscape" Undergraduate Research Conference. Heidelberg College, Tiffin, OH.
- Nairne, J. S. (2001). *Adaptive problem solving*. Invited Speaker. Riverdale Community Colleges, New Jersey.
- Nairne, J. S. (2001). *Teaching myths about memory*. Invited Address at the Western Psychological Association Annual convention, Maui, HI.
- Nairne, J. S. (2003). *Myths about memory*. Keynote Address at the Texas Community College Teacher's Association. Austin, TX.
- Nairne, J.S. (2003). *Teaching myths about memory*. Invited Speaker at the National Institute of the Teaching of Psychology, St. Petersburg, FL.
- Nairne, J. S. (2005). *Teaching from a functionalist perspective: Memory, perception, and the myth of the encoding-retrieval match*. Keynote Speaker at the 19th Annual Conference on Undergraduate Psychology, Monticello, NY.
- Nairne, J.S. (2005). *Teaching from a functionalist perspective: Memory, perception, and the myth of the encoding-retrieval match*. Invited Speaker at the 12th Annual Midwest Institute for Students and Teachers of Psychology, Glen Ellyn, IL.
- Nairne, J.S. (2005, October). *Adaptive problem-solving: A functional approach to teaching*. Keynote Speaker at the Mountain States Conference on the Teaching of Psychology, Albuquerque, NM.
- Nairne, J. S. (September, 2008) *Functional determinants of memory: Implications for the Classroom*. ONTOP Keynote Address, Oklahoma City, OK.
- Nairne, J.S. (September, 2009). *Thinking functionally: Implications for the classroom*. Keynote speaker at the Mountain States Conference on the Teaching of Psychology, Colorado Springs, CO.

