

## CURRICULUM VITAE

Charles J. Brainerd

### OFFICE ADDRESS

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### DEGREES

Michigan State University B.S. (Psychology)  
Michigan State University M.A. (Psychology)  
Michigan State University Ph.D. (Experimental and Developmental Psychology)

### ACADEMIC APPOINTMENTS

1970-1971	Assistant Professor, University of Windsor
1971-1973	Assistant Professor, University of Alberta
1973-1976	Associate Professor, University of Alberta
1980-1981	Visiting Professor, University of Minnesota
1976-1983	Professor, University of Western Ontario
1983-1986	Henry Marshall Tory Professor and Director, Center for Research in Child Development, University of Alberta
1986-1987	Visiting Professor, Southern Methodist University
1987-2004	Professor, University of Arizona
2004-2005	Professor, University of Texas
2005-	Professor, Cornell University
2006-	Honorary Professor, University of Kent, United Kingdom
2009-	Honorary Professor, University of Leicester, United Kingdom
2014-	Visiting Professor, City University London, United Kingdom
2014-	Visiting Professor, University College London
2014-	Research Professor, University of North Florida

## **ADMINISTRATIVE POSITIONS**

1984-1986	Director, Center for Research in Child Development, University of Alberta
1997- 2004	Director, Division of Learning, Technology, and Assessment, University of Arizona
2001-2003	Director, Informatics and Decision-Making Laboratory, College of Medicine, University of Arizona
2006-	Director, Law, Psychology, and Human Development Program, Cornell University
2008-	Director, PhD/JD Program, Cornell University
2011-2017	Chair, Department of Human Development, Cornell University

## **GENERAL AREAS OF RESEARCH**

Cognitive Development  
Cognitive Neuroscience  
Memory and Forgetting  
Judgment and Decision Making  
Mathematical Psychology  
Psychology and Law

## **RECENT RESEARCH GRANTS**

“Developmental Reversals in Children’s False Memories for Experienced Events.” Marsden Fund.	\$720,000
“Development of a New Analytical Tool for Early Detection of Mild Cognitive Impairment and Alzheimer’s Dementia”, NIFA	\$40,000
“Low-Burden Tools for Improving Prediction and Diagnosis of Cognitive Impairment,” National Institutes of Health.	\$764,069
“Interventions for risk reduction and avoidance in youth,” National Institutes of Health.	\$2,250,000
"Children's Spontaneous False Memories for Traumatic Medical Experiences," National Science Foundation.	\$251,623
“Processes that Control Children’s False Memory Reports: Recollection Rejection and Phantom	

Recollection,” National Science Foundation.

\$300,000

## **AWARDS AND HONORS**

Board of Governors, Arizona Educational Research Association  
Distinguished Fellow, Sage Center for the Study of the Mind, Santa Barbara, CA  
FABBS Foundation Gallery of Scientists  
Fellow, Division of Developmental Psychology, American Psychological Association  
Fellow, Division of Educational Psychology, American Psychological Association  
Fellow, Division of Experimental Psychology, American Psychological Association  
Fellow, Division of General Psychology, American Psychological Association  
Fellow, Association of Psychological Scientists  
Fellow, Experimental Division, Canadian Psychological Association  
Fellow, Psychonomic Society  
Fellow, Society of Experimental Psychologists  
G. Stanley Hall Award for Distinguished Contribution to Developmental Psychology,  
American Psychological Association  
Governor of Arizona's Spirit of Excellence Recognition Award for Achievements in  
Higher Education  
Judge Advocate General's Trial Defense Services Medal, United States Army  
National Academy of Education  
President, Developmental Psychology Division, Canadian Psychological Association  
SUNY Chancellor's Award for Scholarship and Creative Activity  
William James Distinguished Lecturer, Association for Psychological Science

## **LEARNED SOCIETIES**

American Association for the Advancement of Science  
American Psychological Association:  
American Psychology and Law Society  
Division of Developmental Psychology  
Division of Experimental Psychology  
Division of Educational Psychology  
Division of General Psychology  
Division of Theoretical and Philosophical Psychology  
Association for Psychological Science  
Psychonomic Society  
Rocky Mountain Psychological Association  
Society for Research in Child Development

## **EDITORSHIPS**

Editor, *Developmental Review*  
Past Editor, *Advances in Cognitive Development Research*  
Past Editor, *Springer-Verlag Series in Cognitive Development*  
Past Associate Editor, *Behavioral and Brain Sciences*  
Past Associate Editor, *Child Development*

## **OTHER SCIENTIFIC EDITING**

Guest Editor, *Developmental Review*, special issue on mathematical models of development  
Guest Editor, *Developmental Review*, special issue on resource theories of cognitive development  
Guest Editor, *Psychological Science*, Piaget centennial issue  
Guest Editor, *Learning and Individual Differences*, Children's False Memories. I.  
Guest Editor, *Learning and Individual Differences*, Children's False Memories. II.  
Editorial Board Memberships: *Journal of Experimental Psychology: Learning, Memory, and Cognition*  
Past Editorial Board Memberships, *American Journal of Mental Deficiency; Behavioral and Brain Sciences; Contemporary Educational Psychology; Developmental Psychology (1970s); Journal of Behavioral Decision Making, Journal of Child Psychology and Psychiatry; Monographs of the Society for Research in Child Development*

## **RECENT SERVICE ACTIVITIES**

Board of Scientific Advisors, Cornell Institute for Research on Children (a National Science Foundation research center)  
Bronfenbrenner Award Committee, American Psychological Association  
Committee on Memory and Law, British Psychological Society  
College of Reviewers, Canada Council Research Chairs Program  
Consultant on false memory research and the law, Supreme Court of Arizona  
Consultant on child investigative interviewing, Arizona Department of Economic Security  
Consultant on Educational Technology, Assessment Technology, Inc.  
Executive Committee, Division of Educational Psychology, American Psychological Association  
Early Career Award Committee, Division of Educational Psychology, American Psychological Association  
Lucent Technologies/University of Arizona Alliance  
Faculty, Trial Practice Section, Arizona Bar Association  
Faculty, Trial Practice Section, Pima County Bar Association  
National Institutes of Health, BPD4 Study Section  
National Institutes of Health, NHLBI Study Section

Program Committee, American Psychological Society  
Scientists for the Accurate Communication of Data  
Supervisory Committee, Child and Family Law Clinic, University of Arizona College of  
Law  
United States Army, Instructor, Trial Defense Services, Division of the Judge Advocate  
General  
Working Party on Memory and the Law, British Psychological Association

**FORENSIC CASE WORK (\*\*qualified by the Court as an expert witness)**

*Amirault v. State of Massachusetts*  
*Barnard v. Sedwick*  
*Cameron v. Krauter*  
*Casey v. La Petite Academy et al.*  
*Catalina Council v. Hunter*  
*Consentino v Terrible Herbst*  
*Coons v. Chamberlain et al.*  
*Doe v. Catholic Diocese of Tucson*  
*\*\*Dosh v. Block*  
*Ford v. Catholic Diocese of Boston*  
*Donnie Frei v. Catholic Diocese of Tucson*  
*John Doe, James Doe, and Joseph Doe v. Catholic Archbishop of Seattle, Catholic  
Bishop of Spokane, and Patrick O'Donnell*  
*Kobenan v. Amalgamated Bank*  
*\*\*Mead v. Marsh*  
*Michaels v. State of New Jersey*  
*Mitchell v. House of Hope*  
*Mother No. 1 and Father No. 1 on behalf of Child No. 1 v. Anchorage School District*  
*Norrell v. Crested Butte Mountain Resort*  
*\*\*Porter v. Family Alternatives*  
*Senick v. La Petite Academy et al.*  
*Smith v. State of Illinois*  
*\*\*State of Arizona v. Robert Aceves*  
*State of Arizona v. Jose Ahumada*  
*State of Arizona v. Arturo Berrellez*  
*State of Arizona v. Jose Cruz*  
*State of Arizona v. Jason Dean*  
*\*\*State of Arizona v. Jose Dicochea*  
*State of Arizona v. Eduardo Domingez*  
*State of Arizona v. Felix*  
*\*\*State of Arizona v. Gastellum*  
*State of Arizona v. Gomez*  
*State of Arizona v. Godinez*  
*State of Arizona v. Jose Grande*  
*State of Arizona v. Lemon*

*\*\*State of Arizona v. Light*  
*State of Arizona v. Lopez*  
*State of Arizona v. Lynch*  
*\*\*State of Arizona v. Marietta*  
*\*\*State of Arizona v. Mejia1*  
*State of Arizona v. Mejia2*  
*State of Arizona v. Nordstrom*  
*State of Arizona v. Pacheco-Beltran*  
*State of Arizona v. Porzel*  
*State of Arizona v. Pritchard*  
*\*\*State of Arizona v. Ramsey1*  
*\*\*State of Arizona v. Ramsey2*  
*State of Arizona v. Rodriguez*  
*\*\*State of Arizona v. Roman*  
*\*\*State of Arizona v. Sagarnaga*  
*State of Arizona v. Sagasta*  
*State of Arizona v. Speers*  
*State of Arizona v. Sanchez*  
*State of Arizona v. Sweeney*  
*State of Arizona v. Tucker*  
*State of Arizona v. Vickroy*  
*\*\*State of Arizona v. Williams*  
*State of California v. Benson*  
*\*\*State of California v. Henderson*  
*\*\*State of California v. Kosher*  
*State of California v. Silapie*  
*State of Connecticut v. Hardy*  
*State of Connecticut v. Taylor*  
*\*\*State of Illinois v. Cardamone*  
*\*\*State of Illinois v. DeBord*  
*State of Illinois v. Otoniel Frutis*  
*State of Illinois v. R.W., a minor*  
*State of Illinois v. Vasilikos*  
*State of Illinois v. Wilson*  
*State of Illinois v. Ybarra*  
*\*\*State of Kentucky v. Daryl Parker*  
*State of Maryland v. Morales*  
*\*\*State of Missouri v. Connolly*  
*State of Missouri v. Griffith*  
*State of Missouri v. Nowak*  
*\*\*State of Missouri v. Scott*  
*State of Missouri v. Sarowski*  
*State of Missouri v. Thomas*  
*State of Missouri v. Stelbrink*  
*\*\*State of New Jersey v. Gil*  
*State of New Jersey v. Olenowski*

*State of New Jersey v. R.D.*  
\*\**State of New Jersey v. Tantillo*  
\*\**State of New York V. Bubis*  
*State of New York v. Casey*  
*State of New York v. Cortez*  
*State of New York v. Green*  
*State of New York v. Tantillo*  
*State of New York v. Treacy*  
\*\**State of Ohio v. Lewis Sayre*  
*State of Pennsylvania v. Davis*  
\*\* *State of Pennsylvania v. Kohl*  
\*\**State of South Carolina v. Simpson*  
*State of South Carolina v. Porch*  
*State of Texas v. Norris*  
*State of Texas v. Gonzalez*  
\*\**State of Utah v. Julian*  
\*\**State of Washington v. Highberg*  
\*\**State of Washington v. Mou*  
\*\**State of Wisconsin v. Eimerman*  
*State of Wisconsin v. Wangard*  
*United States v. Cornwell*  
*United States v. Fulks*  
*United States v. Gurley*  
*United States v. Raush*  
*United States v. Rolan*  
\*\**United States v. Waldo*  
*United States v. Williams*  
*Vasaturo v. Vasaturo*  
\*\**Watson v. Phoenix Diocese*

## **PUBLICATIONS**

### *Journal Articles and Chapters*

Brainerd, C. J., Chang, M., & Bialer, D. M. (in press). Fuzzy-trace theory and false memory: Meta-analysis of conjoint recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Brainerd, C. J. (in press). Deep memory distortions. *Cognitive Psychology*.

Brainerd, C. J., Chang, M., & Bialer, D. M. (in press). Emotional ambiguity and memory. *Journal of Experimental Psychology: General*.

- Chang, M., & Brainerd, C. J. (in press). Factor analyses of the ADNI neuropsychological battery: Developmental and diagnostic invariance. *Neuropsychology*.
- Chang, M., & Brainerd, C. J. (in press). Semantic and phonological false memory: A review of theory and data. *Journal of Memory and Language*.
- Reyna, V. F., Brainerd, C. J., Chen, Z., & Bookbinder, S. H. (in press). Explaining risky choices with judgments: Framing, the zero effect, and the contextual relativity of gist. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Brainerd, C. J. (2020). Deep distortion. *Memory*, November.
- Brainerd, C. J., Bailer, D. M., & Chang, M. (2020). Norming retrieval processes. *Journal of Memory and Language*, 115, Article No. 104143.
- Brainerd, C. J., Chang, M., & Bialer, D. M. (2020). From association to gist. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46, 2106-2127.
- Chang, M., Brainerd, C. J., Toglia, M. P., & Schmidt, S. R. (2020). Norms for emotion-false memory lists. *Behavior Research Methods*, June.
- Brainerd, C. J., Nakamura, K., & Murtaza, Y. (2020). Explaining complementarity in false memory. *Journal of Memory and Language*, 112, Article No. 104105.
- Brainerd, C. J., Nakamura, K., Chang, M., & Bialer, D. A. (2019). Verbatim editing: A general model of recollection rejection. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 45, 1776-1790.
- Brainerd, C. J., Nakamura, K., Chang, M., & Bialer, D. M. (2019). Super-overdistribution. *Journal of Memory and Language*, 108, 104027.
- Brainerd, C. J., & Bookbinder, S. H. (2019). The semantics of emotion in false memory. *Emotion*, 19, 146-159.
- Brainerd, C. J., & Reyna, V. F. (2019). Fuzzy-trace theory, false memory, and the law. *Policy Insights from the Behavioral and Brain Sciences*, 6, 79-86
- Brainerd, C. J., Nakamura, K., & Lee, W. F. A. (2019). Recollection is fast and slow. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 45, 302-319.
- Bialer, D. M., Reyna, V. F., & Brainerd, C. J. (in press). False memory: What are the effects, how does fuzzy-trace theory predict them, and how does this matter for eyewitness testimony? In Smith, A. M., Toglia, M. P., & Lampinen, J. M. (Eds.). (In progress). *Methods, Measures, and Theories in Forensic Facial-Recognition Tasks*, London: Taylor & Francis.



- Brainerd, C. J. (2018). The emotional ambiguity hypothesis: A large-scale test. *Psychological Science*, 25, 1706-1715.
- Brainerd, C. J., & Reyna, V. F. (2018). Replication, registration, and scientific creativity. *Perspectives on Psychological Science*, 13, 428–432.
- Brainerd, C. J., Reyna, V. F., & Holliday, R. E. (2018). Developmental reversals in false memory: Development is complementary, not compensatory. *Developmental Psychology*, 54, 1773-1784.
- Brainerd, C. J., & Reyna, V. F. (2018). Complementarity in false memory illusions. *Journal of Experimental Psychology: General*, 147, 305-327.
- Chen, X. R., Gomes, C. F. A., & Brainerd, C. J. (2018). Explaining recollection without remembering. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44, 1921-1930.
- Brainerd, C. J. (2018). Reliability is not readiness. In R. J. Sternberg (Ed.), *My biggest research mistake*. New York: Sage.
- Nakamura, K., & Brainerd, C. J. (2017). Disjunction and conjunction fallacies in episodic memory. *Memory*, 24, 1009-1025.
- Brainerd, C. J., Nakamura, K., & Reyna, V. F. (2017). Overdistribution illusions: Categorical judgments produce them, confidence ratings reduce them. *Journal of Experimental Psychology: General*, 146, 20-40.
- Bookbinder, S. H., & Brainerd, C. J. (2017). Emotionally negative pictures enhance gist memory. *Emotion*, 17, 102-119.
- Bookbinder, S. H., & Brainerd, C. J. (2016). Emotion and false memory: The context-content paradox. *Psychological Bulletin*, 142, 315-351.
- Brainerd, C. J., & Reyna, V. F. (2016). Fuzzy-trace theory and lifespan cognitive development. *Developmental Review*, 38, 89-121.
- Reyna, V. F., Corbin, J.C., Weldon, R.B., & Brainerd, C. J. (2016). How fuzzy-trace theory predicts true and false memories for words, sentences, and narratives. *Journal of Applied Research in Memory and Cognition*, 5, 1-9.
- Corbin, J. C., Reyna, V. F., Weldon, R. B., & Brainerd, C. J. (2016). How reasoning, judgment, and decision making are colored by gist-based intuition: A fuzzy-trace theory approach. *Journal of Applied Research in Memory and Cognition*, 5, 344-355.

- Brainerd, C. J. (2015). Alzheimer's disease. In Bornstein, M. H., Arterberry, M. E., Fingerman, K. L., & Lansford, J. E., (Eds.). *SAGE Encyclopedia of Lifespan Human Development*. New York: Sage.
- Brainerd, C. J. (2015). Eyewitness testimony. In Bornstein, M. H., Arterberry, M. E., Fingerman, K. L., & Lansford, J. E., (Eds.). *SAGE Encyclopedia of Lifespan Human Development*. New York: Sage.
- Brainerd, C. J., Gomes, C. F. A., & Nakamura, K. (2015). Dual recollection in episodic memory. *Journal of Experimental Psychology: General*, *144*, 816–843.
- Brainerd, C. J., Wang, Z., Reyna, V. F., & Nakamura, K. (2015). Episodic memory does not add up: Verbatim–gist superposition predicts violations of the additive law of probability. *Journal of Memory and Language*, *84*, 224–245.
- Brainerd, C. J. (2015). Things Ken Spence never told us. In R. J. Sternberg (Ed.), *Academic leadership*. New York: Rowman-Littlefield.
- Brainerd, C. J., & Reyna, V. F. (2015). Memory and knowledge in theories of episodic memory. In J. Raaijmakers & A. Criss (Eds.), *Cognitive modeling in perception and memory: A festschrift for Richard M. Shiffrin*. London: Psychology Press.
- Brainerd, C. J., Gomes, C. F. A., & Moran, R. (2014). The two recollections. *Psychological Review*, *121*, 563-599.
- Brainerd, C. J. & Reyna, V. F. (2014) Fuzzy-trace theory and lifespan cognitive development. *Developmental Review*, *38*, 89-121.
- Reyna, V. F., & Brainerd, C. J. (2014). The fuzzy universality of probability judgment. *Proceedings of the National Academy of Sciences USA*, *111*(48), 16984-16985. doi: 10.1073/pnas.1420118111
- Brainerd, C. J., Holliday, R. E., Nakamura, K., & Reyna, V. F. (2014). Conjunction illusions and conjunction fallacies in episodic memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*, 1610-1623. doi: 10.1037/xlm000001
- Brainerd, C. J., Reyna, V. F., Gomes, C. F. A., Kenney, A. E., Gross, C. J., Taub, E. S., & Spreng, R. N. (2014). Dual-retrieval models and neurocognitive impairment. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*, 41-65. doi: 10.1037/a0034057
- Gomes, C. F. A., Brainerd, C. J., Nakamura, K., & Reyna, V. F. (2014). Markovian interpretations of dual retrieval processes. *Journal of Mathematical Psychology*, *59*, 50-64.
- LaTour, K. A., LaTour, M. S., & Brainerd, C. J. (2014). Fuzzy-trace theory and “smart” false

- memories: Implications for advertising. *Journal of Advertising*, 43, 3-17.
- Gomes, C. F. A., & Brainerd, C. J. (2014). Dual processes in the development of reasoning: The memory side of the theory. In P. Barrouillet & C. Gauffroy (Eds.), *The development of thinking and reasoning*. Hove, UK: Psychology Press.
- Gomes, C. F. A., Cohen, B. R., Desai, A., Brainerd, C. J., & Reyna, V. F. (2014). Aging and false memory: Fuzzy-trace theory and the elderly eyewitness. In M. P. Toglia, D. Ross, J. Pozzulo, & E. Pica (Eds.), *The elderly eyewitness in court*. New York: Taylor & Francis.
- Brainerd, C. J. (2013). Developmental reversals in false memory: A new look at the reliability of children's evidence. *Current Directions in Psychological Science*, 22(5), 335-341. doi: 10.1177/0963721413484468
- Brainerd, C. J. (2013). Murder must memorise. *Memory*, 21(5), 547-555. doi: 10.1080/09658211.2013.791322
- Brainerd, C. J., Wang, Z., & Reyna, V. F. (2013). Superposition of episodic memories: Overdistribution and quantum models. *Topics in Cognitive Science*, 5, 773-799. . doi: 10.1111/tops.12039
- Brainerd, C. J., & Reyna, V. F. (2013). Dual processes in memory development: Fuzzy-trace theory. In P. J. Bauer & R. Fivush (Eds.), *The Wiley Handbook on the Development of Children's Memory* (pp. 480-512). New York: Wiley & Sons.
- Corbin, J.C., Wilhelms, E.A., Reyna, V.F., & Brainerd, C.J. (2013). Theories and processes in memory development: Childhood to adolescence. In R. E. Holliday & T. Marche, (Eds.), *Child forensic psychology* (pp. 65-94). Basingstroke: Palgrave-Macmillan.
- Brainerd, C. J., Reyna, V. F., Petersen, R. G., Smith, G. E., Kenney, A. E., Gross, C. J., Taub, E. S., Plassman, B. L., & Fisher, G. G. (2013). The apolipoprotein E genotype predicts longitudinal transitions to mild cognitive impairment but not to Alzheimer's dementia: Findings from a nationally representative study. *Neuropsychology*, 27(1), 80-94. doi:10.1037/a0030855
- Effects of Emotional Valence and Arousal on Recollective and Nonrecollective Recall  
 By: Gomes, Carlos F. A.; Brainerd, Charles J.; Stein, Lilian M.  
 JOURNAL OF EXPERIMENTAL PSYCHOLOGY-LEARNING MEMORY AND  
 COGNITION Volume: 39 Issue: 3 Pages: 663-677 Published: MAY 2013
- Brainerd, C.J., Aydin, C., & Reyna, V.F. (2012). Development of dual-retrieval processes in recall: Learning, forgetting, and reminiscence. *Journal of Memory and Language*, 66, 763-788. doi:10.1016/j.jml.2011.12.002

- Brainerd, C. J., & Reyna, V. F. (2012). Reliability of children's testimony in the era of developmental reversals. *Developmental Review, 32*, 224-267. doi: 10.1016/j.dr.2012.06.008
- Brainerd, C. J., Reyna, V. F., Holliday, R. E., & Nakamura, K. (2012). Overdistribution in source memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 38*, 413-439. doi:10.1037/a0025645
- Gomes, C. F. A., Brainerd, C. J., & Stein, L. M. (2012). Effects of emotional valence and arousal on recollective and nonrecollective recall. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. Advance online publication. doi:10.1037/a0028578
- Marche, T.A. & Brainerd, C.J. (2012). The role of phantom recollection in false recall. *Memory & Cognition, 40*, 902-917. doi:10.3758/s13421-012-0195-3
- Zember, E., Brainerd, C.J., Reyna, V.F., Kopko, K.A. (2012). The science of law and memory. In E. Wethington & R. Dunifon (Eds.), *Research for the public good: Applying methods of translational research to improve human health and well-being* (pp.147-167). Washington, DC: American Psychological Association Press. doi:10.1037/13744-007
- Brainerd, C. J., Reyna, V. F., & Holliday, R. E. (2012). Development of recollection: A fuzzy-trace theory perspective. In S. Ghetti & P. J. Bauer (Eds.), *Origins and development of recollection: Perspectives from psychology and neuroscience* (pp. 101-143). New York: Oxford University Press.
- Holliday, R.E., Humphries, J.E., Brainerd, C.J. & Reyna, V.F. (2012). Interviewing witnesses and victims. In G. Davies, A. R. Beech (Eds.), *Forensic psychology: Crime, justice, law, interventions* (pp. 115-134). Chichester, UK: Wiley.
- Reyna, V. F., & Brainerd, C. J. (2011). Dual processes in decision making and developmental neuroscience: A fuzzy-trace model. *Developmental Review, 31*, 180-206. doi: 10.1016/j.dr.2011.07.004
- Brainerd, C.J., Reyna, V.F., Petersen, R.C., Smith, G.E., & Taub, E.S. (2011). Is the apolipoprotein E genotype a biomarker for mild cognitive impairment? Findings from a nationally representative study. *Neuropsychology, 25*, 679-689. doi:10.1037/a0024483
- Brainerd, C. J., Reyna, V. F., & Zember, E. (2011). Theoretical and forensic implications of developmental studies of the DRM illusion. *Memory & Cognition, 39*, 365-380. doi:10.3758/s13421-010-0043-2
- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2011). Developmental Reversals in False Memory: Now you see them, now you don't! *Developmental Psychology, 47*(2), 442-449. doi:10.1037/a0021058

- Marche, T. A., Brainerd, C. J., & Reyna, V. F. (2010). Distinguishing true from false memories in forensic contexts: Can phenomenology tell us what is real? *Applied Cognitive Psychology*, *24*, 1168-1182. doi:10.1002/acp.1629
- Brainerd, C. J., & Reyna, V. F. (2010). Recollective and nonrecollective recall. *Journal of Memory and Language*, *63*, 425-445. doi:10.1016/j.jml.2010.05.002
- Brainerd, C. J., Holliday, R. E., Reyna, V. F., Yang, Y., & Toglia, M. P. (2010). Developmental reversals in false memory: Effects of emotional valence and arousal. *Journal of Experimental Child Psychology*, *107*, 137-154. doi:10.1016/j.jecp.2010.04.013
- Brainerd, C. J., & Reyna, V. F., & Aydin, C. (2010). Remembering in contradictory minds: Disjunction fallacies in episodic memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *36*, 711-735. doi:10.1037/a0018995
- Holliday, R.E., Brainerd, C.J. & Reyna, V.F. (2010). Interviewing witnesses and victims. In G. Davies, C. Hollin & R. Bull (Eds). *Forensic Psychology*. Wiley.
- Brainerd, C. J., Reyna, V. F., & Howe, M. L. (2009). Trichotomous processes in early memory development, aging, and neurocognitive impairment: A unified theory. *Psychological Review*. *116*, 783–832. doi:10.1037/a0016963
- Odegard, T. N., Cooper, C. M., Lampinen, J. M., Reyna, & V. F., Brainerd, C. J. (2009). Children’s eyewitness memory for multiple real-life events. *Child Development*, *80*, 1877-1890. doi:10.1111/j.1467-8624.2009.01373.x
- Holliday, R. E., Brainerd, C. J., Reyna, V. F., & Humphries, J. E. (2009). The cognitive interview: Research and practice across the lifespan. In R. Bull, T. Valentine, & T. Williamson (Eds.), *Handbook of psychology of investigative interviewing: Current developments and future directions*. New York: Wiley and Sons.
- Brainerd, C. J., Stein, L. M., Silveira, R. A., Rohenkohl, G., & Reyna, V. F. (2008). How does negative emotion cause false memories? *Psychological Science*, *19*, 919-925. doi:10.1111/j.1467-9280.2008.02177.x
- Brainerd, C. J., & Reyna, V. F., & Ceci, S. J. (2008). Developmental reversals in false memory: A review of data and theory. *Psychological Bulletin*, *134*, 343-382. doi:10.1037/0033-2909.134.3.343
- Brainerd, C. J., Reyna, V. F., Ceci, S. J., & Holliday, R. E. (2008). Understanding developmental reversals in false memory: Reply to Ghetti (2008) and Howe (2008). *Psychological Bulletin*, *134*, 773-777. doi:10.1037/0033-2909.134.3.343
- Brainerd, C. J., & Reyna, V. F. (2008). Episodic over-distribution: A signature effect of familiarity without recollection. *Journal of Memory and Language*, *58*, 765-786.

doi:10.1016/j.jml.2007.08.006

- Brainerd, C. J., Yang, Y., Howe, M. L., Reyna, V. F., & Mills, B. A. (2008). Semantic processing in “associative” false memory. *Psychonomic Bulletin & Review*, *15*, 1035-1053. doi:10.3758/PBR.15.6.1035
- Brainerd, C. J. (2008). Kissing cousins but not identical twins: The denominator neglect and base-rate respect models. *Behavioral and Brain Sciences*, *30*, 257-258. doi: 10.1017/S0140525X07001689
- Brainerd, C. J., & Reyna, V. F. (2008). Developmental trends in spontaneous false memory, with implications for the law. In M. L. Howe, G. S. Goodman, & D. Cicchetti (Eds.), *Stress, trauma, and children’s memory development: Neurobiological, cognitive, clinical, and legal perspectives*. New York: Oxford University Press.
- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2008). Recall of details never experienced: Effects of age, repetition, and semantic cues. *Cognitive Development*, *23*, 67-78. doi: 10.1016/j.cogdev.2007.05.002
- Odegard, T. N., Brainerd, C. J., & Reyna, V. F. (2008). Attention to global-gist processing eliminates age effects in false memories. *Journal of Experimental Child Psychology*, *99*, 96-113. doi:10.1016/j.jecp.2007.08.007
- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2008). Interviewing vulnerable witnesses. In G. Davies, C. Hollin, & R. Bull (Eds.), *Forensic psychology* (pp. 85-110). New York: Wiley.
- Reyna, V. F., & Brainerd, C. J. (2008). Numeracy, ratio bias, and denominator neglect in judgments of risk and probability. *Learning and Individual Differences*, *18*, 89-107. doi:10.1016/j.lindif.2007.03.011
- Reyna, V. F., & Brainerd, C. J. (2007). The importance of mathematics in health and human judgment: Numeracy, risk communication, and medical decision making. *Learning and Individual Differences*, *17*, 147-159. doi:10.1016/j.lindif.2007.03.010
- Brainerd, C. J., & Reyna, V. F. (2007). Explaining developmental reversals in false memory. *Psychological Science*, *18*, 442-448. doi:10.1111/j.1467-9280.2007.01919.x
- Reyna, V. F., Mills, B., Estrada, S., & Brainerd, C. J. (2007). False memory in children: Data, theory, and legal implications. In M. P. Toglia, J. D. Read, D. F. Ross, & R. C. L. Lindsay (Eds.), *Handbook of eyewitness psychology*. Mahwah, NJ: Erlbaum.
- Brainerd, C. J., Forrest, T. J., Karibian, D., & Reyna, V. F. (2006). Development of the false-memory illusion. *Developmental Psychology*, *42*, 962-979. doi:10.1080/09658210600648449

- Brainerd, C. J., Reyna, V. F., & Estrada, S. (2006). Recollection rejection of false narrative statements. *Memory, 14*, 672-691. doi:10.1080/09658210600648449
- Brainerd, C. J. (2006). *Developmental Review's* most influential articles. *Developmental Review, 26*, 1-14. doi: 10.1016/j.dr.2005.09.003
- Reyna, V. F., Adam, M. B., Poirier, K., LeCroy, C. W., & Brainerd, C. J. (2005). Risky decision-making in childhood and adolescence: A fuzzy-trace theory approach. In J. Jacobs & P. Klaczynski (Eds.), *The development of judgment and decision-making in children and adolescents* (pp. 77-106). Mahwah, NJ: Erlbaum.
- Brainerd, C. J., & Wright, R. (2005). Forward associative strength, backward associative strength, and the false memory illusion. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 31*, 554-567. doi: 10.1037/0278-7393.31.3.554
- Marche, T., Brainerd, C. J., Lang, D. G., & Loehr, J. D. (2005). Item level directed forgetting diminishes the false memory illusion. *Memory, 13*, 749-758.
- Brainerd, C. J. (2004). Dropping the other U: An alternative approach to U-shaped developmental functions. *Cognition and Development, 5*, 81-88.
- Brainerd, C. J., & Reyna, V. F. (2004). Fuzzy-trace theory and memory development. *Developmental Review, 24*, 396-439. doi:10.1016/j.dr.2004.08.005
- Brainerd, C. J., Holliday, R. E., & Reyna, V. F. (2004). Behavioral measurement of remembering phenomenologies: So simple a child can do it. *Child Development, 75*, 505-522. doi:10.1111/j.1467-8624.2004.00689.x
- Brainerd, C. J., Reyna, V. F., Wright, R., & Mojardin, A. H. (2003). Recollection rejection: False-memory editing in children and adults. *Psychological Review, 110*, 762-784. doi:10.1037/0033-295X.110.4.762 [This paper received the National Award for World Science Impact from Thomson-Reuters and the Mexican Consortium of Universities.]
- Brainerd, C. J., Payne, D. G., Wright, R., & Reyna, V. F. (2003). Phantom recall. *Journal of Memory and Language, 48*, 445-467. doi:10.1016/S0749-596X(02)00501-6
- Brainerd, C. J. (2005). Fuzzy-Trace Theory: Memory. In C. Izawa & N. Ohta (Eds.), *Learning and Memory: Theory and Applications*. Mahwah, NJ.
- Reyna, V. F., Lloyd, F. J., & Brainerd, C. J. (2003). Memory, development, and rationality: An integrative theory of judgment and decision making. In S. Schneider & J. Shanteau (Eds.), *Emerging perspectives on decision research*. New York: Cambridge University Press.
- Brainerd, C. J., & Howe, M. L. (2002). *Developmental Review* in the new millennium.

- Brainerd, C. J., & Reyna, V. F. (2002). Fuzzy-trace theory and false memory. *Current Directions in Psychological Science*, 11, 164-168. doi:10.1111/1467-8721.00192
- Brainerd, C. J., Reyna, V. F., & Forrest, T. J. (2002). Are young children susceptible to the false-memory illusion? *Child Development*, 73, 1363-1377. doi:10.1111/1467-8624.00477
- Brainerd, C. J. (2002). Jean Piaget and American education. In B. J. Zimmerman (Ed.), *Educational Psychology: A Century of Contributions*. Mahwah, NJ: Erlbaum.
- Brainerd, C. J., & Reyna, V. F. (2002). Recollection rejection: How children edit their false memories. *Developmental Psychology*, 38, 156-172. doi:10.1037/0012-1649.38.1.156
- Brainerd, C. J., Wright, R., Reyna, V. F., & Payne, D. G. (2002). Dual-retrieval processes in recall. *Journal of Memory and Language*, 46, 120-152. doi:10.1006/jmla.2001.2796
- Labiner, D. M., Weinand, M. E., Brainerd, C. J., Ahern, G. L., Herring, A. M., & Melgar, M. A. (2002). Prognostic value of concordant seizure focus localizing data in the selection of temporal lobectomy candidates. *Neurological Research*, 24, 747-755. doi:10.1179/016164102101200843
- Reyna, V. F., Brainerd, C. J., Bootzin, R. R., Effken, J. A., & Lloyd, F. J. (2001). The psychology of human-computer mismatches. In C. Wolfe (Ed.), *The psychology of the World Wide Web*, (pp. 23-44). San Diego, CA: Academic Press.
- Brainerd, C. J., & Reyna, V. F. (2001). Fuzzy-trace theory: Dual-processes in reasoning, memory, and cognitive neuroscience. In H.W. Reese & R. Kail (Ed.), *Advances in Child Development and Behavior*, Vol 28, (pp. 41-100). San Diego, CA: Academic Press.
- Brainerd, C. J., Wright, R., Reyna, V. F., & Mojardin, A. H. (2001). Conjoint recognition and phantom recollection. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 307-327. doi:10.1037/0278-7393.27.2.307
- Brainerd, C. J., Reyna, V. F., & Poole, D. A. (2000). Fuzzy-trace theory and false memory: Memory theory in the courtroom. In D. F. Bjorklund (Ed.), *False memory creation in children and adults* (pp. 93-128). Mahwah, NJ: Erlbaum.
- Brainerd, C. J., Reyna, V. F., & Mojardin, A. H. (1999). Conjoint recognition. *Psychological Review*, 106, 160-179. doi:10.1037/0033-295X.106.1.160
- Brainerd, C. J., & Mojardin, A. H. (1998). Children's spontaneous false memories for narrative statements: Long-term persistence and mere-testing effects. *Child Development*, 69, 1361-1377. doi:10.2307/1132271



- Brainerd, C. J., & Reyna, V. F. (1998). Fuzzy-trace theory and children's false memories. *Journal of Experimental Child Psychology*, *71*, 81-129. doi:10.1006/jecp.1998.2464
- Brainerd, C. J., & Reyna, V. F. (1998). When things that never happened are easier to remember than things that did. *Psychological Science*, *9*, 484-489. doi:10.1111/1467-9280.00089
- Reyna, V. F., & Brainerd, C. J. (1998). Fuzzy-trace theory and false memory: New frontiers. *Journal of Experimental Child Psychology*, *71*, 194-209. doi:10.1006/jecp.1998.2472
- Brainerd, C. J., Stein, L., & Reyna, V. F. (1998). On the development of conscious and unconscious memory. *Developmental Psychology*, *34*, 342-357. doi:10.1037/0012-1649.34.2.342
- Brainerd, C. J., & Dempster, F. N. (1997). Prolegomena to children's false memories. *Learning and Individual Differences*, *9*, 89-94. doi: 10.1016/S1041-6080(97)90001-7
- Brainerd, C. J., & Poole, D. A. (1997). Long-term survival of children's false memories: A review. *Learning and Individual Differences*, *9*, 125-152. doi: 10.1016/S1041-6080(97)90003-0
- Brainerd, C. J., & Hill, D. (1997). Voices of children. *Contemporary Psychology*, *42*, 7-11.
- Dempster, F. N., & Brainerd, C. J. (1997). Children's false memories redux. *Learning and Individual Differences*, *9*, 285-288. doi: 10.1016/S1041-6080(97)90010-8
- Reyna, V. F., & Brainerd, C. J. (1997). Fuzzy-trace theory applied to the theory and practice of law. *Journal of Contemporary Legal Issues*, *8*, 287-298.
- Brainerd, C. J. (1996). Piaget: A centennial celebration. *Psychological Science*, *7*, 191-195.
- Brainerd, C. J. (1996). Development of forgetting, with implications for memory suggestibility. In Stein, N. L., Ornstein, P. A., Tversky, B., & Brainerd, C. J. (Eds.), *Memory for everyday and emotional events* (pp. 209-235). Hillsdale, NJ: Erlbaum.
- Brainerd, C. J., & Reyna, V. F. (1996). Mere memory testing creates false memories in children. *Developmental Psychology*, *32*, 467-476. doi:10.1037/0012-1649.32.3.467
- Brainerd, C. J., Reyna, V. F., & Brandse, E. (1995). Are children's false memories more persistent than their true memories? *Psychological Science*, *6*, 359-364. doi:10.1111/j.1467-9280.1995.tb00526.x
- Brainerd, C. J. (1995). Interference processes in memory development: The case of cognitive triage. In F. N. Dempster & C. J. Brainerd (Eds.), *Interference and inhibition in cognition* (pp. 105-139). San Diego, CA: Academic Press.
- Brainerd, C. J., & Reyna, V. F. (1995). Autosuggestibility in memory development. *Cognitive*

*Psychology*, 28, 65-101. doi:10.1006/cogp.1995.1003

- Brainerd, C. J., & Reyna, V. F. (1995). Learning rate, learning opportunities and the development of forgetting. *Developmental Psychology*, 31, 251-263. doi:10.1037/0012-1649.31.2.251
- Brainerd, C. J., Reyna, V. F., & Kneer, R. (1995). False-recognition reversal: When similarity is distinctive. *Journal of Memory and Language*, 34, 157-185. doi:10.1006/jmla.1995.1008
- Dempster, F. N., & Brainerd, C. J. (1995). New perspectives on interference and inhibition in cognition: An integration. In F. N. Dempster & C. J. Brainerd (Eds.), *Interference and inhibition in cognition* (pp.402-408). San Diego, CA: Academic Press.
- Reyna, V. F., & Brainerd, C. J. (1995). Fuzzy-trace theory: An interim synthesis. *Learning and Individual Differences*, 7, 1-75. doi:10.1016/1041-6080(95)90031-4
- Reyna, V. F., & Brainerd, C. J. (1995). Fuzzy-trace theory: Some foundational issues. *Learning and Individual Differences*, 7, 145-162. doi:10.1016/1041-6080(95)90028-4
- Brainerd, C. J. (1994). Children's conservation concepts. In R. J. Sternberg (Ed.), *Encyclopedia of intelligence*. New York: Macmillan.
- Brainerd, C. J. (1994). Conceptions of child and adolescent intelligence. In R. J. Sternberg (Ed.), *Encyclopedia of intelligence*. New York: Macmillan.
- Brainerd, C. J. (1994). Stages of cognitive development. In R. J. Sternberg (Ed.), *Encyclopedia of intelligence*. New York: Macmillan.
- Brainerd, C. J. (1994). The reliability of children's testimony. *Child and Adolescent Behavior Newsletter*.
- Brainerd, C. J., & Gordon, L. L. (1994). Development of verbatim and gist memory for numbers. *Developmental Psychology*, 30, 163-177. doi: 10.1037/0012-1649.30.2.163
- Harnishfeger, K. K., & Brainerd, C. J. (1994). Nonstrategic facilitation of children's recall: Evidence of triage with semantically related information. *Journal of Experimental Child Psychology*, 57, 259-280. doi: 10.1006/jecp.1994.1012
- Reyna, V. F., & Brainerd, C. J. (1994). The origins of probability judgment: A review of data and theories. In G. Wright & P. Ayton (Eds.), *Subjective Probability* (pp. 239-272). New York: Wiley.
- Brainerd, C. J., Olney, C. A., & Reyna, V. F. (1993). Optimization versus effortful processing in children's cognitive triage: Criticisms, reanalyses, and new data. *Journal of Experimental Child Psychology*, 55, 353-373. doi:10.1006/jecp.1993.1020

- Brainerd, C. J., & Reyna, V. F. (1993). Domains of fuzzy-trace theory. In M. L. Howe & R. Pasnak (Eds.), *Emerging themes in cognitive development* (Vol. 1, pp. 50-94). New York: Springer-Verlag.
- Brainerd, C. J., & Reyna, V. F. (1993). Memory independence and memory interference in cognitive development. *Psychological Review*, *100*, 42-67. doi:10.1037/0033-295X.100.1.42
- Brainerd, C. J., Reyna, V. F., Harnishfeger, K. K., & Howe, M. L. (1993). Is retrievability grouping good for recall? *Journal of Experimental Psychology: General*, *122*, 249-268. doi:10.1037/0096-3445.122.2.249
- Reyna, V. F., & Brainerd, C. J. (1993). Fuzzy memory and mathematics in the classroom. In R. Logie & G. Davies (Eds.), *Everyday memory* (pp. 91-119). Amsterdam: North-Holland.
- Brainerd, C. J., & Reyna, V. F. (1992). Explaining "memory free" reasoning. *Psychological Science*, *3*, 332-339. doi:10.1111/j.1467-9280.1992.tb00042.x
- Brainerd, C. J., & Reyna, V. F. (1992). The memory independence effect: What do the data show? What do the theories claim? *Developmental Review*, *12*, 164-186. doi:10.1016/0273-2297(92)90007-O
- Reyna, V. F., & Brainerd, C. J. (1992). A fuzzy-trace theory of reasoning and remembering: Patterns, paradoxes, and parallelism. In A. Healy, S. Kosslyn, R. Shiffrin (Eds.), *From learning processes to cognitive processes: Essays in honor of William K. Estes* (Vol 2, pp. 235-259). Hillsdale, NJ: Erlbaum.
- Brainerd, C. & Ornstein, P. A. (1991). Children's memory for witnessed events: The developmental backdrop. In J. Doris (Ed.). *The suggestibility of children's recollections* (pp. 10-20). Washington, DC: American Psychological Association.
- Brainerd, C. J., & Reyna, V. F. (1991). Forgetting in normal and learning disabled children: A disintegration/redintegration theory. In J. Obrzut & G. Hynd (Eds.), *Advances in the neuropsychology of learning disabilities* (pp. 147-178). New York: Academic Press.
- Brainerd, C. J., Reyna, V. F., Howe, M. L., & Kevershan, J. (1991). Fuzzy-trace theory and cognitive triage in memory development. *Developmental Psychology*, *27*, 351-369. doi:10.1037/0012-1649.27.3.351
- Reyna, V. F., & Brainerd, C. J. (1991). Fuzzy-trace theory and framing effects in choice: Gist extraction, truncation, and conversion. *Journal of Behavioral Decision Making*, *4*, 249-262. doi:10.1002/bdm.3960040403
- Reyna, V. F., & Brainerd, C. J. (1991). Fuzzy-trace theory and children's acquisition of scientific and mathematical concepts. *Learning and Individual Differences*, *3*, 27-60.

doi:10.1016/1041-6080(91)90003-J

- Brainerd, C. J., & Reyna, V. F. (1990). Gist is the grist: Fuzzy-trace theory and the new intuitionism. *Developmental Review, 10*, 3-47. doi:10.1016/0273-2297(90)90003-M
- Brainerd, C. J., & Reyna, V. F. (1990). Can age x learnability interactions explain the development of forgetting? *Developmental Psychology, 26*, 194-203. doi:10.1037/0012-1649.26.2.194
- Brainerd, C. J., & Reyna, V. F. (1990). Inclusion illusions: Fuzzy-trace theory and perceptual salience effects in cognitive development. *Developmental Review, 10*, 365-403. doi:10.1016/0273-2297(90)90020-5
- Brainerd, C. J., Reyna, V. F., & Howe, M. L. (1990). Children's cognitive triage: Optimal retrieval or effortful processing? *Journal of Experimental Child Psychology, 49*, 428-447. doi:10.1016/0022-0965(90)90068-J
- Brainerd, C. J., Reyna, V. F., Howe, M. L., & Kevershan, J. (1990). The last shall be first: How memory strength affects children's retrieval. *Psychological Science, 1*, 247-252. doi:10.1111/j.1467-9280.1990.tb00208.x
- Brainerd, C. J., Reyna, V. F., Howe, M. L., & Kingma, J. (1990). The development of forgetting and reminiscence. *Monographs of the Society for Research in Child Development, 53*, (3-4) doi:10.2307/1166106
- Reyna, V. F., Brainerd, C. J. (1990). Fuzzy processing in transitivity development. *Annals of Operations Research, 23*, 37-63.
- Brainerd, C. J., & Reyna, V. F. (1989). Output-interference theory of dual-task deficits in memory development. *Journal of Experimental Child Psychology, 47*, 1-18. doi:10.1016/0022-0965(89)90056-8
- Howe, M. L., & Brainerd, C. J. (1989). Development of children's long-term retention. *Developmental Review, 9*, 301-340. doi: 10.1016/0273-2297(89)90032-4
- Howe, M. L., O'Sullivan, J. T., Brainerd, C. J., & Kingma, J. (1989). Localizing the development of ability differences in organized memory. *Contemporary Educational Psychology, 14*, 336-356. doi: 10.1016/0361-476X(89)90020-9
- Reyna, V. F., & Brainerd, C. J. (1989). Output interference, generic resources, and cognitive development. *Journal of Experimental Child Psychology, 47*, 42-46. doi:10.1016/0022-0965(89)90061-1
- Brainerd, C. J., & Reyna, V. F. (1988). Memory loci of suggestibility development. *Journal of Experimental Psychology: General, 117*, 197-200. doi:10.1037/0096-3445.117.2.197

- Brainerd, C. J., & Reyna, V. F. (1988). Generic resources, reconstructive processing, and children's mental arithmetic. *Developmental Psychology, 24*, 324-334. doi:10.1037/0012-1649.24.3.324
- Brainerd, C. J. (1987). Sources of working-memory error in children's mental arithmetic. In G. DeLoche & X. Seron (Eds.), *Mathematical Disabilities: A Cognitive Neuropsychological Perspective*. Hillsdale, N.J.: Erlbaum.
- Brainerd, C. J. (1987). Structural measurement theory and cognitive development. In J. Bisanz, C.J. Brainerd, & R.V. Kail (Eds.), *Formal models in Developmental Psychology*. New York: Springer-Verlag.
- Brainerd, C. J., Kingma, J., & Howe, M. L. (1986). Long-term memory development and learning disability: Storage and retrieval loci of disabled/nondisabled differences. In S. Ceci (Ed.), *Handbook of cognitive, social, and neuropsychological aspects of learning disabilities*. Hillsdale, N.J.: Erlbaum.
- Brainerd, C. J., Kingma, J., & Howe, M. L. (1986). Spread of encoding and the development of organization in memory. *Canadian Journal of Psychology, 40*, 203-224. doi: 10.1037/h0080094
- Brainerd, C. J. (1985). Model-based approaches to storage and retrieval development. In C.J. Brainerd & M. Pressley (Eds.), *Basic processes in memory development*. New York: Springer-Verlag.
- Brainerd, C. J. (1985). Three-state models of memory development: A review of advances in statistical methodology. *Journal of Experimental Child Psychology, 40*, 375-394. doi:10.1016/0022-0965(85)90072-4
- Brainerd, C. J. (1985). Some historical issues in the study of children's concept learning. In C.J. Brainerd & V.F. Reyna (Eds.), *Developmental Psychology: Proceedings of the 23rd International Congress of Psychology*. Amsterdam: North-Holland.
- Brainerd, C. J. (1985). Do children have to remember to reason? In C.J. Brainerd & V. F. Reyna (Eds.), *Developmental Psychology: Proceedings of the 23rd International Congress of Psychology*. Amsterdam: North-Holland.
- Brainerd, C. J., & Kingma, J. (1985). On the independence of short-term memory and working memory in cognitive development. *Cognitive Psychology, 17*, 210-247. doi: 10.1016/0010-0285(85)90008-8
- Brainerd, C. J., Kingma, J., & Howe, M. L. (1985). On the development of forgetting. *Child Development, 56*, 1103-1119. doi:10.1111/1467-8624.ep7252287
- Howe, M. L., Brainerd, C. J., & Kingma, J. (1985). Development of organization in recall: A stages-of-learning analysis. *Journal of Experimental Child Psychology, 39*, 230-251.

doi:10.1016/0022-0965(85)90039-6

- Howe, M. L., Brainerd, C. J., & Kingma, J. (1985). Storage-retrieval processes of learning-disabled children: A stages-of-learning analysis of picture-word effects. *Child Development, 56*, 1120-1133. doi:10.1111/1467-8624.ep7252289
- Brainerd, C. J. (1984). Piaget and instruction. In O. Selfridge, E. Rissland, & M. Arbib (Eds.), *Adaptive control of ill-defined systems*, New York: Plenum.
- Brainerd, C.J., Howe, M.L., Kingma, J., & Brainerd, S.H. (1984). Explaining category interference effects in associative memory. *Canadian Journal of Psychology, 38*, 454-477.
- Brainerd, C. J., Howe, M. L., Kingma, J. & Brainerd, S. H. (1984). On the measurement of storage and retrieval contributions to memory development. *Journal of Experimental Child Psychology, 37*, 478-499. doi:10.1037/h0080852
- Brainerd, C. J., & Kingma, J. (1984). Do children have to remember to reason? A fuzzy-trace theory of transitivity development. *Developmental Review, 4*, 311-377. doi:10.1016/0273-2297(84)90021-2
- Brainerd, C. J. (1983). Varieties of strategy training in children's concept learning. In M. Pressley & J.R. Levin (Eds.), *Children's strategies: Psychological foundations*. New York: Springer-Verlag.
- Brainerd, C. J. (1983). Structural invariance in the developmental analysis of learning. In J. Bisanz, G. Bisanz, & R.V. Kail (Eds.), *Learning in children*. New York: Springer-Verlag.
- Brainerd, C. J. (1983). Young children's mental arithmetic errors: A working-memory analysis. *Child Development, 54*, 812-830. doi:10.1111/1467-8624.ep12432754
- Brainerd, C. J. (1983). The modifiability of cognitive development. In S. Meadows (Ed.), *Childhood cognitive development*. London: Methuen.
- Brainerd, C. J. (1983). Working memory systems and cognitive development. In C.J. Brainerd (Ed.), *Recent advances in cognitive-developmental theory*. New York: Springer-Verlag.
- Rushton, J. P., Brainerd, C. J., & Pressley, M. (1983). Behavioral development and construct validity: Some implications of the principle of aggregation. *Psychological Bulletin, 94*, 18-38. doi:10.1037/0033-2909.94.1.18
- Brainerd, C. J. (1982). Children's concept learning as rule-sampling systems with Markovian properties. In C.J. Brainerd (Ed.), *Children's logical and mathematical cognition*. New York: Springer-Verlag.

- Brainerd, C. J. (1982). The stage-learning hypothesis: Strategies for instructional design. *Contemporary Educational Psychology*, 7, 238-256. doi:10.1016/0361-476X(82)90030-3
- Brainerd, C. J. (1982). Effects of group and individualized dramatic play on cognitive development. In D.J. Pepler & K.H. Rubin (Eds.), *The play of children: Theory and research*. Basel, Switzerland: Karger.
- Brainerd, C. J., & Howe, M. L. (1982). Stages-of-learning analysis of developmental interactions in memory, with illustrations from developmental interactions in picture-word effects. *Developmental Review*, 2, 251-273. doi:10.1016/0273-2297(82)90014-4
- Brainerd, C. J., Howe, M. L., & Desrochers, A. (1982). The general theory of two-stage learning: A mathematical review with illustrations from memory development. *Psychological Bulletin*, 91, 634-665. doi:10.1037/0033-2909.91.3.634
- Brainerd, C. J., Howe, M. L., & Kingma, J. (1982). An identifiable model of two-stage learning. *Journal of Mathematical Psychology*, 26, 263-293. doi:10.1016/0022-2496(82)90005-0
- Brainerd, C. J. (1981). Working memory and the developmental analysis of probability judgment. *Psychological Review*, 88, 463-502. doi:10.1037/0033-295X.88.6.463
- Brainerd, C. J., Desrochers, A., & Howe, M. L. (1981). Stages-of-learning analysis of picture-word effects in associative memory. *Journal of Experimental Psychology: Human Learning and Memory*, 7, 1-14. doi:10.1037/0278-7393.7.1.1
- Brainerd, C. J., & Howe, M. L. (1980). Developmental invariance in a mathematical model of associative learning. *Child Development*, 51, 349-363. doi:10.1111/1467-8624.ep12329611
- Brainerd, C. J., Howe, M. L., & Desrochers, A. (1980). Interpreting associative learning stages. *Journal of Experimental Psychology: Human Learning and Memory*, 6, 754-765. doi:10.1037/0278-7393.6.6.754
- Brainerd, C. J. (1979). Une modele neo-Piagetian de l'apprentissage du concept chez l'enfant. *Bulletin de Psychologie*, 32, 509-521.
- Brainerd, C. J. (1979). Further reflections and replies on invariant sequences, explanation, and other stage criteria. *The Behavioral and Brain Sciences*, 2, 149-154.
- Brainerd, C. J. (1979). Markovian interpretations of conservation learning. *Psychological Review*, 86, 181-213 doi:10.1037/0033-295X.86.3.181
- Brainerd, C. J. (1979). Concept learning and developmental stage. In H.J. Klausmeier and Associates, *Cognitive learning and development: Piagetian and information processing perspectives*. Cambridge, Mass.: Ballinger.

- Brainerd, C. J., & Howe, M. L. (1979). An attentional analysis of small cardinal number concepts in five-year-olds. *Canadian Journal of Behavioral Science, 11*, 112-123. doi:10.1037/h0081578
- Burns, S. M., & Brainerd, C. J. (1979). Effects of constructive and dramatic play on perspective taking in very young children. *Developmental Psychology, 15*, 512-521. doi:10.1037/0012-1649.15.5.512
- Brainerd, C. J. (1978). Learning research and Piagetian theory. In L.S. Siegel and C.J. Brainerd (Eds.), *Alternatives to Piaget: Critical essays on the theory*. New York: Academic Press.
- Brainerd, C.J. (1978). Group theory and discrimination shift behavior. In J.M. Scandura & C.J. Brainerd (Eds.), *Structural/process models of complex behavior*. Leyden, The Netherlands: Noordhoff, 1978.
- Brainerd, C. J. (1978). Cognitive development and instructional theory. *Contemporary Educational Psychology, 3*, 37-50. doi: 10.1016/0361-476X(78)90007-3
- Brainerd, C. J. (1978). "Stage," "structure," and developmental theory. In G. Steiner (Ed.), *The psychology of the twentieth century*. Munich, Federal Republic of Germany: Kindler.
- Brainerd, C. J. (1978). The stage question in cognitive-developmental theory. *The Behavioral Brain Sciences, 1*, 173-182.
- Brainerd, C. J. (1978). Invariant sequences, explanation, and other stage criteria. *The Behavioral and Brain Sciences, 2*, 207-213.
- Brainerd, C. J., & Hooper, F. H. (1978). More on the identity-equivalence sequence: An update and some replies to Miller. *Psychological Bulletin, 85*, 70-75. doi: 10.1111/1467-8624.ep8589268
- Brainerd, C. J., & Howe, M. L. (1978). The origins of all-or-none learning. *Child Development, 49*, 1028-1034. doi:10.1111/1467-8624.ep10713009
- Brainerd, C. J. (1977). Cognitive development and concept learning: An interpretative review. *Psychological Bulletin, 84*, 919-939. doi:10.1037/0033-2909.84.5.919
- Brainerd, C. J. (1977). Feedback, rule knowledge, and conservation learning. *Child Development, 48*, 404-411. doi:10.1111/1467-8624.ep11228337
- Brainerd, C. J. (1977). Response criteria in concept development research. *Child Development, 48*, 360-366. doi:10.1111/1467-8624.ep11227599
- Brainerd, C. J. (1977). Effects of spatial cues on children's cardinal number judgments. *Developmental Psychology, 13*, 425-430. doi:10.1037/0012-1649.13.5.425



- Brainerd, C. J. (1976). Does prior knowledge of the compensation rule increase susceptibility to conservation training? *Developmental Psychology*, *12*, 1-5. doi:10.1037/0012-1649.12.1.1
- Brainerd, C. J. (1976). On the validity of propositional logic as a model for adolescent intelligence. *Interchange*, *7*, 40-45. doi:10.1007/BF02145253
- Brainerd, C. J. (1976). Analysis and synthesis of recent research on ordinal and cardinal number. In R. Lesh (Ed.), *Recent research on number and measurement*. Columbus, Ohio: ERIC.
- Brainerd, C. J. (1975). Structures of the whole and elementary education. *American Educational Research Journal*, *11*, 369-381.
- Brainerd, C. J. (1975). The role of structures in explaining behavioral development. In K.F. Riegel & J. Meecham (Eds.), *The individual and society*. (Vol. 1) The Hague: Mouton.
- Brainerd, C. J., & Fraser, M. (1975). A further test of the ordinal theory of number development. *Journal of Genetic Psychology*, *127*, 141-152.
- Brainerd, C. J., & Hooper, F. H. (1975). A methodological analysis of developmental studies of identity conservation and equivalence conservation. *Psychological Bulletin*, *82*, 725-737. doi:10.1037/h0077070
- Weinreb, N., & Brainerd, C. J. (1975). A developmental study of Piaget's groupement model for the emergence of speed and time concepts. *Child Development*, *46*, 176-185. doi:10.1111/1467-8624.ep12189776
- Brainerd, C. J. (1974). Inducing ordinal and cardinal representations of the first five natural numbers. *Journal of Experimental Child Psychology*, *18*, 520-534. doi:10.1016/0022-0965(74)90130-1
- Brainerd, C. J. (1974). Training and transfer of transitivity, conservation, and class inclusion of length. *Child Development*, *45*, 324-334. doi:10.1111/1467-8624.ep12154354
- Brainerd, C. J. (1974). The long-term memory improvement effect. In J.M. Scandura and J.H. Durnin (Eds.), *Proceedings of the fifth annual interdisciplinary conference on structural learning*. Washington, D.C.: Naval Printing Office.
- Brainerd, C. J. (1974). The evolution of the number concept. *Journal of Structural Learning*.
- Brainerd, C. J., & Kaszor, P. (1974). An analysis of two proposed sources of children's class-inclusion errors. *Developmental Psychology*, *10*, 633-643. doi:10.1037/h0037011
- Brainerd, C. J., & Vanden Heuvel, K. (1974). Development of geometric imagery in five- to eight-year-olds. *Genetic Psychology Monographs*, *1974*, *89*, 84-113.

- Brainerd, C. J. (1973). Neo-Piagetian training experiments revisited: Is there any support for the cognitive-developmental stage hypothesis? *Cognition*, 2, 349-370. doi:10.1016/0010-0277(72)90039-X
- Brainerd, C. J. (1973). Judgments and explanations as criteria for the presence of cognitive structures. *Psychological Bulletin*, 79, 172-179. doi:10.1037/h0033876
- Brainerd, C. J. (1973). Order of acquisition of transitivity, conservation, and class inclusion of length and weight. *Developmental Psychology*, 8, 105-116. doi:10.1037/h0033823
- Brainerd, C. J. (1973). The origin of number concepts. *Scientific American*, 228(3), 101-109.
- Brainerd, C. J. (1973). Mathematical and behavioral foundations of number. *Journal of General Psychology*, 11, 369-381.
- Brainerd, C. J. (1972). Reinforcement and reversibility in quantity conservation acquisition. *Psychonomic Science*, 27, 114-116.
- Brainerd, C. J. (1972). The age-stage issue in conservation acquisition. *Psychonomic Science*, 29, 115-117.
- Brainerd, C. J., & Brainerd, S. H. (1972). Order of acquisition of number and quantity conservation. *Child Development*, 43, 1401-1406. doi:10.1111/1467-8624.ep12114941
- Brainerd, C. J. (1971). The development of the proportionality scheme in children and adolescents. *Developmental Psychology*, 5, 469-476. doi: 10.1037/h0031604
- Brainerd, C. J., & Allen, T. W. (1971). Experimental inductions of the conservation of "first-order" quantitative invariants. *Psychological Bulletin*, 75, 128-144. doi:10.1037/h0030364
- Brainerd, C. J., & Allen, T. W. (1971). Training and transfer of density conservation: Effects of feedback and consecutive similar stimuli. *Child Development*, 42, 693-704. doi: 10.1111/1467-8624.ep7250391
- Brainerd, C. J. (1970). Continuity and discontinuity hypotheses in studies of conservation. *Developmental Psychology*, 3, 225-228. doi: 10.1037/h0029578
- Brainerd, C. J. (1969). Perceived experiential correlates of apperceptively measured self-evaluations and affects in the late adolescent female. *Developmental Psychology*, 1, 179. doi: 10.1037/h0027018
- Brainerd, C. J. (1969). Perceptions of parental behavior as predictors of a personal worth criterion. *Journal of Rational Living*, 4, 17-19.

*Books/Monographs*

- Brainerd, C. J., & Reyna, V. F. (2005). *The science of false memory*. New York: Oxford University Press.
- Stein, N. L., Ornstein, P. A., Tversky, B., & Brainerd, C. J. (Eds.), (1997). *Memory for everyday and emotional events*. Hillsdale, NJ: Erlbaum.
- Dempster, F. N., & Brainerd C. J. (Eds.), (1995). *Interference and inhibition in cognition*. New York: Academic Press.
- Howe, M. L., Brainerd, C. J., & Reyna, V. F. (Eds.), (1992). *Development of forgetting*. New York: Springer-Verlag.
- Brainerd, C. J., Reyna, V. F., Howe, M. L., & Kingma, J. (1990). The development of forgetting and reminiscence. *Monographs of the Society for Research in Child Development*, 53, 2-3 (Whole No. 222).
- Howe, M. L., Stones, M. J., & Brainerd, C. J. (Eds.), (1990) *Cognitive and behavioral performance factors in atypical aging*. New York: Springer-Verlag.
- Howe, M. L., & Brainerd, C. J. (Eds.), (1988). *Cognitive development in adulthood*. New York: Springer-Verlag.
- Bisanz, J., Brainerd, C. J., & Kail, R. V. (Eds.), (1987). *Formal models in developmental psychology*. New York: Springer-Verlag.
- Brainerd, C. J., & Pressley, M. (Eds.), (1985). *Basic processes in memory development*. New York: Springer-Verlag.
- Pressley, M., & Brainerd, C. J. (Eds.), (1985). *Cognitive learning and memory in children*. New York: Springer-Verlag.
- Brainerd, C. J., & Reyna, V. F. (Eds.), (1985). *Developmental psychology: Proceedings of the 23rd International Congress of Psychology*. Amsterdam: North Holland.
- Brainerd, C. J. (Ed.), (1983). *Recent advances in cognitive-developmental theory*. New York: Springer-Verlag.
- Brainerd, C. J. (Ed.), (1982). *Children's logical and mathematical cognition*. New York: Springer-Verlag.
- Brainerd, C. J., & Pressley, M. (Eds.), (1982). *Verbal processes in children*. New York: Springer-Verlag.
- Brainerd, C. J. (1979). *The origins of the number concept*. New York: Praeger.

- Brainerd, C. J. (1978). *Piaget's theory of intelligence*. Englewood Cliffs, NJ: Prentice-Hall.
- Brainerd, C. J., & Siegel, L. S. (1978). *Alternatives to Piaget: Critical essays on the theory*. New York: Academic Press.
- Hooper, F. H., Brainerd, C. J., & Sipple, T. (1975). *Groupement structures assessment manual*. Madison, Wisconsin: Research and Development Center for Cognitive Learning.
- Brainerd, C. J., & Scontrino, M. P. (1970). *Guide to human development*. Homewood, Illinois: Dorsey Press.
- Commentaries and Reviews*
- Brainerd, C. J. (1993). Cognitive development is abrupt (but not stage-like). In H. Thomas & A. Lohaus, Modeling growth and individual differences in spatial tasks. *Monographs of the Society for Research in Child Development*, 58(9), 170-190.
- Smith, K. J., Reyna, V. F., & Brainerd, C. J. (1993, January). The debate continues. Phi Delta Kappan, 407-410.
- Reyna, V. F., Brainerd, C. J., & Bjorklund, D. F. (1990). Editorial. *Developmental Review*, 10, 1-2. doi:10.1016/0273-2297(90)90002-L
- Brainerd, C. J., & Reyna, V. F. (1988). Memory loci of suggestibility development: Comment on Ceci, Ross, and Toglia. *Journal of Experimental Psychology: General*, 117, 197-200. doi: 10.1037/0096-3445.117.2.197
- Reyna, V. F., & Brainerd, C. J. (1988). Piaget under scrutiny. *Science*, 241, 733.
- Brainerd, C. J. (1987). Modeling cognition on the other side of the Atlantic. *Contemporary Psychology*, 32, 379-380.
- Brainerd, C. J. (1983). Review of *New directions in Piagetian theory and practice*. *American Journal of Education*, May, 1983.
- Brainerd, C. J. (1982). Editorial. *Developmental Review*, 2, 209-212.
- Brainerd C. J. (1982). Reply to Perret-Clermont. *The Behavioral and Brain Sciences*, 5.
- Brainerd, C. J. (1981). Stages II. A review of *Beyond universals in cognitive development*. *Developmental Review*, 1981, 1, 63-81.
- Brainerd, C. J. (1980). Review of *Logical development in children*. *American Scientist*.
- Brainerd, C. J. (1980). Deja vu. *The Behavioral and Brain Sciences*, 3.

- Brainerd, C. J. (1979, fall). Symposium on the future of Piagetian psychology. *Genetic Epistemologist*.
- Brainerd, C. J. (1979). Commentary. In L. Hood & L. Bloom, what, when, and how about why: A longitudinal study of early expressions of causality. *Monographs of the Society for Research in Child Development*, 44, 6 (Whole No. 181).
- Brainerd, C. J. (1979). Review of *Psychological aspects of cognitive growth*. *American Scientist*.
- Brainerd, C. J. (1978). Reply to Bond. *Interchange*, Summer 1978.
- Brainerd, C. J. (1978, summer). Recent NeoPiagetian learning research. *Genetic Epistemologist*.
- Brainerd, C. J. (1976). A worthy addition. *Contemporary Psychology*, September.
- Brainerd, C. J. (1976). Concerning Macnamara's analysis of Piaget's theory of number. *Child Development*, 47, 893-896.
- Brainerd, C. J. (1976). Measuring the ordination  $\rightarrow$  cardination sequence. *Psychological Reports*, 88, 1266.
- Brainerd, C. J. (1975, December). Identity and reversibility reprised. *Contemporary Psychology*.
- Brainerd, C. J. (1975). Rejoinder to Bingham-Newman and Hooper. *American Educational Research Journal*, 11, 389-394.
- Brainerd, C. J. (1974). Postmortem on judgments, explanations, and Piagetian cognitive structures. *Psychological Bulletin*, 81, 70-71.
- Brainerd, C. J. (1974, January). Behavioral development underdetermined. *Contemporary Psychology*.
- Brainerd, C. J. (1974, July). Piaget for the uninitiated. *Contemporary Psychology*.
- Brainerd, C. J. (1971). Imagery as a dependent variable. *American Psychologist*, 26, 599-600.

## **PRESENTATIONS TO LEARNED SOCIETIES**

- Are Guilty and not innocent the same? How question framing affects showup performance. Poster presented at American Psychology and Law Society Virtual Meeting, March, 2021.

Old ≠ not-new and new ≠ not-old. Paper presented Psychonomic Society Virtual Meeting, November, 2020.

Examining the Role of Absolute and Relative Judgments in Identifications from Repeated Lineups. Poster presented Psychonomic Society Virtual Meeting, November, 2020.

Higher semantic ambiguity leads to better recall in addition to higher semantic intensity. Poster presented Psychonomic Society Virtual Meeting, November, 2020.

Creating false memories: Norms for survival-related word lists. Poster presented Psychonomic Society Virtual Meeting, November, 2020.

True and false memories for risk information about hydroxychloroquine (and methotrexate) among young adults and patients: A fuzzy-trace theory approach. Paper presented at Society for Medical Decision Making, Virtual Meeting, October, 2020.

Quantum memory. Paper presented at Psychonomic Society, Montreal, November, 2019

Dual-retrieval models and metamemory in younger and older adults. Poster presented at Psychonomic Society, Montreal, November, 2019.

Fuzzy-trace theory and lifespan development. G. Stanley Hall Award Address, American Psychological Association, Chicago, August, 2019.

The role of absolute versus relative judgments in the confidence-accuracy relationship. Poster presented at American Psychology and Law Society, March 2019.

Super-overdistribution in episodic memory. Poster presented at Psychonomic Society, New Orleans, LA, November, 2018.

Memory for medical procedures in diabetic children and adolescents. Poster presented at Psychonomic Society, New Orleans, LA, November, 2018.

Comparing the dud effect in simultaneous and sequential lineups. Poster presented at Psychonomic Society, New Orleans, LA, November, 2018.

Decision-relevant memory for health information: A conjoint-recognition model based on fuzzy-trace theory. Poster presented at Society for Judgement and Decision Making, New Orleans, LA, November, 2018.

Developmental reversals in false memory and reasoning illusions. Paper presented as part of the symposium, "When Man Bites Dog: What do Developmental Reversals Tell Us About Cognitive Development, Aging, and the Brain?" Psychonomic Society, Vancouver, British Columbia, November, 2017.

Complementarity in False Memory Illusions. Paper presented at Psychonomic Society, Vancouver, British Columbia, November, 2017.

Negative arousing moods reduce false recognition. Poster presented at Psychonomic Society, Vancouver, British Columbia, November, 2017.

Is familiarity really a fast process? A model-based approach to the relative speed of retrieval processes. Poster presented at Psychonomic Society, Vancouver, British Columbia, November, 2017.

Developmental changes in witness' false memories. Paper presented as part of the symposium, "Developmental differences across memory paradigms: Can we generalize from the lab to the courtroom?", American Psychological Association, Washington, DC, August 2017.

Remembering words versus events: Associations between suggestibility and true and false memory. Paper presented as part of the symposium, "Developmental differences across memory paradigms: Can we generalize from the lab to the courtroom?", American Psychological Association, Washington, DC, August 2017.

Dual recollection theory. Paper presented at Psychonomic Society, Boston, MA, 17-20 November 2016.

Retrieval processes in mood-related false memory. Poster presented at Psychonomic Society, Boston, MA, 17-20 November 2016.

The processes behind memory fallacies: An investigation of in memory disjunction and conjunction illusions. Poster presented at Psychonomic Society, Boston, MA, 17-20 November 2016.

Memory illusions: Categorical judgments produce them, confidence ratings reduce them. Paper presented at the annual meeting of the Psychonomic Society, Chicago, IL (November, 2015).

Process effects of discrete emotions on false memory for pictures. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL (November, 2015).

Memory is illogical too: Disjunction and conjunction illusions in episodic memory. Paper presented at the annual meeting of the Psychonomic Society, Long Beach, CA (November, 2014).

Negative emotion as gist: Evidence from picture recognition. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA (November, 2014).

Dual-retrieval conceptions of free recall. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA (November, 2014).

Fuzzy-trace theory and cognitive development. First Jean Piaget Conference, University of Geneva, Geneva, Switzerland (June, 2014).

Murder must memorize. Paper presented as part of the symposium, “Memory & the law: Lessons from cases,” Psychonomic Society, Toronto, Canada, November 2013.

Disfunction fallacies in episodic memory. Poster presented at the Psychonomic Society, Toronto, Canada, November, 2013.

Individualized measurement of dual-retrieval processes in neurocognitive impairment. Paper presented at the Psychonomic Society, Toronto, Canada, November, 2013.

Dual process in recall. Paper presented at the Psychonomic Society, Minneapolis, MN, November, 2012.

Colored by intuition: How gist-based “false” memories support adaptive judgments and decisions. Paper presented at the Psychonomic Society, Minneapolis, MN, November, 2012.

A low-burden tool for measuring memory declines in healthy aging and neurocognitive impairment. Poster presented at the Psychonomic Society, Minneapolis, MN, November, 2012.

Modeling episodic memory declines in Alzheimer’s dementia and mild cognitive impairment: Differential characterization and early identification. Paper presented at the Psychonomic Society, Seattle, WA, November, 2011.

Emotional recall: A dual-trace analysis. Poster presented at the Psychonomic Society, Seattle, WA, November, 2011.

How does emotion affect developmental reversals in false memory? Paper presented as part of the symposium, “Children’s memory for emotional information,” Society for Research in Child Development, Montreal, Quebec, Canada, April, 2011.

Memory is irrational, too: Disjunction fallacies in episodic memory. Paper presented at Psychonomic Society, St. Louis, MO, November, 2010.

Disjunction fallacies in probability judgments about the past and future. Paper presented at Psychonomic Society, St. Louis, MO, November, 2010.

Do Backward Associations Cause False Recall? Poster presented at Psychonomic Society, St. Louis, MO, November, 2010.

False memory across the life-span. Plenary address, 19<sup>ème</sup> Cours Avancé des Archives Jean Piaget: Thinking, Rationality, and Development, Geneva, Switzerland, July, 2010.



Mood effects on semantic memory for word emotionality. Poster presented at Association for Psychological Science, Boston, MA, May, 2010.

Disjunction fallacies in episodic memory: Integrating fuzzy-trace theory and support theory. Paper presented at Psychonomic Society, Boston, MA, November, 2009.

A new model and data on early memory development. Paper presented at Psychonomic Society, Boston, MA, November, 2009.

New modeling procedures, with data on aging, cognitive impairment, and psychosis. Paper presented at Psychonomic Society, Boston, MA, November, 2009.

Measuring true and phantom recollection in younger and older adults with fuzzy-trace theory's dual-retrieval model. Paper presented at Psychonomic Society, Boston, MA, November, 2009.

Reversing developmental reversals in false memory. Paper presented at Psychonomic Society, Boston, MA, November, 2009.

Distinguishing true from false memories in forensic contexts: Can phenomenology tell us what's real? Paper presented at Psychonomic Society, Boston, MA, November, 2009.

Effects of arousal and valence on children's true and false memories. Paper presented at Society for Research in Child Development, Denver, CO, April, 2009.

Developmental reversal in false memory under verbatim-processing conditions. Paper presented at Society for Research in Child Development, Denver, CO, April, 2009.

Predicting verbatim loss and gist sparing in the aged and cognitively impaired. Paper presented at Psychonomic Society, Chicago, IL, November, 2008.

Emotion and false memory: The Cornell/Cortland norms. Paper presented at Psychonomic Society, Chicago, IL, November, 2008.

Child-normed category materials produce age differences in false memories. Poster presented at Psychonomic Society, Chicago, IL, November, 2008.

Distinguishing true from false memories: Gist-based processing predicts ability to use phenomenology to discriminate memory. Poster presented at Psychonomic Society, Chicago, IL, November, 2008.

Rejection by familiarity, rejection by recollection. Poster presented at Psychonomic Society, Chicago, IL, November, 2008.

How do valence and arousal affect false memory? A context-target framework. Poster presented at American Psychological Society, Chicago, IL, November, 2008.

Semantic basis of the false memory illusion. Paper presented at Psychonomic Society, Long Beach, CA, November, 2007, November, 2008.

Recollection of details never experienced: The effects of encoding and age. Paper presented at Psychonomic Society, Long Beach, CA, November, 2007.

Emotion and delay effects on false memories. Paper presented at Psychonomic Society, Long Beach, CA, November, 2007.

Dual processes and development: Explaining contradictory relations between risk taking and risk perception. Paper presented at Psychonomic Society, Long Beach, CA, November, 2007.

Gist effects of emotion on true and false memory. Paper presented at Psychonomic Society, Long Beach, CA, November, 2007.

Pinpointing the process effects of emotion on false memory. Paper presented at the joint meeting of the Psychonomic Society and the Experimental Psychology Society, Edinburgh, Scotland, July, 2007.

False memories about true emotions: The effect of emotional labeling on memory. Paper presented at the joint meeting of the Psychonomic Society and the Experimental Psychology Society, Edinburgh, Scotland, July, 2007.

Developmental reversals in false memory. Paper presented as part of the symposium, "False memory increases from childhood to adulthood: Why are children more accurate?" Society for Research in Child Development, Boston, MA, April, 2007.

Measuring dual-retrieval processes in aging and cognitive impairment. Paper presented at Psychonomic Society, Houston, TX, November, 2006.

Repeated measures conjoint recognition. Paper presented at Psychonomic Society, Houston, TX, November, 2006.

Emotion and false memory. Paper presented at Psychonomic Society, Houston, TX, November, 2006.

Memory illusions for conjunctions in children and adults: The effect of thematic context. Paper presented at Psychonomic Society, Houston, TX, November, 2006.

Recollection rejection of constructed false memories. Paper presented at Psychonomic Society, Toronto, Ontario, Canada, November, 2005.

Effects of retrieval practice on false recall. Paper presented at Psychonomic Society, Toronto, Ontario, Canada, November, 2005.

Memory illusions and repeated testing in children: The reversed DRM effect. Paper presented at Psychonomic Society, Toronto, Ontario, Canada, November, 2005.

Generating study items increases older children's reliance on gist and younger children's reliance on verbatim memories. Paper presented at Psychonomic Society, Toronto, Ontario, Canada.

Evaluating adult theories of false memory with developmental data. Paper presented at Psychonomic Society, Minneapolis, MN, November, 2004.

Conjoint recognition and the development of recollection and familiarity. Paper presented as part of the symposium, "Development of recollection and familiarity," Cognitive Development Society, San Diego, CA, October, 2005.

What theories of memory tell us about the brain: Aging, development and impairment. Presented at the Armadillo Southwest Cognition Conference, Arlington, TX, October, 2004.

What theories of memory tells us about the brain: Implications for aging, development, and impairment. Invited plenary address, American Psychological Association, Honolulu, HI, July, 2004.

Reducing false memories: recollection rejection, distinctiveness, and metacognition. Paper presented at Psychonomic Society, Vancouver, BC November, 2003.

Developmental changes in false memory following gist cuing and verbatim repetition. Paper presented at Psychonomic Society, Vancouver, BC November, 2003.

Measuring true and phantom recollection with fuzzy-trace theory's dual-retrieval model. Paper presented at Psychonomic Society, Vancouver, BC November, 2003.

Fuzzy-trace theory and false-memory editing. Paper presented as part of the symposium "Mechanisms underlying the rejection of false memories," Society for Research in Child Development, Tampa, FL, April, 2003.

Gist cuing increases the false memory illusion in children. Paper presented at Society for Research in Child Development, Tampa, FL, April, 2003.

Predictive control of false memories. Paper presented as part of the Ellis-Battig Memory Symposium, Rocky Mountain Psychological Association, Denver, CO, April, 2003.

Are young children susceptible to the false-memory illusion. Paper presented at Psychonomic Society, Kansas City, MO, November, 2002.

Recollection rejection. Paper presented at Psychonomic Society, Orlando, FL, November, 2001.

Phantom recall. Paper presented at Psychonomic Society, Orlando, FL, November, 2001.

Directed forgetting of false memories: Comparing implicit associative responses and fuzzy-trace theory. Paper presented at Psychonomic Society, Orlando, FL, November, 2001.

Phantom recollection in children and adolescents. Paper presented at Psychonomic Society, Orlando, FL, November, 2001.

Fuzzy-trace theory and false memory, Invited Address, American Psychological Association, San Francisco, August, 2001.

Recollection rejection: Can young children spontaneously suppress false-memory reports? Paper presented as part of the symposium, "Current directions in forensic child psychology," Society for Research in Child Development, Minneapolis, MN, April, 2001.

Developmental trends in false memory. Paper presented as part of the symposium, "Developmental changes in false memory formation," Society for Research in Child Development, Minneapolis, MN, April, 2001.

Phantom recollection of words. Paper presented at Psychonomic Society, New Orleans, LA, November, 2000.

Test and dual-retrieval model of veridical and false recall. Paper presented at Psychonomic Society, New Orleans, LA, November, 2000.

Predicting individual differences in false memories. Poster presented at Psychonomic Society, New Orleans, LA, November, 2000.

Dual-retrieval processes in recall. Paper presented at Psychonomic Society, Los Angeles, CA, November, 1999.

Children's retention of true and false memories: The role of trace decay. Paper presented as part of the symposium, "Stability and change in children's memory over time: The impact of internal and external events during the retention interval," Society for Research in Child Development, Albuquerque, New Mexico, April, 1999.

False recollection of specific experience. Paper presented at Psychonomic Society, Dallas, TX, November, 1998.

When truth is stranger than fiction. Paper presented at Psychonomic Society, Philadelphia, PA, November, 1997.

Modeling techniques for measuring conscious and unconscious memory. Workshop presented at the Society for the Scientific Study of Consciousness, Claremont, CA, May, 1997.

Why the verbatim-gist distinction is fundamental to memory. Invited address presented at Rocky Mountain Psychological Association, Reno, Nevada, April, 1997.

Persistence of children's false memories. Paper presented as part of the symposium, "Child abuse: The psychology/law interface," Society for Research in Child Development, Washington, DC, April, 1997.

A quarter-century of memory development research, Symposium presented at Society for Research in Child Development, Washington, DC, April, 1997.

Conjoint recognition. Paper presented at Psychonomic Society, Chicago, IL, November, 1996.

Children's memories of sexual abuse, Invited address presented at American Professional Society on the Abuse of Children, Tucson, AZ, September, 1996.

Jury reform: How is it working? Symposium presented at Arizona Bar Association, Tucson, AZ, June, 1996.

How children's true memories create false-memory responses. Paper presented as part of the symposium "Neointerference theory," American Psychological Society, New York, NY, July, 1995.

Children's false memories: Theory and data. Symposium presented at Society for Research in Child Development, Indianapolis, IN, March, 1995.

When is similarity distinctive? Paper presented at Psychonomic Society, St. Louis, MO, November, 1994.

Principles of fuzzy-trace theory. Orientation lecture presented at Society for Research in Child Development, New Orleans, LA, March, 1993.

New perspectives on the development of intuition. Symposium presented at Society for Research in Child Development, New Orleans, LA, March, 1993.

Fuzzy-trace theory: Principles and prospects. Invited address, Western Psychological Association and Rocky Mountain Psychological Association, Phoenix, AZ, April, 1993.

Developmental dissociations between verbatim and gist memories. Paper presented at Psychonomic Society, Washington, DC, November, 1993.

Memory interference in cognitive development. Paper presented as part of the symposium, "The basic processes revolution in memory development: The case of interference," American Psychological Association, Washington, DC, August, 1992.

The development of autosuggestibility in memory. Paper presented at Psychonomic Society, St. Louis, MO, November, 1992.

Age differences in recalling relevant and irrelevant information. Paper presented at

- Southwestern Society for Research in Human Development, 1992.
- Theory and method in the study of children's cognitive triage. Paper presented at Society for Research in Child Development, Seattle, WA, April, 1991.
- Theories of cognitive development for the 1990s. Symposium presented at Society for Research in Child Development, Seattle, WA, April, 1991.
- Development of working memory. Symposium presented at International Society for the Study of Behavioral Development, Minneapolis, MN, July, 1991.
- Fuzzy-trace theory. Paper presented as part of the symposium, "Development of working memory," International Society for the Study of Behavioral Development, Minneapolis, MN, July, 1991.
- Fuzzy-trace theory and developmental stability in reminiscence. Paper presented at Psychonomic Society, San Francisco, CA, November, 1991.
- Children's eyewitness recall. Address delivered to the Arizona Psychological Association, Tucson, AZ, October, 1990.
- Triage III. Paper presented at Psychonomic Society, New Orleans, LA, November, 1990.  
Development of forgetting: A disintegration/redintegration theory. Paper presented as part of the symposium, "Children's ability to remember witnessed events: Theoretical and applied perspectives," Society for Research in Child Development, Kansas City, April, 1989.
- A disintegration/redintegration theory of suggestibility in children's memory. Invited address at the American Psychological Association conference, "How suggestible is children's memory?" Cornell University, June, 1989.
- Fuzzy-trace theory and children's cognitive triage. Paper presented at Psychonomic Society, Atlanta, GA, November, 1989.
- V curves in memory development. Paper presented at Psychonomic Society, Chicago, November, 1988.
- On the relationship between memory and judgment in opinion change. Paper presented at Psychonomic Society, Seattle, November, 1987.
- Development of forgetting from long-term memory. Paper presented at Psychonomic Society, Boston, November, 1986.
- Structural measurement theory and cognitive development. Paper presented as part of the Conference "Formal Modeling Techniques in Cognitive Development," Edmonton, May 1985.

Working memory and cognitive development. Kendon Smith Lecture, University of North Carolina, April, 1984.

Long-term memory deficits in learning-disabled children. Paper presented as part of the symposium, "Atypical Cognitive Development," Canadian Psychological Association, Ottawa, June, 1984.

Historical issues in children's concept learning. Paper presented as a part of the symposium, "Children's Concept Learning," International Congress of Psychology, Acapulco, Mexico, September, 1984.

Independence of reasoning and short-term memory in children's problem solving. Paper presented as part of the symposium, "After Piaget," International Congress of Psychology, Acapulco, Mexico, September, 1984.

Do children have to remember to reason? Paper presented at Psychonomic Society, San Antonio, November, 1984.

Independence of transitive reasoning and premise memory in children. Society for Research in Child Development, Detroit, April, 1983.

Stages-of-learning analysis of developmental interactions in recall. Society for Research in Child Development, Detroit, April, 1983.

Memory and cognitive development. Paper presented as part of the symposium "Recent Advances in Cognitive Development Research," Canadian Psychological Association, Winnipeg, June, 1983.

Locus of working-memory failures in classificatory and ordering concepts. Merrill-Palmer Society, Detroit, May, 1982.

The principle of aggregation in psychology. Merrill-Palmer Society, Detroit, May, 1982.

Working-memory analysis of children's mental arithmetic. Paper presented as part of the symposium, "Early Number Concepts," Society for Research in Child Development, Boston, April, 1981.

Working memory and children's probability judgments. Society for Research in Child Development, Boston, April, 1981

Model invariance in the developmental analysis of memory. Paper presented as part of the symposium, "Experimental Analysis of Memory Development," American Educational Research Association, Los Angeles, April, 1981.

Piaget and education. NATO Advanced Study Institute on Adaptive Systems, Devon, England,

June, 1981.

The future of Piagetian psychology. Paper presented as part of the symposium "The Future of Piagetian Psychology," Society for Research in Child Development, San Francisco, March, 1979.

A quantitative framework for the study of children's intermediate size discrimination and transposition. Society for Research in Child Development, San Francisco, March, 1979.

A comparison of two theories of cognitive development during the school years. American Educational Research Association, San Francisco, April, 1979.

Mathematical models for conservation acquisition. Paper presented as part of the symposium, "Theoretical Approaches to Conservation Acquisition," American Educational Research Association, San Francisco, April, 1979.

A Neo-Piagetian approach to concept learning. Paper presented as part of the symposium, "New Approaches to Concept Learning," Midwestern Psychological Association, May, 1978.

The role of development in instructional theory. Paper presented as part of the symposium "Instructional Theory II," American Educational Research Association, New York, April, 1977.

The developmental analysis of children's concept learning. NATO Advanced Study Institute, "Structural/Process Models of Complex Behavior," Banff, Alberta, June, 1977.

Group theory and discrimination shift behavior. NATO Advanced Study Institute, "Structural/Process Models of Complex Human Behavior," Banff, Alberta, June, 1977.

Prior knowledge of rules and concept learning. Paper presented as part of the symposium "How Does Human Learning Take Place?" American Educational Research Association, Washington, April, 1975.

Logical and empirical foundations of the ordinal theory of number development. Paper presented as part of the symposium "Basic Mathematical Concepts in Children," American Educational Research Association, Washington, April, 1975.

On the validity of propositional logic as a model for adolescent intelligence. Paper presented as part of the symposium "New Perspectives in Formal Operations Reasoning," Society for Research in Child Development, Denver, April, 1975.

Analysis and synthesis of research on children's ordinal and cardinal number concepts. Paper presented as part of the Conference on Number and Measurement, Center for the Study of Learning and Teaching Mathematics, University of Georgia, April, 1975.

The long-term memory improvement effect: Memory improvement or concept development?



Fifth Annual Interdisciplinary Conference on Structural Learning, Philadelphia, April, 1974.

Structures of the whole: Is there any glue to hold the concrete-operational stage together? Paper presented as part of the symposium "Development of Logical and Quantity Concepts," Canadian Psychological Association, Windsor, June, 1974.

The concept of structure in cognitive-developmental theory. Paper presented as part of the symposium "Structural Psychology: Indications of Convergence Toward a New Paradigm," American Psychological Association, New Orleans, August-September, 1974.

Structures of thought in middle-childhood: Recent research on Piaget's concrete-operational groupements. Third Annual Interdisciplinary Conference on Structural Learning, Philadelphia, March-April, 1973.

Evolution of number. Fourth Annual Interdisciplinary Conference on Structural Learning, Philadelphia, April, 1973.

Structure and cognitive-developmental explanation. Paper presented as part of the symposium "Cognitive Development Throughout the Life Span," International Society for the Study of Behavioral Development, Ann Arbor, August, 1973.