

VITA

Keith Rayner
Atkinson Professor of Psychology
University of California, San Diego
Email: krayner@ucsd.edu
Phone: 858-822-7816

Degrees:

B.S.: 1968	Psychology	University of Utah
M.S.: 1970	Ed Psychology	University of Utah
Ph.D.: 1974	Cognitive Psych	Cornell University
	Ed Psychology	
	Psycholinguistics	

Relevant Work Experience:

1973-78	University of Rochester	Assistant Professor of Education, Psychology, and Visual Science
1978-81	University of Massachusetts	Associate Professor of Psychology
1981-83	University of Massachusetts	Director, Center for Cognitive Science
1984-85	Oxford University, England	Visiting Professor
1987-88	Netherlands Institute for Advanced Study	Invited Visiting Fellow
1981-1991	University of Massachusetts	Professor of Psychology
2001-2002	University of Durham	Leverhulme Visiting Professor
2002-2007	University of Durham	Honorary Professor
2004-present	Tianjin Normal University	Honorary Professor
2007-present	University of Southampton	Honorary Professor
1991-2008	University of Massachusetts	Distinguished University Professor
2008-present	University of Massachusetts	Emeritus Distinguished Professor
2009	University of Potsdam	Visiting Humboldt Professor
2011	University of Dundee	Visiting Carnegie Centennial Professor
2008-present	University of California, San Diego	Atkinson Family Professor of Psychology

Honors:

Creative Talent Award, American Institute for Research, Outstanding Psychology Dissertation, 1974
Distinguished Faculty Lecture Series, University of Massachusetts, 1991
Faculty Fellowship, University of Massachusetts, 1991-92
Outstanding Scientist Award, Society for the Scientific Study of Reading, 1996.
Leverhulme Visiting Professor, University of Durham, 2001-2002
Elected Member, Society of Experimental Psychology, 2003
Web of Science Most Frequently Cited List for Psychology and Psychiatry, 2003-2007
Chancellor's Lifetime Achievement Award, University of Massachusetts, 2006
Bartlett Lecture, Lifetime Achievement Award from the Experimental Psychology Society, 2007
Alexander Von Humboldt Foundation Research Award, 2009
Chancellor's Associates Research Award, University of California, San Diego, 2010
Carnegie Centennial Professor for Scotland, 2011

American Literacy Association Lifetime Achievement Award, 2013
Chinese Academy of Science Distinguished Visiting Professor, 2013-2016
Federation of Associations in Behavioral & Brain Sciences (FABBS) Award, 2013
William James Award for Lifetime Achievement, Association for Psychological Science, 2014
Women in Cognitive Science, Outstanding Mentor Award, 2014
APA Division 3 Lifetime Achievement Award, 2014

Professional Organizations:

American Psychological Association (Fellow)
American Psychological Society (Fellow)
Society of Experimental Psychology
Experimental Psychology Society (England)
Psychonomic Society
Society for the Scientific Study of Reading
European Society of Cognitive Psychology

Professional Activities:

Editor, **Journal of Experimental Psychology: Learning, Memory, and Cognition**, 1990-1995
Editor, **Psychological Review**, 2004-2010.
Member, Governing Board of the Psychonomic Society, 1995-2001 (Chair, 2001).
Member, Publications Board of the Psychonomic Society, 1995-2000 (Chair, 1998-2000).
Member, Publications Committee, APA, 2002-2003.
Member, Human Development Study Section 1, National Institute of Health, 1981-1985
Ad-Hoc Member, Human Development Study Section 3, NIH, 1992-98.
Chair, NIH Study Section, ZRG1 BBBP-3, 1999-2003
Member, Advisory Council, Association for the Study of Attention and Performance, 1986-1996.
Member, NSF Oversight Review Committee for Cognitive Science, 1987.
Member, Psychology Department Visiting Committee, Lehigh University, 1990-1994.
Member, APA Early Career Award Panel, 1992
Chair, Search Committee for Editor of **Memory & Cognition**, 1996.
Chair, Search Committee for Editor of **Cognitive, Affective, and Behavioral Neuroscience**, 1999
Member, Search Committee for Editor of **Journal of Experimental Psychology: HPP**, 2003.
Member, Search Committee for Editor of **Journal of Experimental Psychology: LMC**, 2005.
Member, Search Committee for Editor of **Psychonomic Bulletin & Review**, 2005.
Editorial Board, **Cognitive Psychology**, 1999-2005 (Action Editor)
Editorial Board, **Memory & Cognition**, 1981-1989
Editorial Board, **Reading Research Quarterly**, 1978-1981; 1985-89, 2007-2012.
Editorial Board, **Journal of Memory and Language**, 1985-89, 1996-2004-2014.
Editorial Board, **Journal of Experimental Psychology: HPP**, 1982-1989, 2000-2003.
Editorial Board, **Journal of Experimental Psychology: LMC**, 1996-2004
Editorial Board, **Journal of Experimental Child Psychology**, 1983-1985
Editorial Board, **Brain & Cognition**, 1982-1989
Editorial Board, **Psychonomic Bulletin & Review**, 1996-2004.
Editorial Board, **Psychological Science**, 2000-2003, 2012-2014

Editorial Board, **Journal of Educational Psychology**, 1983-1989
Editorial Board, **Developmental Neuropsychology**, 1985-1989
Editorial Board, **Perception & Psychophysics**, 2000-2004
Editorial Board, **British Journal of Psychology**, 2000-2005 (Action Editor)
Editorial Board, **European Journal of Cognitive Psychology**, 2001-2003 (Action Editor)
Editorial Board, **Visual Cognition**, 2006-2014
Editorial Board, **Psychological Review**, 2011-2014
Guest Editor, **Visible Language**, 1981
Guest Editor, **Journal of Research in Reading**, 2013
Guest Editor, **School Psychology Review**, 2013
Guest Editor, **Visual Cognition**, 2013-2014

Occasional reviewer for National Science Foundation, British Grant review panels, Belgium grant review panels, German grant review panels, Dutch grant review panels, Canadian grant review panels, and numerous journals

External Evaluator:

External evaluator for 5 Ph.D dissertations in England, 2 in Scotland, 4 in Belgium, 3 in the Netherlands, 2 in Canada, 2 in the United States, and 1 in China.

Department Evaluator:

External review committees for the Psychology Department at the following: University of Missouri, Lehigh University, Brigham Young University, Massachusetts Institute of Technology, University of Wisconsin, Brooklyn College, Chinese University of Hong Kong, University of Oxford (UK), University of Binghamton, Washington University, Brandeis University.

Graduate Students Supervised:

Susan Ehrlich (AT&T), Francis Pirozzolo (Baylor School of Medicine), Jung-Oh Kim (Seoul National University, Korea), Young-Ai Lee (Ewha Womens University, Korea), Albrecht Inhoff (Binghamton University), Robert Morrison (IBM), Robin Morris (University of South Carolina), Peter DeGraef (University of Leuven, Belgium), Sara Sereno (University of Glasgow, UK), John Henderson (University of South Carolina), Hye-Won Lee (Ewha Womens University, Korea), Martin Fischer (University of Potsdam, Germany), Erik Reichle (University of Southampton, UK), Gretchen Kambe (Microsoft), Brett Miller (NIH), Barbara Juhasz (Wesleyan University), Jane Ashby (Central Michigan University), Rebecca Johnson (Skidmore College), Adrian Staub (University of Massachusetts), Xingshan Li (Institute of Psychology, China Academy of Science), Jinmian Yang (Beijing Normal University), Jing Shen (Northwestern University), Elizabeth Schotter (University of California, San Diego), Bernhard Angele (Bournemouth University, UK), Emily Higgins (current), Mallorie Leinenger (current), Patrick Plummer (current), Matthew Abbott (current).

Post-docs Supervised:

David Balota (Washington University), Kate Ehrlich (Honewell), Steven Dopkins (George Washington University), Gary Raney (University of Illinois, Chicago), Jeannette Altarriba (SUNY-Albany), Susan Duffy (University of Massachusetts, deceased), Stacy Birch (SUNY-Brockport), Harry Blanchard (AT&T), Debra Jared (University of Western Ontario, Canada), Katherine Binder (Mount Holyoke College), Anne Cook (University of Utah), Avital Deutsch (Hebrew University, Israel), Harold Greene (University of Detroit), Matt Starr (IBM), Jennifer Wiley (University of Illinois, Chicago), Gouli Yan (Tianjin Normal University, China), Tessa Warren (University of Pittsburgh), Steven Frisson (University of Birmingham, UK), Kiel Christianson (University of Illinois), Carrick Williams (Mississippi State University), Sarah White (University of Leicester, UK), Kristin Weingartner (Hofstra University), Denis Drieghe (University of Southampton, UK), Matt Collins (Nova Southeastern University), Hazel Blythe (University of Southampton, UK), Monica Castelhana (Queen's University, Canada), Tim Slattery (University of South Alabama), Susanne Schuett (University of Vienna), Mackenzie Glaholt (Defense Research and Development, Canada), Klinton Bicknell (Northwestern University), Jinmian Yang (Beijing Normal University), Nathalie Belanger (University of California, San Diego), Elizabeth Schotter (current)

Visitors Hosted:

Manuel Perea (University of Valencia), Sally Andrews (University of Sydney), Randi Martin (Rice University), Steven Frisson (University of Birmingham), Simon Liversedge (University of Southampton), Valerie Benson (University of Southampton), Debra Titone (McGill University), Nick Wang (University of Massachusetts-Boston), Fang-Ying Yang (National Taiwan Normal University), Huizhong He (East China Normal University), Phaedra Royle (University of Montreal), Barbara Juhasz (Wesleyan University), Xingshan Li (Chinese Academy of Science), Tessa Warren (University of Pittsburgh), Erik Reichle (University of Southampton), Gayle Dede (University of Arizona)

Teaching Interests:

Cognitive Psychology, Psychology of Reading, Psycholinguistics, Perception & Attention

Research Interests:

Reading, Psycholinguistics, Eye Movements, Picture Processing, and Visual Search.

Research Support:

Current Grant Support

Linguistic Processes in Comprehension and Reading. (2011-2016). Grant HD065829 from the National Institute of Health.

Eye Movements and Text Legibility. (2003-2014). Grant from the Microsoft Corporation.

Eye Movements and Parafoveal Processing in Skilled Deaf Readers. (2010-2014). National Science Foundation Science of Learning Center Program at Gaulladet University under cooperative agreement number SBE 1041725.

Current Training Grant

Neurocognitive Approaches to Communication Disorders, (2006-2015). 5T32DC007361-09. Lewis

Shapiro (PI).

Prior Research Support

Foveal and Parafoveal Cues in Reading. Grant HD26765 from the National Institute of Health. This grant has been held since 1974. It was funded initially by NIMH (MH 25868) as a small grant and then for 9 years by NICHD (HD12727). After that, it was funded by NSF (BNS-8609336) for three years prior to the current funding period (1993-2013). This project was awarded a MERIT award from 2000-2007. I was also awarded an ARRA supplement for 2010-2011 to employ a post-doc on the project

How Language and Visual Saliency Jointly Guide Eye Movements in the Perception of Complex Scenes. With Roger Levy (Linguistics) and Nuno Vaconcelos (ECE) as Co-PIs, and Elizabeth Schotter and Bernhard Angele as student initiators, Chancellor's Interdisciplinary Collaboratives program grant (2011-2012).

Language Processes in Reading. Grant HD17246 from the National Institute of Health. This grant was held from 1979 to 2006. It was funded initially by the National Science Foundation for three years (BNS79-17600), then for three years by NICHD (HD17246), for three years again by NSF (BNS8510177), for three years by NICHD (HD17246), for three years by NSF (DBS-9121375), and for ten years (1996-2006) by NIH.

The Nature and Time Course of Phonological Representations in Reading. Grant HD051700 from the National Institute of Health, 8/1/06 – 7/31/10.

Perceptual and Language Processes in Reading. Grant MH01255 from the National Institute of Mental Health. This was a five year Research Scientist Award (1995-2000).

Stages of processing in word identification. Office of Naval Research Contract through the University of Rochester. 1976-79.

A multi-user eyetracker. Grant BNS-8609094 from the National Science Foundation. Equipment grant. 1986-87.

Eye controlled simulation of laser damage on the retina. US Army Research and Development Command. I was Co-PI (James Bertera, PI). 1984-86.

A single process theory of visual search. Grant MH 39960 from the National Institute of Mental Health. I was Co-PI (Donald Fisher, PI). 1985-88.

A conference on eye movements and visual cognition. Grant from the Air Force Office of Scientific Research. 1990.

Visualization and spatial reasoning. NSF-KDI award. This grant is a collaborative project between faculty from Mechanical Engineering, Computer Science, and Cognitive Psychology for 1 million dollars for three years. I was Co-PI on the grant (1999-2003).

Visualization and intelligent tutoring systems. General Electric Development Fund. This is a grant from GE as part of the NSF project for a half a million dollars for three years (1999-2003). I was Co-PI.

Phonological Representations in Reading. Grant HD045056 from the National Institute of Health. This grant was a pre-doctoral fellowship for graduate student Jane Ashby.

Eye Movements while Looking at Ads. Grant from Unilever Corporation (2000-2005).

Eye Movements and Friendly Type. Grant from the Cambridge Reading Project (2005).

Prior Training Grants

Training in Applied and Basic Cognition and Development. Grant MH16745 from the National Institute of Mental Health (1982-2009) awarded to the University of Massachusetts. I helped

write the original and I wrote all of the renewal applications. PI on the grant for 20 years.
Training in Psycholinguistics. Grant HD07327 from the National Institute of Child Health and Human Development (1987-2005). I helped write this Grant and was a Co-PI.
Program in Language and Information Processing. Grant from the Sloan Foundation (1979-82). I was the PI for this Cognitive Science Grant.
Training in Language Processing. Grant from NINDCS awarded to the University of California, San Diego (2007-2012); Co-PI (Marta Kutas, PI).

Books:

Rayner, K. and Pollatsek, A. (1989). *The psychology of reading*. Prentice-Hall; 1995, Erlbaum.
Rayner, K., Pollatsek, A., Ashby, J., & Clifton, C. (2012). *The psychology of reading*. Psychology Press.

Edited Books and Monographs:

Balota, D. A., Flores d'Arcais, G. B., and Rayner, K. (1990). *Comprehension processes in reading*. Hillsdale, NJ: Erlbaum.
Clifton, C.E., Frazier, L., and Rayner, K. (1994). *Perspectives on sentence processing*. Hillsdale, NJ: Erlbaum.
Rayner, K. (1981). *Visual cues in word recognition and reading*. Special issues of the journal *Visible Language*.
Rayner, K. (1983). *Eye movements in reading: Perceptual and language processes*. Academic Press.
Rayner, K. (1992). *Eye movements and visual cognition: Scene perception and reading*. Springer.
Radach, R., Kennedy, A., & Rayner, K. (2004). *Eye movements and information processing during reading*. Psychology Press.
Rayner, K., Shen, D., Bai, X., & Yan, G. (2008). *Cognitive and cultural influences on eye movements*. Tianjin People's Press/Psychology Press.
Liversedge, S.P., Hyöna, J., & Rayner, K. (2013). *Eye movements in Chinese reading*. Special issue of the *Journal of Research in Reading*.
Rayner, K., Ardoin, S.P., & Binder, K. S. (2013). *Children's eye movements during reading*. Special issue of the journal *School Psychology Review*.
Rayner, K., Loschky, L.C., & Reingold, E.M. (2014). *Eye movements and visual cognition: Honoring George McConkie*. Psychology Press. Special issue of *Visual Cognition*.

Publications:

1971

Hart, D. H., Rayner, K., & Christensen, E. R. (1971). Planning, preparation, and chance in occupational entry. *Journal of Vocational Behavior*, 1, 279-285.

1973

McConkie, G. W., Rayner, K., & Wilson, S. J. (1973). Experimental manipulation of reading strategies. *Journal of Educational Psychology, 65*, 1-8.

1974

McConkie, G. W., & Rayner, K. (1974). Manipulating reading strategies through a payoff schedule. *Journal of Reading Behavior, 6*, 9-18.

McConkie, G. W., & Rayner, K. (1974). An on-line computer technique for studying reading: Identifying the perceptual span. *23rd Yearbook of the National Reading Conference*.

1975

Rayner, K. (1975). The perceptual span and peripheral cues in reading. *Cognitive Psychology, 7*, 65-81.

Rayner, K. (1975). Parafoveal identification during a fixation in reading. *Acta Psychologica, 39*, 271-282.

Rayner, K., & Kaiser, J. (1975). Reading mutilated text. *Journal of Educational Psychology, 67*, 301-306.

Rayner, K., & Hagelberg, E. M. Word recognition cues for beginning and skilled readers. *Journal of Experimental Child Psychology, 20*, 444-445.

McConkie, G. W., & Rayner, K. The span of the effective stimulus during a fixation in reading. *Perception & Psychophysics, 17*, 578-586.

1976

Rayner, K. (1976). Developmental changes in word recognition strategies. *Journal of Educational Psychology, 68*, 323-329.

Rayner, K., & McConkie, G. W. (1976). What guides a reader's eye movements? *Vision Research, 16*, 829-837.

Posnansky, C. J., & Rayner, K. (1976). Long-term recognition memory for sentences. *Acta Psychologica, 40*, 217-231.

McConkie, G. W., & Rayner, K. (1976). Asymmetry of the perceptual span in reading. *Bulletin of the Psychonomic Society, 8*, 365-368.

McConkie, G. W., & Rayner, K. (1976). Identifying the effective stimulus during a fixation in reading: Literature review and theories of reading. In H. Singer & R. N. Ruddell (Eds.), *Theoretical models and processes of reading* (2nd ed.). Newark, DE: International Reading Association.

1977

Rayner, K. (1977). Visual attention in reading: Eye movements reflect cognitive processes. *Memory & Cognition, 5*, 443-448.

Rayner, K., & McConkie, G. W. (1977). Perceptual processes in reading: The perceptual spans. In A. Reber & D. Scarborough (Eds.), *Toward a psychology of reading*. Hillsdale, NJ: Erlbaum.

Pirozzolo, F. J., & Rayner, K. (1977). Hemispheric specialization in word recognition and reading. *Brain and Language, 4*, 248-261.

Posnansky, C. J., & Rayner, K. (1977). Visual-feature and response components in a picture-word

interference task with beginning and skilled readers. *Journal of Experimental Child Psychology*, 24,440-460.

1978

- Rayner, K. (1978). Eye movements in reading and information processing. *Psychological Bulletin*, 85, 618-660.
- Rayner, K. (1978). Foveal and parafoveal cues in reading. In J. Requin (Ed.), *Attention and Performance VII*. Hillsdale, NJ: Erlbaum.
- Rayner, K. (1978). Eye movement latencies for parafoveally presented words. *Bulletin of the Psychonomic Society*, 11, 13-16.
- Rayner, K., & Posnansky, C. J. (1978). Stages of processing in word identification. *Journal of Experimental Psychology: General*, 107, 64-80.
- Rayner, K., & Posnansky, C. J. (1978). Learning to read: Visual cues to word recognition. In A. M. Lesgold, J. W. Pellegrino, S. D. Fokkema, & R. Glaser (Eds.), *Cognitive psychology and instruction*. New York: Plenum, 1978.
- Rayner, K., McConkie, G. W., & Ehrlich, S. (1978). Eye movements and integrating information across fixations. *Journal of Experimental Psychology: Human Perception and Performance*, 4, 529-544.
- Posnansky, C. J., & Rayner, K. (1978). Visual vs. phonemic contributions to the importance of the initial letter in word identification. *Bulletin of the Psychonomic Society*, 11, 188-190.
- Pirozzolo, F. J., & Rayner, K. (1978). Disorders of oculomotor scanning and graphic orientation in developmental Gerstmann Syndrome. *Brain and Language*, 5, 119-126.

1979

- Rayner, K. (1979). Eye guidance in reading: Fixation locations in words. *Perception*, 8, 21-30.
- Rayner, K. (1979). Eye movements in reading: Eye guidance and integration. In P. A. Kollers, M. Wrolstad, & H. Bouma (Eds.), *Processing of Visible Language I*. New York: Plenum.
- Rayner, K. (1979). Eye movements and cognitive psychology: On-line computer approaches to studying visual information processing. *Behavior Research Methods and Instrumentation*, 11, 164-171.
- Rayner, K. (1979). Semantic processing of words in foveal and parafoveal vision. In M. Gruneberg, P. Morris, & B. Sykes (Eds.), *Practical aspects of memory*. London: Academic Press.
- Pirozzolo, F. J., & Rayner, K. (1979). Neural control of eye movements in acquired and developmental dyslexia In H. Avakian-Whitaker & H. A. Whitaker (Eds.), *Studies in neurolinguistics*. Academic Press.
- Pirozzolo, F. J., & Rayner, K. (1979). Cerebral organization and reading disability. *Neuropsychologia*, 17, 485-491.
- Rayner, K., & Bertera, J. H. (1979). Reading without a fovea. *Science*, 206, 468-469.

1980

- Rayner, K., McConkie, G. W., & Zola, D. (1980). Integrating information across eye movements. *Cognitive Psychology*, 12, 206-226.
- Rayner, K., Well, A. D., & Pollatsek, A. (1980). Asymmetry of the effective visual field in reading. *Perception & Psychophysics*, 27, 537-544.

- Inhoff, A. W., & Rayner, K. (1980). Parafoveal word perception: A case against semantic preprocessing. *Perception & Psychophysics*, 27, 457-464.
- Pirozzolo, F. J., & Rayner, K. (1980). Handedness, hemispheric specialization, and saccadic eye movement latencies. *Neuropsychologia*, 18, 225-229.

1981

- Rayner, K., Inhoff, A. W., Morrison, R. E., Slowiaczek, M. L., & Bertera, J. H. (1981). Masking of foveal and parafoveal vision during eye fixations in reading. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 167-179.
- Rayner, K., & Pollatsek, A. (1981). Eye movement control during reading: Evidence for direct control. *Quarterly Journal of Experimental Psychology*, 33A, 351-373.
- Rayner, K. (1981). Eye movements and the perceptual span in reading. In F. J. Pirozzolo & M. Wittrock (Eds.), *Neuropsychological and cognitive processes in reading*. Academic Press.
- Rayner, K. (1981). Visual cues in word recognition and reading: Introduction. *Visible Language*, 15, 125-127.
- Rayner, K., & Inhoff, A. W. (1981). Control of eye movements during reading. In B. L. Zuber (Ed.), *Models of oculomotor control and behavior*. West Palm Beach, FL: CRC Press.
- Rayner, K., & Morrison, R. E. (1981). Eye movements and identifying words in parafoveal vision. *Bulletin of the Psychonomic Society*, 17, 135-138.
- Rayner, K., & Slowiaczek, M. L. (1981). Expectations and parafoveal information in reading: Comments on McClelland and O'Regan. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 645-651.
- Ehrlich, S. F., & Rayner, K. (1981). Contextual effects on word recognition and eye movements during reading. *Journal of Verbal Learning and Verbal Behavior*, 20, 641-655.
- Morrison, R. E., & Rayner, K. (1981). Saccade size in reading depends upon character spaces and not visual angle. *Perception & Psychophysics*, 30, 395-396.
- Pollatsek, A., Bolozky, S., Well, A. D., & Rayner, K. (1981). Asymmetries in the perceptual span for Israeli readers. *Brain and Language*, 14, 174-180.

1982

- Frazier, L., & Rayner, K. (1982). Making and correcting errors during sentence comprehension: Eye movements in the analysis of structurally ambiguous sentences. *Cognitive Psychology*, 14, 178-210.
- Pollatsek, A., & Rayner, K. (1982). Eye movement control during reading: The role of word boundaries. *Journal of Experimental Psychology: Human Perception and Performance*, 8, 817-833.
- Rayner, K., Well, A. D., Pollatsek, A., & Bertera, J. H. (1982). The availability of useful information to the right of fixation in reading. *Perception & Psychophysics*, 31, 537-550.

1983

- Rayner, K., Carlson, M., & Frazier, L. (1983). The interaction of syntax and semantics during sentence processing: Eye movements in the analysis of semantically biased sentences. *Journal of Verbal Learning and Verbal Behavior*, 22, 358-374.
- Rayner, K., Slowiaczek, M. L., Clifton, C., & Bertera, J. H. (1983). Latency of sequential eye

movements: Implications for reading. *Journal of Experimental Psychology: Human Perception & Performance*, 9, 912-922.

- Balota, D. A., & Rayner, K. (1983). Parafoveal visual information and semantic contextual constraints. *Journal of Experimental Psychology: Human Perception & Performance*, 9, 726-738.
- Pirozzolo, F. J., Rayner, K., & Hynd, G. W. (1983). The measurement of hemispheric asymmetries in children with developmental reading disabilities. In J. B. Hellige (Ed.), *Cerebral hemispheric asymmetry*. New York: Praeger Publishers.
- Rayner, K. (1983). The perceptual span and eye movement control during reading. In K. Rayner (Ed.), *Eye movements in reading: Perceptual and language processes*. NY: Academic Press.
- Rayner, K. (1983). Eye movements, perceptual span, and reading disability. *Annals of Dyslexia*, 33, 163-173.
- Ehrlich, K., & Rayner, K. (1983). Pronoun assignment and semantic integration during reading: Eye movements and immediacy of processing. *Journal of Verbal Learning and Verbal Behavior*, 22, 75-87.
- Rayner, K. (1983). Icons, visual buffers, and eye movements. *Behavioral and Brain Sciences*, 6, 6-37.

1984

- Rayner, K. (1984). Visual selection in reading, picture perception, and visual search: A tutorial review. In H. Bouma & D. Bouwhuis (Eds.), *Attention and Performance 10: Control of language processes*. Hillsdale, NJ: Erlbaum.
- Rayner, K. (1984). The maturation of psycholinguistics. *Contemporary Psychology*, 29, 941-942.
- Rayner, K. (1984). Review of *Eye movements: Cognition and visual perception* and *Eye movements and psychological functions: International views*. *Perception*, 13, 85-87.
- Rayner, K., & Carroll, P. J. (1984). Eye movements and reading comprehension. In D. Kieras & M. A. Just (Eds.), *New methods in reading comprehension research*. Hillsdale, NJ: Erlbaum.
- Pollatsek, A., Rayner, K., & Collins, W. E. (1984). Integrating pictorial information across eye movements. *Journal of Experimental Psychology: General*, 113, 426-442.

1985

- Rayner, K. (1985). Do faulty eye movements cause dyslexia? *Developmental Neuropsychology*, 1, 3-15.
- Rayner, K. (1985). Cognitive science: Fact or fantasy? *Contemporary Psychology*, 30, 692-693.
- Rayner, K. (1985). The role of eye movements in learning to read and reading disability. *Remedial and Special Education*, 6, 53-60.
- Balota, D. A., Pollatsek, A., & Rayner, K. (1985). The interaction of contextual constraints and parafoveal visual information in reading. *Cognitive Psychology*, 17, 364-390.

1986

- Rayner, K. (1986). Eye movements and the perceptual span in beginning and skilled readers. *Journal of Experimental Child Psychology*, 41, 211-236.
- Rayner, K. (1986). Against semantic preprocessing in parafoveal vision. *Behavioral and Brain Sciences*, 9, 46-47.
- Rayner, K. (1986). Eye movements and the perceptual span: Evidence for dyslexic typology. In G.

- Pavlidis and D. Fisher (Eds.), *Dyslexia: Its neuropsychology and treatment*. London: Wiley.
- Rayner, K., & Springer, C. J. (1986). Graphemic and semantic similarity effects in the picture-word interference task. *British Journal of Psychology*, 77, 207-222.
- Rayner, K., & Duffy, S. A. (1986). Lexical complexity and fixation times in reading: Effects of word frequency, verb complexity, and lexical ambiguity. *Memory & Cognition*, 14, 191-201.
- Rayner, K., Balota, D. A., & Pollatsek, A. (1986). Against parafoveal semantic preprocessing during eye fixations in reading. *Canadian Journal of Psychology*, 40, 473-483.
- Pollatsek, A., Rayner, K., & Balota, D. A. (1986). Inferences about eye movement control from the perceptual span in reading. *Perception & Psychophysics*, 40, 123-130.
- Inhoff, A. W., & Rayner, K. (1986). Parafoveal word processing during fixations in reading: Effects of word frequency. *Perception & Psychophysics*, 40, 431-439.

1987

- Rayner, K., & Frazier, L. (1987). Parsing temporarily ambiguous complements. *Quarterly Journal of Experimental Psychology*, 39A, 657-678.
- Rayner, K., & Pollatsek, A. (1987). Eye movements in reading: A tutorial review. In M. Coltheart (Ed.), *Attention and Performance 12*. Academic Press.
- Rayner, K., & Fisher, D. L. (1987). Letter processing during eye fixations in visual search. *Perception & Psychophysics*, 42, 87-100.
- Rayner, K., & Fisher, D. L. (1987). Eye movements and the perceptual span during visual search. In J. K. O'Regan and A. Levy-Schoen (Eds.), *Eye movements: From physiology to cognition*. Elsevier Science Publishers.
- Rayner, K., & Duffy, S. A. (1987). Eye movements and lexical ambiguity. In J. K. O'Regan and A. Levy-Schoen (Eds.), *Eye movements: From physiology to cognition*. Elsevier.
- Slowiaczek, M. L., & Rayner, K. (1987). Sequential masking during eye fixations in reading. *Bulletin of the Psychonomic Society*, 25, 175-178.
- Frazier, L., & Rayner, K. (1987). Resolution of syntactic category ambiguities: Eye movements in parsing lexically ambiguous sentences. *Journal of Memory and Language*, 26, 505-526.
- Schustack, M. W., Ehrlich, S. F., & Rayner, K. (1987). Local and global sources of contextual facilitation in reading. *Journal of Memory and Language*, 26, 322-340.
- Henderson, J. M., Pollatsek, A., & Rayner, K. (1987). The effects of foveal priming and extrafoveal preview on object identification. *Journal of Experimental Psychology: Human Perception and Performance*, 13, 449-463.
- Rayner, K. (1987). Cognitive neuropsychology and reading. *Contemporary Psychology*, 32, 325-327.

1988

- Rayner, K. (1988). Word recognition cues in children: The relative use of graphemic cues, orthographic cues, and grapheme-phoneme correspondence rules. *Journal of Educational Psychology*, 80, 473-479.
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- Angele, B., Tran, R., & Rayner, K. (2013). Foveal-parafoveal overlap can facilitate ongoing word identification during reading. *Journal of Experimental Psychology: Human Perception and Performance*, 39, 526-538.
- Li, X., Gu, J., Liu, P., & Rayner, K. (2013). The advantage of word-based processing in Chinese reading: Evidence from eye movements. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39, 879-889.
- Schotter, E.R., Ferreira, V., & Rayner, K. (2013). Parallel object activation and attentional gating of information: Evidence from eye movements in the multiple object naming paradigm. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39, 649-662.
- Reichle, E.D., Liversedge, S.P., Drieghe, D., Blythe, H.I., Joseph, H.S.S.L., White, S.J., & Rayner, K. (2013). Using E-Z Reader to examine the concurrent development of eye-movement control and reading skill. *Developmental Review*, 33, 110-149.
- Shen, J., Deutsch, D., & Rayner, K. (2013). On-line perception of Mandarin tones 2 and 3: Evidence from eye movements. *Journal of the Acoustical Society of America*, 133, 3016-3029.
- Sheridan, H., Rayner, K., & Reingold, E.M. (2013). Unsegmented text delays word identification: Evidence from a survival analysis of fixation durations. *Visual Cognition*, 21, 38-60.
- Bélangier, N.N., & Rayner, K. (2013). Frequency and predictability effects in eye fixations for skilled and less-skilled deaf readers. *Visual Cognition*, 21, 477-496.
- Liversedge, S.P., Hyöna, J., Rayner, K. (2013). Eye movements in Chinese reading. *Journal of Research in Reading*, 36 (Special Issue), 1-3.
- Wang, H.-C., Schotter, E.R., Angele, B., Yang, J., Simovici, D., Pomplun, M., & Rayner, K. (2013). Using singular value decomposition to investigate degraded Chinese character recognition: Evidence from eye movements. *Journal of Research in Reading*, 36 (Special Issue), 35-50.
- Slattery, T.J., & Rayner, K. (2013). Effects of intra-word and inter-word spacing on eye movements during reading: Exploring the optimal use of space in a line of text. *Attention, Perception, & Psychophysics*, 75, 1275-1292.
- Dambacher, M., Slattery, T.J., Yang, J., Kliegl, R., & Rayner, K. (2013). Evidence for direct control of eye movements during reading. *Journal of Experimental Psychology: Human Perception and Performance*, 39, 1468-1484.
- Leininger, M., & Rayner, K. (2013). Eye movements while reading biased homographs: Effects of prior encounter and biasing context on reducing the subordinate bias effect. *Journal of Cognitive Psychology*, 25, 665-681.
- Bélangier, N.N., Mayberry, R.I., & Rayner, K. (2013). Orthographic and phonological preview benefits: Parafoveal processing in skilled and less-skilled deaf readers. *Quarterly Journal of Experimental Psychology*, 66, 2237-2252.
- Glaholt, M., Rayner, K., & Reingold, E. (2013). Spatial frequency filtering and the direct control of fixation durations during scene viewing. *Attention, Perception, & Psychophysics*, 75, 1761-1773.
- Bicknell, K., Higgins, E., Levy, R., & Rayner, K. (2013). Evidence for cognitively controlled saccade targeting in reading. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds), *Proceedings*

of the 35th Annual conference of the Cognitive Science Society (pp 197-202). Austin, TX: Cognitive Science Society.

- Schotter, E. R. & Rayner, K. (2013). Eye movements in reading. In E. Peregro (Ed.), *Eye tracking in audiovisual translation*, (pp 83-102). Rome, Italy: Aracne.
- Rayner, K., & Pollatsek, A. (2013). Basic processes in reading. In D. Reisberg (Ed), *Handbook of Cognitive Psychology* (442-461). Oxford, UK: Oxford University Press.
- Rayner, K. & Schotter, E.R. (2013). Eye movements during reading. *SAGE Publications: Encyclopedia of the Mind*. (pp. 338–340). Los Angeles, CA: Sage

2014

- Rayner, K. (2014). The gaze-contingent moving window in reading: Development and review. *Visual Cognition*, 22, 242-258.
- Rayner, K., & Schotter, E.R. (2014). Semantic preview benefit in reading English: The effect of initial letter capitalization. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 1617-1628.
- Rayner, K., Schotter, E.R., & Drieghe, D. (2014). Lack of semantic preview benefit in reading revisited. *Psychonomic Bulletin & Review*, 21, 1067-1072.
- Rayner, K., Yang, J., Schuett, S., & Slattery, T.J. (2014). The effect of foveal and parafoveal masks on the eye movements of older and younger readers. *Psychology and Aging*, 29, 205-212.
- Rayner, K., Loschky, L.C., & Reingold, E.M. (2014). Eye movements and visual cognition: The contributions of George McConkie, *Visual Cognition*, 22, 239-241.
- Schotter, E.R., Bicknell, K., Howard, I., Levy, R., & Rayner, K. (2014). Task effects reveal cognitive flexibility responding to frequency and predictability: Evidence from eye movements in reading and proofreading. *Cognition*, 131, 1-27.
- Schotter, E.R., Reichle, E.D., & Rayner, K. (2014). Re-thinking parafoveal processing in reading: Serial-attention models can explain semantic preview benefit and $N+2$ preview effects. *Visual Cognition*, 22, 309-333.
- Glaholt, M.G., Rayner, K., & Reingold, E.M. (2014). A rapid effect of stimulus quality on the durations of individual fixations in reading. *Visual Cognition*, 22, 377-389
- Schad, D.J., Risse, S., Slattery, T.J., & Rayner, K. (2014). Word frequency in fast priming: Evidence for immediate cognitive control of eye movements during reading. *Visual Cognition*, 22, 390-414.
- Yang, J., Li, N., Wang, S., Slattery, T.J., & Rayner, K. (2014). Encoding the target or the plausible preview word? The nature of the plausibility preview benefit in reading Chinese. *Visual Cognition*, 22, 193-213.
- Plummer, P., Perea, M., & Rayner, K. (2013). The influence of contextual diversity on eye movements in reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40, 275-283.
- Gollan, T.H., Schotter, E.R., Gomez, J., Murillo, M., Rayner, K. (2014). Multiple levels of bilingual language control: Evidence from language intrusions in reading aloud. *Psychological Science*, 25, 585-595.
- Li, X., Bicknell, K., Liu, P., Wei, W., & Rayner, K. (2014). Reading is fundamentally similar across disparate writing systems: A systematic characterization of how words and characters influence eye movements in Chinese reading. *Journal of Experimental Psychology: General*, 143, 895-913.

- Higgins, E., Leinenger, M., & Rayner, K. (2014). Eye movements when viewing advertisements. *Frontiers in Psychology (Cognition)*, doi: 10.3389/fpsyg.2014
- Ma, G., Li, X., & Rayner, K. Word segmentation of overlapping ambiguous strings during Chinese reading. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 1046-1059.
- Schotter, E.R., Tran, R., & Rayner, K. Don't believe what you read (only once): Comprehension is supported by regressions during reading. *Psychological Science*, 25, 1218-1226.
- Schotter, E., R. Jie, A., Ferrerira, V., & Rayner, K. Preview benefit in speaking occurs regardless of preview timing. *Psychonomic Bulletin & Review*, 21, 755-762.
- Angele, B., Laishley, A., Rayner, K., & Liversedge, S.P. (2014). The effect of high- and low-frequency previews on and sentential fit on word skipping during reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 40, 1181-1203.

In press

- Frisson, S., Bélanger, N.N., & Rayner, K. Phonological and orthographic overlap effects in fast and masked priming. *Quarterly Journal of Experimental Psychology*, in press.
- Blythe, H.L., Johnson, R.L., Liversedge, S.P., & Rayner, K. Reading transposed text: Effects of transpose letter distance and consonant-vowel status on eye movements. *Attention, Perception, & Psychophysics*, in press.
- Schotter, E.R., & Rayner, K. The work of the eyes in reading. In A. Pollatsek and R. Treiman (eds), *The Oxford Handbook of Reading*. New York
- Leinenger, M., & Rayner, K. Reading. In A. Kingstone (ED), *the MIT Handbook of Attention*. Cambridge, MA.
- Leinenger, M., Schotter, E.R., & Rayner, K. Theories of Reading. *SAGE Encyclopedia*.
- Li, X., Liu, P., & Rayner, K. Saccade target selection in Chinese reading. *Psychonomic Bulletin & Review*, in press.

Submitted

- Angele, B., Schotter, E.J., Slattery, T.J., Bicknell, K., Chaloukian, T.J., & Rayner, K. Do successor effects in reading reflect parafoveal processing?: Evidence from corpus based and experimental eye movement data. *Journal of Memory and Language*, under invited revision.
- Abbott, M.J., Angele, B., Ahn, Y.D., & Rayner, K. Skipping syntactically illegal "the" previews: The role of predictability. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, under invited revision.
- Rayner, K., & Reingold, E.M. Direct control of eye movements during reading. *Current Opinion in Behavioral Sciences*, invited submission.

Invited Major Addresses:

- Keynote address to the Dutch Psychonomics Society, 1987
- Invited address to Apple Computer in-house conference, 1988
- Distinguished Faculty Lecture Series, University of Massachusetts, 1991
- Invited address to Division 3, American Psychological Association, 1992
- Keynote address, 7th European Conference on Eye Movements, Durham, UK, 1993
- Invited address at the National Academy of Sciences, 1993

Invited address at BASICS, Banff, Canada, 1994
Invited address at Reading 2000, Glasgow University, 1995
Invited address to the Scientific Study of Reading, 1996
Invited Lecturer, European Cognitive Psychology Summer School, 1997
Vision Sciences Inaugural Lecture, SUNY College of Optometry, 1998
Invited Address, American Psychological Association, 1999
Keynote address, AMLAP meeting, Edinburgh, 1999
Invited Address, Brain and Language, Wundt celebration, Leipzig, 1999
Leverhulme Professor Lectures, University of Durham, 2001-2002
Keynote Address, China International Conference on Eye Movements, Tianjin, May, 2004
Keynote Address, ETRA Workshop on Computer Vision, San Antonio, 2004
Keynote Address, Spanish Psycholinguistics, Valencia, April, 2005
Keynote Address, Visual Advertising, University of Michigan Business School, June 2005
Keynote Address, Second China International Conference on Eye Movements, Tianjin, May, 2006
Bartlett Lecture, Experimental Psychology Society, Edinburgh, July 2007
Keynote Address, 14th European Conference on Eye Movements, Potsdam, August 2007
Keynote Address, Third China International Conference on Eye Movements, Zhuhai, June, 2008
Keynote Address, British Psychological Society (Cognitive Section), Southampton, September, 2008
Keynote Address, Fourth China International Conference on Eye Movements, Tianjin, May, 2010
Carnegie Centennial Professor for Scotland Lecture, University of Dundee, September 2011.
Keynote Address, Helsinki Conference on Marketing, Helsinki, Finland, May, 2013
Keynote Address, Tobii Conference on Eye Movements, Stockholm, Sweden, May, 2013
Keynote Address, Current Directions in Reading Research Conference, Madrid, Spain, September, 2013
William James Lecture, Association for Psychological Science, San Francisco, May 3, 2014

Workshops - Eye Movement Workshop Presented at:

Cognitive Science Society, Boston, 2003
China Conference on Eye Movements, Tianjin, China, 2004
Canadian Language and Literacy Network, Toronto, Canada, 2005
Processing Asian Languages, Hong Kong, 2005
Cognitive Science Society, Vancouver, 2006
Center for Brain and Mind, McGill University, 2007
Cognitive Section of the British Psychological Society, Southampton, 2008

Papers:

1972

McConkie, G. W., Rayner, K., & Wilson, S. J. Experimental manipulation of reading strategies.
Presented at the American Educational Research Association, Chicago, April, 1972.

1973

McConkie, G. W., & Rayner, K. Identifying the effective stimulus during a fixation. Presented at the
American Educational Research Association, New Orleans, February, 1973.
Rayner, K., & McConkie, G. W. A computer technique for identifying the perceptual span in reading.
Presented at the Eastern Psychological Association, Washington, DC, May, 1973.

1974

Rayner, K., & McConkie, G. W. The perceptual span in reading. Presented at the American Educational Research Association Meetings, Chicago, April, 1974.

1975

McConkie, G. W., & Rayner, K. Asymmetry of the perceptual span in reading. Presented at the American Educational Research Association Meetings, Washington, DC, April, 1975.

Rayner, K., & Posnansky, C. J. Recognition processes in sentence memory. Presented at the Meetings of the Rocky Mountain Psychological Association, Salt Lake City, April, 1975.

1976

Rayner, K. Parafoveal cues in word recognition and reading. Presented at American Educational Research Association Meetings, San Francisco, April, 1976.

Rayner, K. On the integration of information over successive fixations in reading. Presented at the International Congress of Psychology, Paris, France, July, 1976.

1977

Rayner, K. Eye movements and reading. Presented at the 2nd Annual Interdisciplinary Conference, Jackson Hole, Wyoming, January, 1977.

Rayner, K., McConkie, G. W., & Ehrlich, S. Parafoveal facilitation of naming foveally presented words. Meetings of the Psychonomic Society, Washington, DC, 1977.

Ehrlich, S., & Rayner, K. A study in apperception revisited. Presented at the American Educational Research Association Meetings, New York, April, 1977.

1978

Rayner, K. Integrating information across fixation. Presented at the Canadian Psychological Association meetings, Ottawa, June, 1978.

Rayner, K. Eye movements and cognitive psychology. Presented at the National Conference on the Use of On-line Computers in Psychology, San Antonio, 1978.

Posnansky, C. J., & Rayner, K. Interaction of semantic and visual information in word identification. Presented at the American Educational Research Association, Toronto, April, 1978.

1979

Rayner, K., Inhoff, A. W., Morrison, R. E., Slowiaczek, M. L., & Bertera, J. H. Masking of foveal and parafoveal vision during eye fixations in reading. Presented at Psychonomic Society, Phoenix.

1980

Rayner, K. Eye movement control in reading. Conference on Eye Movement Control, Pasadena, California, 1980.

Rayner, K. Eye movement control during reading. Presented at the meetings of the Psychonomic Society, St. Louis, 1980.

Pollatsek, A., Bolozky, S., Well, A. D., & Rayner, K. Asymmetries in the perceptual span of Israeli readers. Presented at the meetings of the Psychonomic Society, St. Louis, 1980.

1981

Rayner, K. Effects of context on eye movements during reading. Presented at the 6th Annual Interdisciplinary Conference, Park City, Utah, 1981.

Pollatsek, A., Rayner, K., & Collins, W. F. Parafoveal processing of pictures. Presented at the Psychonomic Society meetings, Philadelphia, 1981.

1982

Rayner, K. Visual selection and information processing. Presented at Attention and Performance Meetings, Venlo, Netherlands, 1982.

Balota, D. A., & Rayner, K. Parafoveal visual information and semantic contextual constraints. Presented at the Psychonomic Society Meetings, Minneapolis, 1982.

1983

Rayner, K. Eye movements and dyslexia. Presented at International Congress on Dyslexia, Halkidiki, Greece, 1983.

Rayner, K. Eye movements as reflections of cognitive processes. Presented at the American Psychological Association Meetings, Anaheim, 1983.

Frazier, L., & Rayner, K. Resolution of syntactic category ambiguities. Presented at the Linguistic Society of America Meetings, Minneapolis, 1983.

Inhoff, A. W., Lima, S., & Rayner, K. Parafoveal information in reading. Presented at the Psychonomic Society, San Diego, 1983.

Schustack, M., Ehrlich, S., & Rayner, K. Separating mechanisms of local and global contextual effects in reading. Presented at the Psychonomic Society Meetings, San Diego, 1983.

1985

Rayner, K. Eye movements and the perceptual span in beginning and skilled readers. Presented at the Experimental Psychology Society Meetings, Cambridge, England, 1985.

Rayner, K., & Duffy, S. A. Eye movements and lexical ambiguity. Presented at the European Conference on Eye Movements, Paris, France, 1985.

Rayner, K., & Fisher, D. H. Eye movements and the perceptual span in visual search. Presented at the European Conference on Eye Movements, Paris, France, 1985.

1986

Rayner, K. Parafoveal preview and lexical access. Presented at the Lexical Representations Conference at the dedication of the new Max Planck Institute building, Nijmegen, The Netherlands, 1986.

Rayner, K., & Pollatsek, A. Eye movements in reading: A tutorial review. Presented at Attention and

Performance 12, Windsor, England, 1986.

Henderson, J. M., Pollatsek, A., & Rayner, K. Non-schema context effects on object identification. Presented at the Psychonomic Society Meetings, New Orleans, 1986.

1987

Morris, R. K., Rayner, K., & Pollatsek, A. Eye movement control in reading: The role of parafoveal information. Presented at the annual meeting of the Psychonomic Society, Seattle, November, 1987.

Pollatsek, A., Henderson, J., Boyce, S. J., & Rayner, K. The role of attention and context in picture perception. Presented at the Psychonomic Society meetings, Seattle, 1987.

Frazier, L., & Rayner, K. Taking on semantic commitments. Presented at the Linguistic Society of America meetings, San Francisco, 1987.

1988

Rayner, K., Duffy, S. A., & Morris, R. K. Lexical ambiguity and fixation times in reading. Presented at the meeting of the Experimental Psychology Society, London, January, 1988.

Rayner, K. Eye movements and the perceptual span in beginning and dyslexic readers. Presented at the Rodin Foundation conference, Stockholm, Sweden, 1988.

Blanchard, H., Pollatsek, A., & Rayner, K. The acquisition of parafoveal word information in reading. Presented at the Midwestern Psychological Association meetings, Chicago, 1988.

1989

Sereno, S. C., & Rayner, K. First fixations in refixated words: Why are they shorter? Presented at the Midwestern Psychological Association meetings, Chicago, May, 1989.

Morris, R. K., Rayner, K., & Pollatsek, A. Eye guidance in reading: The use of parafoveal information. Presented at the Midwestern Psychological Association, Chicago, May, 1989.

Pollatsek, A., Lesch, M., Morris, R., & Rayner, K. Sound coding in integration of information across saccades. Presented at the Psychonomic Society meetings, Atlanta, November, 1989.

1990

Sereno, S. C., & Rayner, K. Fast priming during eye fixations in reading. Presented at the Midwestern Psychological Association Meetings, Chicago, May, 1990 and at the Psychonomics Society Meetings, New Orleans, November, 1990.

Rayner, K. Eye movements and scene perception. Invited speaker at the Louvain Scene Perception Conference, September, 1990.

Morris, R. K., Rayner, K., & Pollatsek, A. Semantic context effects on fixation time in reading. Presented at the Psychonomics Society Meetings, New Orleans, November, 1990.

Perfetti, C. A., Britt, A., Rayner, K., & Garrod, S. Parsing in discourse: Contextual influences and their limit. Presented at the Psychonomics Society, New Orleans, November, 1990.

1991

Rayner, K., Pacht, J.M., Sereno, S.C., & Duffy, S.A. Lexical ambiguity and eye fixations: Frequency

- and familiarity effects. Presented at the Psychonomics Society, November, 1991
- Raney, G.E., & Rayner, K. The effect of word frequency during two readings of a text. Presented at the Psychonomic Society Meetings, November, 1991.
- Altarriba, J., Kroll, J.K., Rayner, K., & Sholl, A. Reading Spanish words in English sentences. Presented at the Psychonomic Society Meetings, November, 1991.
- Pollatsek, A., LaGasse, L., Raney, G.E., & Rayner, K. The effect on reading of information below the line. Presented at the Psychonomic Society Meetings, November, 1991.

1992

- Rayner, K. What eye movements can tell us about reading. Invited address at a conference on The Extra-ordinary Brain, Sante Fe, New Mexico, May, 1992.
- Raney, G.E., & Rayner, K. Event-related potentials, eye movements, and reading. Presented at the American Psychological Society Meetings, San Diego, June 1992.

1993

- Rayner, K. Recent developments in eye movement and reading research. Presented at the Eastern Psychological Association meetings, Washington, DC, May, 1993
- Rayner, K. Eye movements and lexical ambiguity resolution. Presented at the Glasgow Language Processing Conference, Glasgow, August, 1993.

1994

- Birch, S.L., & Rayner, K. Effects of linguistic focus on eye movements during reading. Presented at the Psychonomic Society Meetings, St. Louis, November, 1994.
- Deutsch, A., & Rayner, K. Eye movements and syntactic anomaly. Presented at the Psychonomic Society Meetings, St. Louis, November, 1994.

1995

- Reichle, E.D., Pollatsek, A., Fisher, D.L., & Rayner, K. Toward a model of eye movements in reading. Presented at the Psychonomic Society Meetings, Los Angeles, November, 1995.
- Fischer, M.F., Rayner, K., & Pollatsek, A. Attention and eye movements in reading. Presented at the 8th European Eye Movement Conference, Derby, England.
- Deutsch, A., & Rayner, K. Eye movements and semantic anomaly. Presented at the 8th European Eye Movement Conference, Derby, England.

1996

- Pollatsek, A., Binder, K.S., Perea, M., & Rayner, K. Delayed lexical effects in reading. Presented at the Psychonomic Society Meetings, Chicago, November, 1996.
- Binder, K.S., Duffy, S.A., & Rayner, K. Effect of context on syntactic ambiguity resolution. Presented at the Psychonomic Society Meetings, Chicago, November, 1996.

1997

- Fischer, M., Pollatsek, A., & Rayner, K. The relationship between attention and eye movements in visual search. Presented at the European Perception Conference, Helsinki, Finland, Aug, 1997.
- Wiley, J., & Rayner, K. The effect of titles on processing ambiguous words. Presented at the Psychonomic Society Meetings, Philadelphia, November, 1997.

1998

- Rayner, K., Reichle, E.D., & Pollatsek, A. Eye movement control in reading: Updating the E-Z Reader model. Presented at the 5th Annual European Workshop in Language Comprehension. Luminy, France. April, 1998
- Pollatsek, A., Rayner, K., & Lee, H. Phonological coding in word perception and reading. Presented at the 5th annual European Workshop on Language Comprehension. Luminy, France, April 1998

1999

- Rayner, K. Eye movements and cognitive processes in reading. Invited Address at APA, Boston, August, 1999
- Rayner, K. Eye movements in reading, scene perception, and visual search. Invited Address at the Experimental Psychology Society meetings, Durham, UK, July, 1999
- Lee, H., Rayner, K., & Pollatsek, A. The relative contribution of consonants and vowels in reading. Presented at the Psychonomics Society, Los Angeles, 1999

2000

- Rayner, K. Eye movements in scene perception and visual search. Presented at the International Congress of Psychology, Stockholm, Sweden, 2000.
- Pollatsek, A., & Rayner, K. Simple rotary motion is integrated across saccades. Presented at the International Congress of Psychology, Stockholm, Sweden, 2000
- Kambe, G., & Rayner, K. Local and global context effects on processing ambiguous words. Presented at MPA, Chicago, May, 2000.

2001

- Rayner, K. On the process of lexical ambiguity resolution in reading. Presented at the European Society for Cognitive Psychology, Edinburgh, Scotland, 2001
- Rayner, K. On processing meaning from parafoveal words in reading. Presented at the European Society for Cognitive Psychology, Edinburgh, Scotland, 2001
- Juhasz, B. & Rayner, K. Age of acquisition effects on eye movements in reading. Presented at the European Conference on Eye Movements, Turku, Finland, 2001
- Ashby, J., Rayner, K., & Pollatsek, A. The effect of frequency and predictability on eye movement control. Presented at the European Conference on Eye Movements, Turku, Finland, 2001
- Ashby, J., & Rayner, K. Eye movements and reading skill. Presented at the Society for the Scientific Study of Reading, Denver, 2001

2002

- Rayner, K. Inhibition of saccade return in reading. Presented at the Experimental Psychology Society,

Louvain, Belgium, 2002.

Juhasz, B.J., & Rayner, K. The influence of age of acquisition and frequency on eye movements in reading. Presented at the Psychonomic Society Meeting, Kansas City.

Ashby, J., & Rayner, K. The role of syllable structure in word recognition during silent reading. Presented at the Psychonomic Society Meeting, Kansas City

2003*

Rayner, K., Warren, T., & Liversedge, S.P. The effect of plausibility on eye fixations in reading. Presented at the European Conference on Eye Movements. Dundee, Scotland, August.

2004

Rayner, K. How psychological science informs the teaching of reading. British Festival of Science, University of Exeter, September.

2005

Rayner, K., Brown, S., & Juhasz, B.J. Do reader's obtain preview benefit from word N+1? Invited presentation at the 13th Annual European Conference on Eye Movements (ECEM), Bern, Switzerland, August.

Rayner, K., Stroud, M., & Williams, C.C. The effect of frequency, predictability, and font difficulty on the eye movements of elderly readers. Invited presentation at ECEM, August.

Rayner, K. Eye movements of Chinese readers: Extending the E-Z Reader model. Invited address at the 12th annual conference on the Processing of Asian Languages, Hong Kong, December.

2006

Rayner, K. Eye movements and reading comprehension. Invited presentation at Florida State Reading Center conference, St. Petersburg, Florida, April.

Rayner, K. Issues in language comprehension. Invited presentation at the Cognitive Aging Conference, Atlanta, April.

Rayner, K. Extending the E-Z Reader Model to elderly and Chinese readers. Invited address at the Workshop in modeling eye movements, Potsdam, Germany, June

Rayner, K., & Li, X. Modeling the eye movements of Chinese readers. Invited address at the 2nd Annual China Conference on Eye Movements, Tianjin, June

2007

Rayner, K., Juhasz, B.J., White, S.J., & Liversedge, S.P. Still no morphological preview benefit. Invited address at the Workshop on Morphology, Marseille, June.

Rayner, K. Attention and eye movements in reading, scene perception, and visual search. Bartlett Lecture, Experimental Psychology Society, Edinburgh, July.

Rayner, K. Eye movements in reading: Models and data. Keynote address at the European Conference on Eye Movements, Potsdam, Germany, August.

Rayner, K. Eye movements of Chinese readers. Society of Experimental Psychology Meeting, Storrs, CT, April, 2007.

2008

- Rayner, K. Cognitive and cultural influences on eye movements during reading and scene perception. Keynote address at the 3rd China Conference on Eye Movements, Zhuhai, June, 2008.
- Rayner, K. Eye movements in reading: Data and models. Invited symposium talk at the International Congress of Psychology, Berlin, Germany, July.
- Rayner, K. Cognitive and cultural influences on eye movements during reading and scene perception. Keynote address at the Cognitive Section Meeting of the British Psychological Society, Southampton, September.

2010

- Rayner, K. The influence of cognition and culture on eye movements. Keynote address at the 4th China Conference on Eye Movements, Tianjin, May, 2010
- Rayner, K. Eye movements of older readers. Symposium at the SSSR meeting, Berlin, July, 2010.

2011

- Rayner, K. The gaze-contingent moving window: Reading, visual search, and scene perception. Symposium at the European Conference on Eye Movements, Marseille, August, 2011.

* As of 2003, only talks that I presented at Conferences are listed; talks that I was co-author on but did not present are not included.

Journal Reviews

Psychological Bulletin, Science, Cognition, Nature, Psychological Review, Cognitive Psychology, Journal of Memory and Language, Brain and Language, Brain and Cognition, Memory and Cognition, Perception & Psychophysics, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: Animal Behavior Processes, Quarterly Journal of Experimental Psychology, Canadian Journal of Experimental Psychology, British Journal of Psychology, Journal of Experimental Child Psychology, Journal of Speech and Hearing Research, Behavior Research Methods and Instrumentation, Acta Psychologica, Journal of Educational Psychology, Reading Research Quarterly, Perceptual and Motor Skills, Visible Language, Child Development, Neuropsychologia, Developmental Neuropsychology, Behavioral and Brain Sciences, Journal of Mathematical Psychology, Journal of Abnormal Psychology, Perception, Psychological Research, Clinical Visual Science, Vision Research, Investigative Ophthalmology and Vision Science, Brain, Journal of Neuroscience

Colloquium Talks have been presented at the following institutions:

Cornell University (2), Harvard University (2), University of Toronto, University of Virginia, Queen's University, Guelph University, University of Minnesota (2), University of Texas (2), Brigham Young University, University of Massachusetts, University of Rochester (2), Scarborough College, Hampshire College, Trinity College, University of Connecticut, Massachusetts Institute of Technology (2), California Institute of Technology, Yale University, Rutgers University, Oxford University (4), Applied Psychology Unit-Cambridge (2), Cambridge University, University of Leiden (2), University of Brussels, Max Plank Institute for Psycholinguistics (4), University of Louvan (2), University of Leuven LeNeuf, University of Reading, University of Nottingham (2), University of Durham (3),

Developmental Psychology Unit-London, Sussex University (2), University of New Hampshire, Johns Hopkins University (2), New York University, University of Amsterdam (2), Free University of Amsterdam, University of Groningen, University of Nijmegen (2), Netherlands Institute for Advanced Study (2), Aachen Technological Institute, University of Trier, Institute for Perception at Eindhoven, University of Padua (2), University of Trieste, University of Genoa, Haskins Labs, SUNY-Albany, Washington University (2), Florida State University, University of Oklahoma, University of South Carolina, Northeastern University, University of Turku, University of Glasgow (5), Michigan State University (2), Catholic University of Leuven (2), Tufts University, SUNY-Binghamton, University of Paris, SUNY College of Optometry, University of Leipzig, Harvard Medical School, University of Bristol, University of Edinburgh (2), University of York, University of Sunderland, Aston University, University of Dundee (4), University College London, University of London at Royal Holloway, University of Colorado, University of Utah, Rice University, Tianjin Normal University (2), University of Lisbon, University of Ghent, Ohio State University, University of California, San Diego (4), Sun-Yat Sen University (China), University of South China, Chinese University of Hong Kong, McGill University (2), University of Southampton, San Diego State University, University of Toronto, Mississauga, University of Potsdam (2), University of Arizona (2), Institute of Psychology, Academy of Science (Beijing, China), Peking University (China), Free University of Berlin, University of Munich, University of Aberdeen

Departmental and University Committees (Including Administration)

Research Committee, University of Rochester, 1976-78
Computer Use Committee, Center for Visual Science, University of Rochester, 1975-78
Search Committee, Center for Visual Science and Psychology, University of Rochester, 1977-78
Departmental Admissions Committee, University of Massachusetts, 1978-80
Research Trust Funds Committee, University of Massachusetts, 1979-80, 1985-87, 1990-91
Steering Committee for the Sloan Cognitive Science Center, University of Massachusetts, 1978-1984
Director, Center for Cognitive Science, University of Massachusetts, 1981-83.
Director, Eyetracking Laboratory, University of Massachusetts, 1978-2008
Area Head (Cognitive Psychology), Department of Psychology, University of Massachusetts, 1986-1987, 1992-94, 1996-98
Personnel Committee, Department of Psychology, University of Massachusetts, 1982-84 (Chair, 1983-84), 1988-90 (Chair 1989-90), 1997-99, 2004-2006 (Chair 2005-06)
Search Committee, Department of Psychology, University of Massachusetts, 1979-80, 1981-82 (Chair), 1986-87 (Chair), 1992-93, 1992-93 (Chair), 1994-95 (Chair), 2001-02 (Chair), 2002-03 (Chair), 2004-05 (Chair)
Provost's Committee on Lectures, University of Massachusetts, 1985-87
Division Head (Div 2), Department of Psychology, University of Massachusetts, 1992-94, 96-98
Committee for the Future, Department of Psychology, University of Massachusetts, 1991, 2000
Academic Priorities Council of the Faculty Senate, University of Massachusetts, 1991-94
Faculty Senate, University of Massachusetts, 1993-97.
Human Subjects Committee, Department of Psychology, University of Massachusetts, 2002-2005, 2006-2008 (Chair)
Director, Rayner Eyetracking Laboratory, University of California, San Diego, 2008-present
Executive Committee, Joint Program in Language and Language Disorders, University of California, San Diego, and San Diego State University, 2008-present
Department Resources Committee, Department of Psychology, University of California, San Diego,

2011-2013

Search Committee (Chair), Department of Psychology, University of California, San Diego, 2008,
2009

Graduate Admission Committee (Chair), Department of Psychology, University of California, San
Diego, 2009 – present