

CURRICULUM VITAE

Endel Tulving

Personal

Date of Birth: May 26, 1927
Place of Birth: Estonia
Marital Status: Married to Ruth Tulving; Daughters Elo Ann and Linda; five grandchildren
Citizenship: Canadian
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Education

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

Employment

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

Professional Organizations

American Psychological Association (Fellow)
American Psychological Society (William James Fellow)
Canadian Psychological Association (Fellow)
Canadian Society for Brain, Behaviour and Cognitive Science
Society for Cognitive Neuroscience
Psychonomic Society

Other Professional Activities

1964-1984	Editorial Board, <u>Journal of Verbal Learning and Verbal Behavior</u>
1965-1968	Associate Committee on Experimental Psychology, National Research Council
1966-1973	Editorial Board, Journal of Experimental Psychology
1968-1972	Editor, <u>Journal of Verbal Learning and Verbal Behavior</u>
1972-1974	Psychobiology Panel, National Science Foundation, Washington, D.C.
1975-1981	Governing Board, Psychonomic Society
1976-1982	Publications Committee, Psychonomic Society; Chairman, 1981-1982
1978-1982	Representative of Canada to the International Union of Psychological Sciences
1979-1995	Editorial Board, Oxford Psychology Series, Oxford University Press
1985-1988	Editorial Board, <u>Journal of Memory and Language</u>
1988-1999	Advisory Board, McDonnell-Pew Program in Cognitive Neuroscience
1989-1999	Editorial Board, <u>European Journal of Cognitive Psychology</u>
1996-1999	Advisory Board, James S. McDonnell Foundation Centennial Fellowship Program

Honours and Awards

1954-1955	Harvard Foundation Fellowship
1969	Fellow, Society of Experimental Psychologists
1969	Master of Arts (h.c.), Yale University
1972-1973	Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, California
1976	Izaak Walton Killam Memorial Scholarship, Canada Council
1977-1978	Commonwealth Visiting Professor, University of Oxford
1979	Fellow, Royal Society of Canada
1982	Warren Medal, Society of Experimental Psychologists
1982	Doctor of Philosophy (h.c.), University of Umea, Sweden
1983	Distinguished Scientific Contribution Award, American Psychological Association
1983	Award for Distinguished Contributions to Psychology as a Science, Canadian Psychological Association
1985	University Professor, University of Toronto
1986	Foreign Honorary Member, American Academy of Arts and Sciences
1987	Doctor of Letters (h.c.), University of Waterloo
1987	Guggenheim Fellowship
1988	Foreign Associate, National Academy of Sciences, U.S.A.
1988	Doctor of Letters (h.c.), Laurentian University
1989	Doctor of Philosophy (h.c.), University of Tartu, Estonia
1990	William James Fellow, American Psychological Society
1991	Foreign Member, Royal Swedish Academy of Sciences
1992	Fellow, Royal Society of London
1994	Killam Prize in Health Sciences, Canada Council
1994	Gold Medal Award for Life Achievement in Psychological Science, APF
1996	Doctor of Science (h.c.), Queen's University
1996	Foreign Member, Academia Europaea
1996	McGovern Award, American Association for the Advancement of Science
1999	Montgomery Fellow, Dartmouth College
2001	Doctor of Science (h.c.), University of Toronto
2002	Foreign Member, Estonian Academy of Sciences
2003	Doctor of Philosophy (h.c.), University of Haifa
2003	Wilhelm Wundt--William James Award, European Feder. of Psychol. Associations
2005	Doctor of Science (h.c.), Columbia University
2005	Gairdner International Award
2006	Officer of the Order of Canada
2007	Canadian Medical Hall of Fame

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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., & Bauml, 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.
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- Tulving, E., & Colotla, V.A. (1970). Free recall of trilingual lists. Cognitive Psychology, 1, 86-98.
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- Thomson, D.M., & Tulving, E. (1970). Associative encoding and retrieval: Weak and strong cues. Journal of Experimental Psychology, 86, 255-262.
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- 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.
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- Ehrlich, S., & Tulving, E. (Eds.) (1976). La memoire semantique. Paris: Bulletin de Psychologie, numero special.

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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.

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

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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.

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

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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, 15, 228-240.

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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.

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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, 1991, 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.

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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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Danion, J.M., Weingartner, H., File, S.E., Jaffard, R., Sunderland, T., Tulving, E., & Warburton, D.M. (1993). Pharmacology of human memory and cognition: illustrations from the effects of benzodiazepines and cholinergic drugs. Journal of Psychopharmacology, 7, 371-377.

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Tulving, E., Kapur, S., Markowitsch, H.J., Craik, F.I.M., Habib, R., & Houle, S. (1994). Neuroanatomical correlates of retrieval in episodic memory: Auditory sentence recognition. Proceedings of National Academy of Sciences U.S.A. 91, 2012-2015.

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