

## CURRICULUM VITAE

**Endel Tulving**

### **Personal**

<b>Date of Birth:</b>	<b>May 26, 1927</b>
<b>Place of Birth:</b>	<b>Estonia</b>
<b>Citizenship:</b>	<b>Canadian and Estonian</b>
<b>Home:</b>	<b>45 Baby Point Crescent, Toronto, Ontario M6S 2B7</b>

### **Education**

<b>B.A.</b>	<b>University of Toronto, 1953 (Honours Psychology)</b>
<b>M.A.</b>	<b>University of Toronto, 1954 (Psychology)</b>
<b>Ph.D.</b>	<b>Harvard University, 1957 (Experimental Psychology)</b>

### **Employment**

<b>1992-</b>	<b>University Professor Emeritus, University of Toronto</b>
<b>1992-2010</b>	<b>Tanenbaum Chair in Cognitive Neuroscience, Rotman Research Institute of Baycrest, University of Toronto</b>
<b>1996-2006</b>	<b>Clark Way Harrison Distinguished Visiting Professor of Psychology and Cognitive Neuroscience, Washington University in St Louis</b>
<b>1994-1998</b>	<b>Distinguished Research Professor of Neuroscience, and Distinguished Professor of Psychology, University of California, Davis</b>
<b>1985-1992</b>	<b>University Professor, University of Toronto</b>
<b>1977-1978</b>	<b>Commonwealth Visiting Professor, University of Oxford</b>
<b>1974-1980</b>	<b>Chairman, Dept. of Psychology, University of Toronto</b>
<b>1972-1992</b>	<b>Professor of Psychology, University of Toronto</b>
<b>1970-1975</b>	<b>Professor of Psychology, Yale University</b>
<b>1965-1970</b>	<b>Professor of Psychology, University of Toronto</b>
<b>1962-1965</b>	<b>Associate Professor of Psychology, University of Toronto</b>
<b>1959-1962</b>	<b>Assistant Professor of Psychology, University of Toronto</b>
<b>1956-1959</b>	<b>Lecturer, University of Toronto</b>
<b>1955-1956</b>	<b>Teaching Fellow, Harvard University</b>
<b>1954-1955</b>	<b>Research Assistant, Harvard University</b>

### **Professional Activities**

<b>1964-1984</b>	<b>Editorial Board, <u>Journal of Verbal Learning and Verbal Behavior</u></b>
<b>1965-1968</b>	<b>Associate Committee on Experimental Psychology, National Research Council</b>
<b>1966-1973</b>	<b>Editorial Board, <u>Journal of Experimental Psychology</u></b>

<b>1968-1972</b>	<b>Editor, <u>Journal of Verbal Learning and Verbal Behavior</u></b>
<b>1972-1974</b>	<b>Psychobiology Panel, National Science Foundation, Washington, D.C.</b>
<b>1975-1981</b>	<b>Governing Board, Psychonomic Society</b>
<b>1976-1982</b>	<b>Publications Committee, Psychonomic Society; Chairman, 1981-1982</b>
<b>1978-1982</b>	<b>Representative of Canada to the International Union of Psychological Sciences</b>
<b>1979-1995</b>	<b>Editorial Board, Oxford Psychology Series, Oxford University Press</b>
<b>1985-1988</b>	<b>Editorial Board, <u>Journal of Memory and Language</u></b>
<b>1988-1999</b>	<b>Advisory Board, McDonnell-Pew Program in Cognitive Neuroscience</b>

### Honours and Awards

<b>1954-1955</b>	<b>Harvard Foundation Fellowship</b>
<b>1969</b>	<b>Fellow, Society of Experimental Psychologists</b>
<b>1972</b>	<b>Master of Arts (h.c.), Yale University</b>
<b>1972-1973</b>	<b>Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, California</b>
<b>1976</b>	<b>Izaak Walton Killam Memorial Scholarship, Canada Council</b>
<b>1977-1978</b>	<b>Commonwealth Visiting Professor, University of Oxford</b>
<b>1979</b>	<b>Fellow, Royal Society of Canada</b>
<b>1982</b>	<b>Warren Medal, Society of Experimental Psychologists</b>
<b>1982</b>	<b>Doctor of Philosophy (h.c.), University of Umea, Sweden</b>
<b>1983</b>	<b>Distinguished Scientific Contribution Award, American Psychological Association</b>
<b>1983</b>	<b>Award for Distinguished Contributions to Psychology as a Science, Canadian Psychological Association</b>
<b>1985</b>	<b>University Professor, University of Toronto</b>
<b>1986</b>	<b>Foreign Honorary Member, American Academy of Arts and Sciences</b>
<b>1987</b>	<b>Doctor of Letters (h.c.), University of Waterloo</b>
<b>1987</b>	<b>Guggenheim Fellowship</b>
<b>1988</b>	<b>Foreign Associate, National Academy of Sciences, U.S.A.</b>
<b>1988</b>	<b>Doctor of Letters (h.c.), Laurentian University</b>
<b>1989</b>	<b>Doctor of Philosophy (h.c.), University of Tartu, Estonia</b>
<b>1990</b>	<b>William James Fellow, American Psychological Society</b>
<b>1991</b>	<b>Foreign Member, Royal Swedish Academy of Sciences</b>
<b>1992</b>	<b>Fellow, Royal Society of London</b>
<b>1994</b>	<b>Killam Prize in Health Sciences, Canada Council</b>
<b>1994</b>	<b>Gold Medal Award for Life Achievement in Psychological Science, American Psychological Foundation</b>
<b>1996</b>	<b>Doctor of Science (h.c.), Queen's University</b>
<b>1996</b>	<b>Foreign Member, Academia Europaea</b>
<b>1996</b>	<b>McGovern Award, American Association for the Advancement of Science</b>
<b>1999</b>	<b>Montgomery Fellow, Dartmouth College</b>
<b>2001</b>	<b>Doctor of Science (h.c.), University of Toronto</b>
<b>2003</b>	<b>Doctor of Philosophy (h.c.), University of Haifa</b>

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|-------------|-------------------------------------------------------------------------|
| <b>2003</b> | <b>Wilhelm Wundt—William James Award, American Psychol. Association</b> |
| <b>2005</b> | <b>Doctor of Science (h.c.), Columbia University</b>                    |
| <b>2005</b> | <b>Gairdner International Award</b>                                     |
| <b>2006</b> | <b>Officer of the Order of Canada</b>                                   |
| <b>2007</b> | <b>Canadian Medical Hall of Fame</b>                                    |
| <b>2009</b> | <b>Pasteur-Weizmann/Servier International Prize</b>                     |

## ENDEL TULVING

### Publications

Stevens, J.C., & Tulving, E. (1957). Estimations of loudness by a group of untrained observers. American Journal of Psychology, 70, 600-605

Tulving, E. (1958). The relation of visual acuity to convergence and accommodation. Journal of Experimental Psychology, 55, 530-534.

Heinemann, E.G., Tulving, E., & Nachmias, J. (1959). The effect of oculomotor adjustments on apparent size. American Journal of Psychology, 72, 32-45.

Tulving, E., & Thornton, G.B. (1959). Interaction between proaction and retroaction in short-term retention. Canadian Journal of Psychology, 13, 255-265.

Freibergs, V., & Tulving, E. (1961). The effect of practice on utilization of information from positive and negative instances in concept identification. Canadian Journal of Psychology, 15, 101-106.

Tulving, E. (1962). Subjective organization in free recall of "unrelated" words. Psychological Review, 69, 344-354.

Tulving, E., & Patkau, J.E. (1962). Concurrent effects of contextual constraint and word frequency on immediate recall and learning of verbal material. Canadian Journal of Psychology, 16, 83-95.

Tulving, E. (1962). The effect of alphabetical subjective organization on memorizing unrelated words. Canadian Journal of Psychology, 16, 185-191.

Fryatt, M.J., & Tulving, E. (1963). Interproblem transfer in identification of concepts involving positive and negative instances. Canadian Journal of Psychology, 17, 106-117.

Tulving, E. (1963). Familiarity of letter sequences and tachistoscopic identification. American Journal of Psychology, 76, 143-146.

Tulving, E., & Gold, C. (1963). Stimulus information and contextual information as determinants of tachistoscopic recognition of words. Journal of Experimental Psychology, 66, 319-327.

Tulving, E., & Arbuckle, T.Y. (1963). Sources of intratrial interference in immediate recall of paired associates. Journal of Verbal Learning and Verbal Behavior, 1, 321-334.

Tulving, E., Mandler, G., & Baumal, R. (1964). Interaction of two sources of information in tachistoscopic word recognition. Canadian Journal of Psychology, 18, 62-71.

Tulving, E. (1964). Intratrial and intertrial retention: Notes towards a theory of free recall verbal learning. Psychological Review, 71, 219-237.

Tulving, E. (1965). The effect of order of presentation on learning of "unrelated" words. Psychonomic Science, 3, 337-338.

Lindsay, P.H., Cuddy, L.L., & Tulving, E. (1965). Absolute judgements of simultaneously presented visual and auditory stimuli. Psychonomic Science, 2, 211-212.

Tulving, E., McNulty, J.A., & Ozier, M. (1965). Vividness of words and learning to learn in free-recall learning. Canadian Journal of Psychology, 19, 242-252.

Tulving, E. (1966). Subjective organization and effects of repetition in multi-trial free-recall learning. Journal of Verbal Learning and Verbal Behavior, 5, 193-197.

Tulving, E., & Arbuckle, T.Y. (1966). Input and output interference in short-term associative memory. Journal of Experimental Psychology, 72, 145-150.

Tulving, E., & Pearlstone, Z. (1966). Availability versus accessibility of information in memory for words. Journal of Verbal Learning and Verbal Behavior, 5, 381-391.

Tulving, E. (1967). The effects of presentation and recall of material in free- recall learning. Journal of Verbal Learning and Verbal Behavior, 6, 175-184.

Tulving, E., & Lindsay, P.H. (1967). Identification of simultaneously presented simple visual and auditory stimuli. Acta Psychologica, 27, 101-109.

Tulving, E., & Osler, S. (1967). Transfer effects in whole-part free-recall learning. Canadian Journal of Psychology, 21, 235-244.

Tulving, E. (1968). When is recall higher than recognition? Psychonomic Science, 10, 53-54.

Tulving, E. (1968). Organized retention and cued recall. In H.J. Klausmeier and G.T. O'Hearn (Eds.), Research and Development Toward the Improvement of Education (pp. 3-13). Madison, WI: Dembar Educational Research Services.

Tulving, E., & Osler, S. (1968). Effectiveness of retrieval cues in memory for words. Journal of Experimental Psychology, 77, 593-601.

Tulving, E., & Patterson, R.D. (1968). Functional units and retrieval processes in free recall. Journal of Experimental Psychology, 77, 239-248.

Tulving, E. (1968). Theoretical issues in free recall. In T.R. Dixon and D.L. Horton (Eds.), Verbal Behavior and General Behavior Theory (pp. 2-36). Englewood Cliffs, N.J.: Prentice Hall.

- Tulving, E. (1969). Retrograde amnesia in free recall. Science, 164, 88-90.
- Tulving, E., & Madigan, S.A. (1970). Memory and verbal learning. Annual Review of Psychology, 21, 437-484.
- Tulving, E., & Colotla, V.A. (1970). Free recall of trilingual lists. Cognitive Psychology, 1, 86-98.
- Tulving, E. (1970). Short- and long-term memory: Different retrieval mechanisms. In D.E. Broadbent and K.H. Pribram (Eds.), Biology of Memory (pp. 7-9). New York: Academic Press.
- Thomson, D.M., & Tulving, E. (1970). Associative encoding and retrieval: Weak and strong cues. Journal of Experimental Psychology, 86, 255-262.
- Tulving, E., & Psotka, J. (1971). Retroactive inhibition in free recall: Inaccessibility of information available in the memory store. Journal of Experimental Psychology, 87, 1-8.
- Tulving, E., & Thomson, D.M. (1971). Retrieval processes in recognition memory: Effects of associative context. Journal of Experimental Psychology, 1971, 87, 116-124.
- Tulving, E., & Hastie, R. (1972). Inhibition effects of intralist repetition in free recall. Journal of Experimental Psychology, 92, 297-304.
- Tulving, E., & Donaldson, W. (Eds.) (1972). Organization of Memory. New York: Academic Press.
- Tulving, E. (1972). Episodic and semantic memory. In E. Tulving and W. Donaldson (Eds.), Organization of Memory (pp. 381-403). New York: Academic Press.
- Tulving, E., & Watkins, M.J. (1973). Continuity between recall and recognition. American Journal of Psychology, 86, 739-748.
- Tulving, E., & Thomson, D.M. (1973). Encoding specificity and retrieval processes in episodic memory. Psychological Review, 80, 352-373.
- Mathews, R.C., & Tulving, E. (1973). Effects of three types of repetition on cued and noncued recall of words. Journal of Verbal Learning and Verbal Behavior, 12, 707-721.
- Tulving, E. (1974). Cue-dependent forgetting. American Scientist, 62, 74-82.
- Tulving, E., & Bower, G.H. (1974). The logic of memory representation. In G.H. Bower (Ed.), The Psychology of Learning and Motivation (Vol. 8, pp. 265- 301). New York: Academic Press.
- Bartlett, J.C., & Tulving, E. (1974). Effects of temporal and semantic encoding in immediate recall upon subsequent retrieval. Journal of Verbal Learning and Verbal Behavior, 13, 297-309.

Tulving, E., & Watkins, M.J. (1974). On negative transfer: Effects of testing one list on the recall of another. Journal of Verbal Learning and Verbal Behavior, 13, 181-193.

Tulving, E. (1974). Recall and recognition of semantically encoded words. Journal of Experimental Psychology, 102, 778-787.

Watkins, M.J., & Tulving, E. (1975). Episodic memory: When recognition fails. Journal of Experimental Psychology: General, 104, 5-29.

Watkins, M.J., & Tulving, E. (1975). Recall and recognition: A reply to Light, Kimble and Pellegrino. Journal of Experimental Psychology: General, 104, 37-38.

Wiseman, S., & Tulving, E. (1975). A test of the confusion theory of encoding specificity. Journal of Verbal Learning and Verbal Behavior, 14, 370-381.

Tulving, E., & Wiseman, S. (1975). Relation between recognition and recognition failure of recallable words. Bulletin of the Psychonomic Society, 6, 79-82.

Craik, F.I.M., & Tulving, E. (1975). Depth of processing and the retention of words in episodic memory. Journal of Experimental Psychology: General, 104, 268-294.

Tulving, E., & Watkins, M.J. (1975). Structure of memory traces. Psychological Review, 82, 261-275.

Tulving, E. (1976). Ecphoric processes in recall and recognition. In J. Brown (Ed.), Recall and Recognition (pp. 37-73). London: Wiley.

Ehrlich, S., & Tulving, E. (Eds.) (1976). La memoire semantique. Paris: Bulletin de Psychologie, numero special.

Tulving, E. (1976). Role de la memoire semantique dans le stockage et la recuperation de l'information episodique. In S. Ehrlich and E. Tulving (Eds.), La memoire semantique. Paris: Bulletin de Psychologie, numero special.

Wiseman, S., & Tulving, E. (1976). Encoding specificity: Relation between recall superiority and recognition failure. Journal of Experimental Psychology: Human Learning and Memory, 2, 349-361.

O'Neill, M.E., Sutcliffe, J.A., & Tulving, E. (1976). Retrieval cues and release from proactive inhibition. American Journal of Psychology, 89, 535-543.

Watkins, M.J., Ho, E., & Tulving, E. (1976). Context effects in recognition memory for faces. Journal of Verbal Learning and Verbal Behavior, 15, 505-517.

Sternberg, R.J., & Tulving, E. (1977). The measurement of subjective organization in free recall. Psychological Bulletin, 84, 539-556.

Tulving, E., & Watkins, O.C. (1977). Recognition failure of words with a single meaning. Memory and Cognition, 5, 513-522.

Roediger, H.L., Stellon, C.C., & Tulving, E. (1977). Inhibition from part-list cues and rate of recall. Journal of Experimental Psychology: Human Learning and Memory, 3, 174-188.

Schacter, D.L., Eich, J.E., & Tulving, E. (1978). Richard Semon's theory of memory. Journal of Verbal Learning and Verbal Behavior, 17, 721-743.

Watkins, M.J., & Tulving, E. (1978). When retrieval cueing fails. British Journal of Psychology, 69, 443-450.

Flexser, A.J., & Tulving, E. (1978). Retrieval independence in recognition and recall. Psychological Review, 85, 153-171.

Tulving, E. (1979). Memory research: What kind of progress? In L-G Nilsson (Ed), Perspectives in Memory Research (pp. 19-34). Hillsdale, N.J.: Erlbaum

Tulving, E. (1979). Relation between encoding specificity and levels of processing. In L.S. Cermak & F.I.M. Craik (Eds.), Levels of Processing in Human Memory (pp. 405-428). Hillsdale, N.J.: Erlbaum.

Roediger, H.L., & Tulving, E. (1979). Exclusion of learned material from recall as a postretrieval operation. Journal of Verbal Learning and Verbal Behavior, 18, 601-615.

Gardiner, J.M., & Tulving, E. (1980). Exceptions to recognition failure of recallable words. Journal of Verbal Learning and Verbal Behavior, 19, 194-209.

Ogilvie, J.C., Tulving, E., Paskowitz, S., & Jones, G.V. (1980). Three-dimensional memory traces: A model and its application to forgetting. Journal of Verbal Learning and Verbal Behavior, 19, 405-415.

Tulving, E. (1981). Similarity relations in recognition. Journal of Verbal Learning and Verbal Behavior, 20, 479-496.

Schacter, D.L., & Tulving, E. (1982). Amnesia and memory research. In L.S. Cermak (Ed.), Human Memory and Amnesia (pp. 1-32). Hillsdale, N.J.: Erlbaum.

Tulving, E. (1982). Synergistic ecphory in recall and recognition. Canadian Journal of Psychology, 36, 130-147.

Tulving, E., Schacter, D.L., & Stark, H.A. (1982). Priming effects in word- fragment completion are independent of recognition memory. Journal of Experimental Psychology: Learning, Memory, and Cognition, 8, 336-342.

Flexser, A.J., & Tulving, E. (1982). Priming and recognition failure. Journal of Verbal Learning and Verbal Behavior, 21, 237-248.

Schacter, D.L., & Tulving, E. (1982). Memory, amnesia, and the episodic/semantic distinction. In R.L. Isaacson & N.E. Spear (Eds.), Expression of Knowledge (pp. 33-65). New York: Plenum.

Schacter, D.L., Wang, P.L., Tulving, E., & Freedman, M. (1982). Functional retrograde amnesia: A quantitative case study. Neuropsychologia, 20, 523-532.

Tulving, E. (1983). Elements of Episodic Memory. Oxford: Clarendon Press.

Tulving, E. (1983). Ecphoric processes in episodic memory. Philosophical Transactions of the Royal Society, London, B302, 361-371.

Tulving, E. (1984). Precis of Elements of Episodic Memory. Behavioral and Brain Sciences, 7, 223-238.

Tulving, E. (1984). Relations among components and processes of memory. Behavioral and Brain Sciences, 7, 257-268.

Tulving, E., & Press, S.J. (1984). A proposal for the development of a National Memory Inventory. In T.B. Jabine, M.L. Straf, J.M. Tanur and R. Tourangeau (Eds.), Cognitive Aspects of Survey Methodology: Building a Bridge Between Disciplines (pp. 44-60). Washington, D.C.: National Academy Press.

Tulving, E. (1984). Multiple learning and memory systems. In K.M.J. Lagerspetz & P. Niemi (Eds.), Psychology in the 1990's (pp. 163-184). North Holland: Elsevier Science Publishers B.V.

Tulving, E. (1985). Ebbinghaus's memory: What did he learn and remember? Journal of Experimental Psychology: Learning, Memory, and Cognition, 11, 485-490.

Tulving, E. (1985). On the classification problem in learning and memory. In L-G. Nilsson and T. Archer (Eds.), Perspectives in Learning and Memory (pp. 67- 94). Hillsdale, N.J.: Erlbaum.

Tulving, E. (1985). How many memory systems are there? American Psychologist, 40, 385-398.

Tulving, E. (1985). Memory and consciousness. Canadian Psychology, 26, 1-12.

Tulving, E. (1986). Episodic and semantic memory: Where should we go from here? Behavioral and Brain Sciences, 9, 573-577.

Tulving, E. (1986). What kind of a hypothesis is the distinction between episodic and semantic memory? Journal of Experimental Psychology Learning, Memory, and Cognition, 12, 307-311.

Glisky, E.L., Schacter, D.L., & Tulving, E. (1986). Learning and retention of computer-related vocabulary in memory-impaired patients: Method of vanishing cues. Journal of Clinical and Experimental Neuropsychology, 8, 292-312.

Glisky, E.L., Schacter, D.L., & Tulving, E. (1986). Computer learning by memory-impaired patients: Acquisition and retention of complex knowledge. Neuropsychologia, 24, 313-328.

Schacter, D.L., Moscovitch, M., Tulving, E., McLachlan, D.R., & Freedman, M. (1986). Mnemonic precedence in amnesic patients: An analogue of the AB error in infants? Child Development, 57, 816-823.

Tulving, E. (1987). Multiple memory systems and consciousness. Human Neurobiology, 6, 67-80.

Tulving, E. (1987). No eternal truth in GAPS. Behavioral and Brain Sciences, 10, 787-788.

Nilsson, L.-G., Dinniwell, M., & Tulving, E. (1987). Recognition failure of categorized words. Memory & Cognition, 15, 389-396.

Tulving, E. (1987). Memory experiments: A strategy for research. In H.S. Levin, H.M. Eisenberg and J. Grafman (Eds.), Neurobehavioral Recovery from Head Injury (pp. 341-351). London: Oxford University Press.

Sloman, S.A., Hayman, C.A.G., Ohta, N., Law, J., & Tulving, E. (1988). Forgetting in primed fragment completion. Journal of Experimental Psychology: Learning, Memory, and Cognition, 14, 223-239.

Tulving, E., Risberg, J., & Ingvar, D.H. (1988). Regional cerebral blood flow and episodic memory retrieval. Bulletin of the Psychonomic Society, 26, 522.

Tulving, E., Schacter, D.L., McLachlan, D.R., & Moscovitch, M. (1988). Priming of semantic autobiographical knowledge: A case study of retrograde amnesia. Brain and Cognition, 8, 3-20.

Nilsson, L.-G., Law, J., & Tulving, E. (1988). Recognition failure of recallable unique names: Evidence for an empirical law of memory and learning. Journal of Experimental Psychology: Learning, Memory, and Cognition, 14, 266-277.

Hayman, G.A.C., & Tulving, E. (1989). Contingent dissociation between recognition and fragment completion: The method of triangulation. Journal of Experimental Psychology: Learning, Memory, and Cognition, 1989, 15, 228-240.

Tulving, E. (1989). Remembering and knowing the past. American Scientist, 77, 361-367.

Tulving, E. (1989). Memory: Performance, knowledge, and experience. *European Journal of Cognitive Psychology*, 1, 3-26.

Hayman, G.A.C., & Tulving, E. (1989). Is priming in fragment completion based on a "traceless" memory system? *Journal of Experimental Psychology Learning, Memory, and Cognition*, 15, 941-956.

Tulving, E. (1990). Episodic memory. In M.W. Eysenck (Ed.), *The Blackwell Dictionary of Cognitive Psychology* (pp. 137-139). Oxford: Blackwell.

Tulving, E. (1990). Encoding operations in memory. In M.W. Eysenck (Ed.), *The Blackwell Dictionary of Cognitive Psychology* (pp. 134-135). Oxford: Blackwell.

Tulving, E. (1990). Encoding specificity principle. In M.W. Eysenck (Ed.), *The Blackwell Dictionary of Cognitive Psychology* (pp. 135-137). Oxford: Blackwell.

Tulving, E. (1990). Memory systems. In M.W. Eysenck (Ed.), *The Blackwell Dictionary of Cognitive Psychology* (pp. 222-223). Oxford: Blackwell.

Tulving, E., & Schacter, D.L. (1990). Priming and human memory systems. *Science*, 247, 301-306.

Tulving, E. (1991). Memory research is not a zero-sum game. *American Psychologist*, 46, 43-45.

Tulving, E. (1991). Ningen no fukusuu kioku sistemu. (Multiple human memory systems.) *Kagaku (Japanese Science Journal)*, 61, 263-270.

Tulving, E., Hayman, C.A.G., & Macdonald, C.A. (1991). Long-lasting perceptual priming and semantic learning in amnesia: A case experiment. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 17, 595- 617.

Tulving, E. (1991). Ben Murdock and complexities of memory. In W.E. Hockley & S. Lewandowsky (Eds.), *Relating Theory and Data: Essays on Human Memory in Honor of Bennet B. Murdock* (pp. 387-396). Hillsdale, N.J.: Erlbaum.

Tulving, E. (1991). Interview with Endel Tulving. *Journal of Cognitive Neuroscience*, 3, 89-94.

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Tulving, E. (1992). Memory systems and the brain. *Clinical Neuropharmacology*, 15, Suppl.1, Pt. A, 327- 328.

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Tulving, E., & Flexser, A.J. (1992). On the nature of the Tulving-Wiseman function. Psychological Review, 99, 543-546.

Tulving, E. (1992). Hermann Ebbinghaus. In L. Squire (Ed.), Encyclopedia of Learning and Memory (pp.151-154). New York: Macmillan.

Tulving, E. (1992). Episodic memory. In L. Squire (Ed.), Encyclopedia of Learning and Memory (pp. 161-163). New York: Macmillan.

Flexser, A.J., & Tulving, E. (1993). Recognition-failure constraints and the average maximum. Psychological Review, 100, 149-153.

Challis, B.H., Chiu, C.-Y., Kerr, S.A., Law, J., Schneider, L., Yonelinas, A., & Tulving, E. (1993). Perceptual and conceptual cueing in implicit and explicit retrieval. Memory, 1, 127-151.

Tulving, E. (1993). Self-knowledge of an amnesic individual is represented abstractly. In T.K. Srull & R.S. Wyer, Jr. (Eds.), The Mental Representation of Trait and Autobiographical Knowledge About the Self (pp. 147- 156). Hillsdale, NJ: Erlbaum.

Tulving, E. (1993). Varieties of consciousness and levels of awareness in memory. In A. Baddeley and L. Weiskrantz (Eds.), Attention: Selection, Awareness and Control. A Tribute to Donald Broadbent (pp. 283- 299). London: Oxford University Press.

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Tulving, E. (1993). What is episodic memory? Current Directions in Psychological Science, 2, 67-70.

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