

**CURRICULUM VITAE**  
**MICHAEL I. POSNER**

**Born:** September 12, 1936  
Cincinnati, Ohio

**Current Address:**

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**Education:**

1957 University of Washington, Seattle, B.S. Physics  
1959 University of Washington, Seattle, M.S. Psychology  
1962 University of Michigan, Ann Arbor, Ph.D., Psychology

**Experience:**

1957-59 Associate Research Engineer, Boeing Airplane Company  
1959-60 USPHS Predoctoral Fellow, University of Michigan  
1960-61 Teaching Fellow, University of Michigan  
1962-65 Assistant Professor of Psychology, University of Wisconsin  
1965-68 Associate Professor of Psychology, University of Oregon  
1968- Professor of Psychology, University of Oregon (**EMERITUS 2000**)  
1969-70 Director of Office of Scientific and Scholarly Research, Univ. of Oregon  
1968-69 NSF Senior Postdoctoral Fellow, Applied Psychol Unit, Cambridge, England  
1974-75 Visiting Professor, Yale University  
1976 (Fall) Visiting Professor, University of Delhi, Delhi, India  
1979 (Jan.-June) Visiting Professor, Cornell Medical College - Rockefeller University  
1979-1985 Director, Neuropsychology Laboratory, Good Samaritan Hospital  
1985 Visiting Professor, University of Minnesota  
1985-1989 Professor of Neuropsychology and Psychology, Department of Neurology Neurosurgery, Washington University, St. Louis  
1989-1995 Director, Institute of Cognitive and Decision Sciences, University of Oregon  
1995-98 Head Dept of Psychology, University of Oregon  
1997-2000 Distinguished Professor, College of Arts and Science, Univ. of Oregon  
1998-2002 Professor of Psychology in Psychiatry, Weill Medical College of Cornell University, New York Founding Director, Sackler Institute  
2002 Adjunct Professor, Weill Medical College  
2003-2010 Faculty Coordinator Brain, Biology and Machine Initiative University of Oregon

**Honors and Awards:**

- Donald G. Marquis Award, University of Michigan, 1961-62, "For the most distinguished dissertation"
- American Institute for Research, Dissertation award in the area of Learning, Perception and Motivation, 1962
- Paul M. Fitts Award, Human Factors Society (for contributions to training of Human Factors Specialists)
- Member: Oregon, Western and American Psychological Association (Fellow, Division 3): AAAS (Fellow 1976):  
Psychonomics Society (Governing Board, 1973-79), Cognitive Science Society; Neuroscience Society, American Psychological Society
- Editor, Journal of Experimental Psychology: Human Perception and Performance, 1974-1979
- Ersted Award for distinguished teaching, University of Oregon, 1975
- 3<sup>rd</sup> Paul M. Fitts Lecturer, University of Michigan, Fall, 1976
- Sir F.C. Bartlett Lecturer, University of Oxford, July, 1979
- John Simon Guggenheim Fellow, 1979-1980
- A.P.A. Distinguished Scientific Contribution Award, 1980
- Elected to U.S. National Academy of Sciences, 1981
- NRSA Senior postdoctoral fellowship, 1982-84
- Association Lecture International Attention and Performance Society, 1982
- Elected Chair Section J (Psychology) American Association for the Advancement of Science - Term February, 1987-February, 1988
- Fellow American Academy of Arts and Sciences, 1986
- Distinguished Foreign Lecturer British Psychology Society. Cognitive Section, September, 1986
- 8th McKinnon Lecture, University of Missouri, Department of Psychology, April, 1987
- Harold Schlossberg Lecture, Brown University, Department of Psychology, May, 1987
- Presidential Symposium Neuroscience Society, November, 1987
- Howard Crosby Warren Medal of the Society of Experimental Psychologists, 1988
- Member, Institute of Medicine, National Academy of Science, 1988
- Hilgard Visiting Professor, Stanford University, May, 1988
- 2nd Quad 4 lecture, University of New Mexico, October 1988
- Invited Lecturer, Congress on Cerebral Blood Flow, Bologna, Italy, May, 1989
- Invited Lecturer, Experimental Psychology Society, Cambridge University, July, 1989
- Howard Vollum award for exceptional achievement of a member of the scientific and technical community of the Pacific Northwest, 1989
- Invited Paper, Decade of the Brain Conference, Institute of Medicine, July, 1990
- Invited Plenary Lecture 25th International Congress of Psychology, Brussels, Belgium, July 1992, with M.K. Rothbart
- Nijmegen Lectures - Max Planck Institute for Psycholinguistics, Nijmegen, Holland, December 1992.
- Invited Visitor Norway Symposium on Psychopathology, February, 1993
- Distinguished Scientific Lecture American Psychological Association, May, 1992
- Organizer Cognitive Neuroscience Symposium International Union of Physiological Sciences. Glasgow Scotland, July, 1993.
- Invited Presidential Address - Society for Neuroscience, Washington, DC, Nov. 1993
- James McKeen Cattell Fellow 1993-94
- Scientist of the Year Award, Oregon Academy of Sciences, 1995
- McDonnell-Pew Lecture-European Society for Psychology and Philosophy, 1995
- Phi Beta Kappa Lecturer, 1995-96
- Dedication Lecturer - Welcome Trust Center for Brain Imaging University of London, April, 1996.
- William James Book Award, 1996 American Psychological Association for the book

### Images of Mind.

- Donald Broadbent Lecture - European Cognitive Psychology Society, Wurzburg Germany, September, 1996.
- Dana Foundation Award for pioneering research in medicine (neuroscience) 1996
- John T. McGovern Medal and Lecture American Assoc. for the Advancement of Science, February, 1998
- Walker-Ames Visiting Professor, University of Washington, April, 1998
- Lanier Lecturer, University of Illinois, April, 1998
- Honorary Doctoral Degree, University of Padova, Italy, 1998
- Karl Lashley Award, American Philosophical Society (joint with M. E. Raichle), November, 1998
- Elliot Lecture, University of Pennsylvania School of Medicine, February, 1999
- W.R. Jeffry Lecture UCLA, February, 1999
- Distinguished Lecturer, Ben Gurion University, November-December, 1999
- Honorary Doctoral Degree, University of Granada, Spain, November, 1999
- Pasarow Foundation Award in Medical Research (Neuropsychiatry) with M.E. Raichle, June, 2000
- Hebb Lecture, Dalhousie University, March, 2000
- Salmon Lecture, NY Academy of Medicine, December, 2000
- De Lange Lecture, University of Houston, March, 2001
- Centenary Lecture on Attention, British Psychology Society, April, 2001
- Grawemeyer Award for psychology contribution /w/ Raichle & Petersen
- Honorary Degree University of Nottingham, July 2002
- Honorary Degree University of Paris, Dec 2002
- Presidential Symposium American Psychological Association, 2003
- Fyssen Foundation International Prize for studies of Human Consciousness, 2004
- George A. Miller Lecture, Cognitive Neuroscience Society, 2004
- American College of Psychoanalysis Laughlin Distinguished Citizen Award and Honorary Membership, 2004
- Patricia Goldman Rakic Award NARSAD [with M.E. Raichle], 20\*Plenary lecture Psychonomics Society Nov. 2005
  - \*Plenary lecture Society for Judgment and Decision Making Nov 2005
  - \*Arthur Lecture American Museum of Natural History March 2007
  - \* Honorary Doctoral Degree Ben Gurion University Beer Sheva Israel 2007
  - \* Honorary Doctoral Degree Vrije University of Brussels Nov. 2007
  - \* First Mattie Dogan Prize in Psychology 2008
  - \* First Paul B. Baltes lecture International Congress of Psychology 2008
  - \* 7th Paul M. Fitts Lecture, Univ of Mich. Sept. 2008
  - \* Honorary Doctor of Science Univ. of Mich. May 2009
  - \* Nat'l Medal of Science, Oct 2009
  - \* Honorary Doctoral Degree University of Buenos Aires March 2010
  - \* Japanese Psychological Assoc. Guest Lecture Sept. 2010
  - \* Founders Day Lecture Brain Center Delhi India Dec. 2010
  - \* Honorary Degree Florida Atlantic University Dec 2011
  - \* J.J. Carty award for contribution to science National Academy April 2012
  - \* Keynote Address Society for the Scientific Study of Reading Hong Kong July 2013
  - \* Plenary Address Cognitive Science in the Millennium Beijing July 2013
  - \* Election to British Academy of Humanities and Social Sciences

### National Service:

- National Research Council Committee on Human Factors, 1982-83

- National Research Council Committee on Enhancement of Human Performance, 1985-1987
- National Research Council Subcommittee on Learning and Memory of Committee on Research Opportunities in the Social and Behavioral Science, 1985
- National Research Council Subcommittee on Neurobiology and Behavior of the Committee on Research Opportunities in Biology
- McArthur Foundation Committee of Scientific Advisers to the Health Program, 1986-1990
- Reviews of Program of Psychology Departments:
  - Rochester University, 1983
  - University of California at Santa Cruz, 1983
  - McGill University, 1984
  - Northwestern University, 1985
  - University of Minnesota, 1986
  - University of Iowa, 1988
  - UCSD (Cognitive Science), 1994
  - Chair, visiting committee Harvard University Psychology Dept., 1995-98
  - Chair review committee Brown University, 1999
  - Vanderbilt University, 1999
  - U.S.C., 2000
  - University of California, Davis, Neuroscience Program, 2001
  - University of Washington, Department of Psychology, 2004
  - City University of NY 2011
- Surrogate Delegate Oxford University Press, 1990-1996
- Chair, James S. McDonnell Foundation Committee on Cognitive Neuroscience of Attention and Perception, 1987-1989
- Board of Reviewing Editors, Science, 1988-1989
- Membership Chair Section 53 National Academy of Sciences, 1992-94
- Nominating Committee Society for Neuroscience, 1993
- National Research Council Committee on Early Child Pedagogy, 1998-00
- PNAS Board of Editors 2000-2002
- Monitor NRC report on polygraphy 2002
- Society for Neuroscience Lindsley Award Committee 2001-
- Board of NEA Foundation 2004-2006
- Advisory Board Life Center, University of Washington 2004-200
- \* Board of NEA Foundation 2004-2006
- \*NAS nominating committee 2008
- \*Member Board on Cognitive, Behavioral and Sensory Sciences NRC 2010-2013
- \* Search committee Director of Cog. and Brain Unit MRC 2010
- \* Board on Cognitive, Behavioral and Sensory Sciences NRC 2010-2013
- \* NRC Committee on Small Group Leadership 2010-2011

### **Publications:**

- Culbert, S.S. & Posner, M.I. (1960). Human habituation to an acoustical energy distribution spectrum. *Journal of Applied Psychology*, **44**: 263-266.
- Posner, M.I. (1963). Immediate memory in sequential tasks. *Psychological Bulletin*, **60**:333-349.
- Posner, M.I. (1963). An information approach to thinking. *Air Force Office of Scientific Research Report 2635*, ASTIA, Document 276136, 1962. Extended abstract in Creative Talent Awards Series #2, Washington: AIR.

- Posner, M.I. (1964). Uncertainty as a predictor of similarity in the study of generalization. *Journal of Experimental Psychology*, **68**: 113-118.
- Posner, M.I. (1964). Information reduction in the analysis of sequential tasks. *Psychological Review*, **71**:491-504. Reprinted in Bobbs-Merrill reprint series.
- Posner, M.I. (1964). Effect of rate of presentation and order of recall in immediate memory. *British Journal of Psychology*, **55**:303-306. Reprinted in R. Haber (ed.), *Information Processing Approaches to Perception*.
- Posner, M.I. & Rossman, E. (1965). The effect of size and location of interpolated information reduction transforms upon short term retention. *Journal of Experimental Psychology*, **70**: 496-505.
- Posner, M.I. (1965). Memory and thought in human intellectual performance. *British Journal of Psychology*, **56**: 197-215.
- Posner, M.I. (1966). Components of skilled performance. *Science*, **152**: 1712-1718. Reprinted in R.N. Singer (ed.), *Readings in Motor Learning*.
- Posner, M.I. & Konick, A.F. (1966). Short term retention of visual and kinesthetic information. *Journal of Organization Behavior and Human Performance*, **1**: 71-86.
- Posner, M.I. (1966). An informational analysis of the perception and classification of patterns. *Proceedings of the XVIII the International Congress Symposium on Information Theory and Perception*, Moscow.
- Fitts, P.M. & Posner, M.I. (1967). *Human Performance*, Belmont, CA Brooks/Cole.
- Posner, M.I., Goldsmith, R., & Welton, K.E. (1967). Perceived distance and the classification of distorted patterns. *Journal of Experimental Psychology*, **72**: 28-38.
- Posner, M.I. (1967). Short term memory systems in human information processing. *Proceedings of the Symposium on Attention and Performance*, Soesterberg, The Netherlands. *Acta Psychologica*, **27**: 267-284. Reprinted in R. Haber (ed.), *Information Processing Approaches to Perception*.
- Posner, M.I. (1967). Concept identification: Information processing approaches. *Encyclopedia of Linguistics, Information and Control*. London: Pergamon.
- Posner, M.I. (1967). Perception and cognition as processing levels. Paper delivered at the conference on "Approaches to Cognition," October 1967. In Voss (ed.), *Approaches to Thought*, New York: Merrill.
- Posner, M.I. (1967). Characteristics of visual and kinesthetic memory codes. *Journal of Experimental Psychology*, **75**: 103-107.
- Posner, M.I. & Mitchell, R.F. (1967). Chronometric analysis of classification. *Psychological Review*, **74**: 392-409.
- Posner, M.I. & Keele, S.W. (1967). Decay of visual information from a single letter. *Science*, **158**: 137-139. Reprinted in R. Haber (ed.), *Information Processing Approaches to Perception*.
- Keele, S.W. & Posner, M.I. (1968). Processing of visual feedback in rapid movements. *Journal of Experimental Psychology*, **77**: 155-158.
- Posner, M.I. & Keele, S.W. (1968). On the genesis of abstract ideas. *Journal of Experimental Psychology*, **77**: 353-363.
- Posner, M.I., Boies, S.W., Eichelman, W., & Taylor, R. (1969). Retention of visual and name codes of single letters. *Journal of Experimental Psychology Monography*, **79**:1-16. Reprinted in M. Coltheart (ed.), *Readings in Cognition*, New York: Holt, Rinehart and Winston, 1972.
- Posner, M.I. & Keele, S.W. (1969). Attention demands of movements. *Proceedings of the 16th International Congress of Applied Psychology Symposium on Work and Fatigue*. Amsterdam, Swets: Zeitlinger.
- Posner, M.I. (1969). Representational systems for storing information in memory. In Talland and Waugh (eds.), *Psychopathology of Memory*, New York: Academic Press.
- Posner, M.I. & Taylor, R.L. (1969). Subtractive method applied to separation of visual and name components of multi letter arrays. Paper presented to Donders Centenary

- Symposium, Eindhoven, The Netherlands, August, 1968. *Acta Psychologica*, **30**:104-114.
- Posner, M.I. (1969). Abstraction and the process of recognition. In G. Bower (ed.), *Advances in Learning*, New York: Academic Press.
- Posner, M.I. (1969). Reduced attention and the performance of "automated movements". *Journal of Motor Behavior*, **1**: 245-258.
- Posner, M.I. & Keele, S.W. (1970). Retention of abstract ideas. *Journal of Experimental Psychology*, **83**: 304-308.
- Posner, M.I. (1970). On the relationship between letter names and superordinate categories. *Quarterly Journal of Experimental Psychology*, **22**: 279-287.
- Posner, M.I. (1971). Perception. In, *Yearbook of Science and Technology*, New York: McGraw Hill.
- Posner, M.I. (1971). Cognition: Hard boiled and soft shelled. A review of Antrobus, J. *Cognition and Affect: Contemporary Psychology*, **16**: 547-548.
- Posner, M.I. & Boies, S.J. (1972). Components of attention. *Psychological Review*, **78**: 391-408. Reprinted in M. Coltheart (ed.), *Readings in Cognition*. New York: Holt, Rinehart and Winston.
- Posner, M.I. & Keele, S.W. (1972). Skill learning. In R. Travers (ed.), *Handbook of Research in Teaching*, (American Research Association). New York: Rand McNally.
- Posner, M.I., Lewis, J., & Conrad, C. (1972). Component processes in reading: A performance analysis. In J. Kavanaugh and I. Mattingly (eds.), *Language by Ear and by Eye*. Boston: MIT Press, (pp; 159-192).
- Posner, M.I. & Warren, R. (1972). Traces, concepts and conscious constructions. In A.W. Melton and E. Martin (eds.), *Coding Theory and Learning and Memory*. New York: Winston, (pp 25-43).
- Posner, M.I. (1972). After the revolution...What? A review of D. Broadbent (ed.), *Decision and Stress*, *Contemporary Psychology*, **17**: 185-188.
- Posner, M.I. (1973). Natural and artificial. In R. Solso (ed.), *Contemporary Issues in Cognitive Psychology: The Loyola Symposium*, New York: Wiley.
- Posner, M.I. & Klein, R. (1973). On the functions of consciousness. In S Korkblum (ed.), *Attention and Performance IV*, New York: Academic Press.
- Osgood, G.W., Posner, M.I., & Lyon, D.R. (1973). Computers in the training of experimental inquiry in psychology. *Proceedings of the Fourth Conference of Computers in the Undergraduate Curriculum*, Claremont, California.
- Posner, M.I. (1973). Coordination on internal codes. In W.G. Chase (ed.), *Visual Information Processing*, New York: Academic Press ( pp. 35-73).
- Posner, M.I., Klein, R., Summers, J., & Buggie, S. (1973). On the selection of signals. *Memory and Cognition*, **1**: 2-12.
- Klein, R. & Posner, M.I. (1974). Attention to visual and kinesthetic components of skills. *Brain Research*, **7**:401-411.
- Posner, M.I. (1974). *Cognition: An introduction*. Glenview, IL: Scott-Foresman.
- Posner, M.I. (1974). The memory system. A review of J. Anderson and G. Bower's *Human Associative Memory*. *Science*, **183**: 1283-1284.
- Posner, M.I. & Snyder, C.R.R. (1975). Facilitation and inhibition in the processing of signals. *Attention and Performance V*, New York Press, (pp. 669-681).
- Posner, M.I. (1975). Psychobiology of attention. In M. Gazzaniga and C. Blakemore (eds.), *Handbook of Psychobiology*. New York: Academic Press, (pp. 441-480).
- Posner, M.I. (1975). Temporal course of information processing in the human nervous system. In G.F. Inbar (ed.), *Signal Analysis in Pattern Recognition and Biochemical Engineering*. Jerusalem: Israel Universities Press, (pp. 157-176).
- Posner, M.I., & Snyder, C.R.R. (1975). Attention and cognitive control. In R. Solso (ed.), *Information Processing and Cognition: The Loyola Symposium*.

- Hillsdale, N.J.: Lawrence Erlbaum Associates.
- Posner, M.I., Nissen, M.J., & Klein, R. (1976). Visual dominance: An information processing account of its origins and significance. *Psychological Review*, **83**: 157-17. Proceedings of the International Congress of Physical Activity Sciences, Quebec City, 1976.
- Posner, M.I., Nissen, M.J., & Ogden, W.C. (1977). Attended and unattended processing modes: the role of set from spatial location. In H.J. Pick (ed.), *Modes of Perception*. Hillsdale, N.J.: Lawrence Erlbaum Associates.
- Posner, M.I. (1977). Applying theories and theorizing about applications. In L. Resnick and P. Weaver (eds.), *Theory and Applications of Reading*.
- Posner, M.I. & McLean, J. (1977). Cognition: Steady progress or fresh start? A review of U. Neisser's, *Cognition and Reality*, *Contemporary Psychology*.
- Posner, M.I. (1978). *Chronometric Explorations of Mind*. Hillsdale, N.J.: Lawrence Erlbaum Associates.
- Carr, T.H., Posner, M.I., Pollatsek, A. & Snyder, C.R.R. (1979). Orthography and familiarity effects in words processing. *Journal of Experimental Psychology: General*, **108**: 389-414.
- Posner, M.I. (1979). Comparing chronometric methods. *Commentary: The Behavioral and Brain Sciences*, **2**: 276.
- Sen, A. & Posner, M.I. (1979). The effect of unattended auditory and visual words on cross modal naming. *Bulletin of the Psychonomic Society*, **13**: 405-408.
- Posner, M.I. & Shulman, G.L. (1979). Cognitive Science. In E. Hearst (ed.), *The First 100 Years of Experimental Psychology*, (pp. 371-406).
- Posner, M.I. & Cohen, Y. (1980). Attention and the control of movements. In G.E. Stelmach and J. Requin (eds.), *Tutorials in Motor Behavior*. Amsterdam: North Holland, (pp. 243-258).
- Posner, M.I., Davidson, B.J. & Snyder, C.R.R. (1980). Attention and the detection of signals. *Journal of Experimental Psychology: General*, **109**: 160-174.
- Posner, M.I. (1980). Orienting of attention. The 7th Sir F.C. Bartlett Lecture. *Quarterly Journal of Experimental Psychology*. **32**: 3-25.
- Posner, M.I. & Hanson, V.L. (1980). Analyzing spoken and written language. In R. A. Cole (ed.), *Perception and Production of Fluent Speech*. Hillsdale, N.J.: Lawrence Erlbaum Associates, (pp. 201-211).
- Posner, M.I. (1980). Mental chronometry and the problem of consciousness. In R. Klein and P. Juszyck (eds.), *Structure of Thought: Essays in Honor of D.O. Hebb*, Hillsdale, N.J.: Lawrence Erlbaum Associates, (pp. 95-113).
- Posner, M.I. & Osgood, G. (1980). Computers in the training of inquiry. *Behavioral Research and Instrumentation*, **12**: 87-905.
- Posner, M.I. & Rothbart, M.K. (1980). The development of attentional mechanisms. In J.H. Flowers (ed), *Nebraska Symposium on Motivation*. Lincoln Neb.: Nebraska University Press, (pp. 1-49).
- Posner, M.I. (1981). Cognition and neural systems. *Cognition*, **10**: 261-266.
- Posner, M.I. (1981). Cognition and personality. In N. Cantor and J. Kihlstrom (eds.), *Personality, Cognition and Social Interaction*. Hillsdale, N.J.: Lawrence Erlbaum, (pp. 339-348).
- Posner, M.I. (1982). Cumulative development of attentional theory. *American Psychologist*, **32**: 53-64.
- Posner, M.I., Cohen, Y., & Rafal, R.D. (1982). Neural systems control of spatial orienting. *Proceedings of the Royal Society of London*, **298**: 187-198.
- Posner, M.I. & McLeod, P. (1982). Information processing models: In search of elementary operations. *Annual Review of Psychology*, **33**: 477-514.
- Posner, M.I., Pea, R. & Volpe, B. (1982). Cognitive neuroscience: Developments toward a science of synthesis. In J. Mehler, E. Walker and M. Garrett (eds.),

- Perspectives on Mental Representations*. Hillsdale, N.J.: Lawrence Erlbaum Associates, (pp. 251-275).
- Posner, M.I. & Henik, A. (1983). Isolating representational systems. In J. Beck, B. Hope and A. Rosenfeld (eds.), *Human and Machine Vision*, New York: Academic Press, (pp.395-412).
- McLeod, P. & Posner, M.I. (1984). Privileged loops from percept to act. In H. Bouma and D. Bowhuis (eds.), *Attention and Performance X*, Hillsdale, N.J.: Lawrence Erlbaum Associates, (pp. 55-66).
- Posner, M.I. & Cohen, Y. (1984). Components of attention. In H. Bouma and D. Bowhuis (eds.), *Attention and Performance X*. Hillsdale N.J.:Lawrence Erlbaum Associates, (pp. 531-556).
- Posner, M.I., Cohen, Y., Choate, L., Hockey, R., & Maylor, E. (1984). Sustained concentration: Passive filtering or active orienting. In S. Kornblum and J. Requin (eds.), *Preparatory States and Processes*, Hillsdale, N.J.: Lawrence Erlbaum Associates, (pp. 49-65).
- Posner, M.I. (1984). Neural systems and cognitive processes. In K. Lagerspetz and P. Niemi (eds.), *Psychology in the 1990's*, Amsterdam:North Holland, (pp. 241-251).
- Posner, M.I., Walker, J.A., Friedrich, F. J. & Rafal, R.D. (1984). Effects of parietal lobe injury on covert orienting of visual attention. *Journal of Neuroscience*, **4**: 1863-1874.
- Posner, M.I. (1984). Mechanisms of attention. In H. Stevenson and C. C. Ching (eds.), *Studies of Cognition*. Proceedings of a joint meeting of the Chinese and U.S. Academy of Sciences. Washington, D.C.: American Psychological Association, (pp. 373-380).
- Posner, M.I. (1984). Current research in the study of selective attention. In E. Donchin (ed.), *Cognitive Psychophysiology: Event-related Potentials and the Study of Cognition*, **2**: 37-50. Hillsdale, N.J.:Lawrence Erlbaum.
- Rafal, R.D., Posner, M.I., Walker, J.A., & Friedrich, F.A. (1984). Cognition and the basal ganglia: separating mental and motor components of performance in Parkinson's disease. *Brain*, **107**: 1092-1094.
- Posner, M.I. (1984). Selective attention and the storage of information. In J. McGaugh, G. Lynch and N. Weinberger (eds.), *Neurobiology of Learning and Memory*, New York: Guilford Press, (pp. 89-101).
- Friedrich, F.J., Walker, J.A., & Posner, M.I. (1985). Effects of parietal lesions on visual matching: Implications for reading errors. *Cognitive Neuropsychology*, **2**: 250-264.
- Posner, M.I., Rafal, R.D., Choate, L. & Vaughan, J. (1985). Inhibition of return: Neural mechanisms and function. *Cognitive Neuropsychology*, **2**: 211-228.
- Posner, M.I. (1985). Chronometric measures of "g". Commentary on A.R. Jensen's, *The Nature of Black White Differences on Various Psychometric Tests: Spearman's Hypothesis*. *The Behavioral and Brain Sciences*, (pp. 237-238).
- Posner, M.I. & Marin, O.S.M (eds.) (1985). *Attention and Performance XI: Mechanisms of Attention*. Hillsdale, N.J.: Lawrence Erlbaum.
- Rothbart, M.K. & Posner, M.I. (1985). Temperament and the development of self regulation. In H. Hartledge and C.R. Telzrow (eds.), *Neuropsychology of Individual Differences*, New York: Plenum.
- Posner, M.I. (1986). *Chronometric Explorations of Mind*. Paperback edition. New York: Oxford.
- Posner, M.I. (1986). A framework for relating cognitive and neural systems. *EEG and Clinical Neurophysiology*, **38**: 155-166, Supplement.
- Posner, M.I. (1986). Empirical studies of prototypes. In C. Craig (ed.), *Noun Classification and Categorization*. Amsterdam: Benjamins, (pp. 53-61).
- Posner, M.I. & Friedrich, F.J. (1986). Attention and the control of cognition. In S.L. Friedrich, K.A. Klivington, and R.W. Peterson (eds.), *The Brain, Cognition and Education*. New York: Academic Press. (pp. 81-103).



- Prinzmetal, W., Presti, D. & Posner, M.I. (1986). Does attention affect feature integration? *Journal of Experimental Psychology: Human Perception and Performance*, **12**: 361-369.
- Posner, M.I. (ed.), (1986). Section on information processing. In: K. Boff, J. Thomas, and L. Kaufman (eds.), *Handbook of Perception and Performance*, **2**: 3-10, New York: Wiley.
- Posner, M.I. & Rothbart, M.K. (1986). The concept of energy in psychological theory. In Hockey, G.R.J., Gaillard, A.W.K., and M.G.N. Coles, (eds.), *Energetics and Human Information Processing*. North Holland, Dordrecht: Martinus Nijhoff, (pp. 23-40).
- Posner, M.I. & Rafal, R.D. (1986). Cognitive theories of attention and the rehabilitation of attentional deficit. In R. J. Meir, L. Diller, and A.C. Benton (eds.), *Neuropsychological Rehabilitation*. London: Churchill-Livingston.
- Posner, M.I. & Presti, D. (1987). Selective attention and cognitive control. *Trends in Neuroscience*, **10**: 12-17.
- Posner, M.I., Walker, J.A., Friedrich, F.J. & Rafal, R.D. (1987). How do the parietal lobes direct covert attention? *Neuropsychologia*, **25A**: 135-146.
- Posner, M.I. (1987). Cognitive neuropsychology and the problem of selective attention. In, *EEG and Clinical Neurophysiology*, **39**: 313-316, Supplement.
- Posner, M.I. (1987). Preface to paperback edition of D.E. Broadbent, *Perception and Communication*. Oxford University Press.
- Posner, M.I., Inhoff, A., Friedrich, F.J. & Cohen, A. (1987). Isolating attentional systems: A cognitive-anatomical analysis. *Psychobiology*, **15**: 107-121.
- Sandson, J. & Posner, M.I. (1987). Procedures for the study of brain-behavior relations. Book review in *Contemporary Psychology*, **32**: 717-718.
- Rafal, R.D. & Posner, M.I. (1987). Deficits in human spatial attention following thalamic lesions. *Proc. Nat. Acad. of Sci.*, **84**: 7349-7353.
- Posner, M.I. (1987). Selective attention in head injury. In H.S. Levin, H.M. Eisenberg & J. Grafman (eds.), *Neurobehavioural Recovery From Head Injury*, Oxford University Press: New York (pp. 390-397).
- Petersen, S.E., Fox, P.T., Posner, M.I., Mintun, M. & Raichle, M.E. (1987). Positron emission tomographic studies of the cortical anatomy of single word processing. *Nature*, **331**: 585-589.
- Posner, M.I. (1988). Structures and functions of selective attention. In T. Boll and B. Bryant (eds.), *Master Lectures in Clinical Neuropsychology and Brain Function: Research, Measurement, and Practice*, American Psychological Association (pp. 171-202).
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