

Education

Harvard College - A.B., 1961

Massachusetts Institute of Technology - Ph.D. 1967

SELECTED VITA ITEMSHonors and Awards

NIH Predoctoral Fellowship - 1962-1964

Elected to Harvard Society of Fellows - 1964-1967

Guggenheim Fellowship - 1976/77

Fellow, Center for Advanced Study in the Behavioral Sciences - 1984/85

Chinese Society for Foreign Language - Teaching Research Award. (Given every 2 years), 2004

The Compassionate Friends Award – 2005- “Compassionate employer of the year”

The Alexander von Humboldt Senior Research Prize (Germany) – 2009

Visiting Fellow, the Max Planck Institute for Cognition and Language, Leipzig: Summer 2010/11/12

IkerBasque Senior Fellowship Award (Spain) – 2010-12

Regents’ Professor, University of Arizona, 2011 – present

Teaching Experience

Assistant Professor, Rockefeller University, 1967-8, Associate Professor, 1969-70

Professor of Linguistics and Psychology, Columbia University, 1970-1986

Pulse Professor of Psychology and Linguistics University of Rochester, 1985-1995

Professor of Linguistics, Neuroscience, Cognitive Science, Psychology, Education, BIO5. University of Arizona, 1995 - present

Visiting Professor, USC, University of Leipzig, UCCalifornia Irvine, St. Petersburg University, Vitoria University, Carleton University (Ottawa)

Invited Colloquia, 2008-2017. Cornell, Max Planck Leipzig (twice), Max Planck Nijmegen, Max Planck Frankfurt, University of Ferrara, ITT Genoa, U Rochester, ASU, AAAS symposium, MIT (twice), Beckman Institute (Illinois), BCBL (San Sebastian), University of Madrid, University of Venice, ASU, Higher School of Economics, Moscow, University of British Columbia....

Administrative-Academic Activities

Founder and Associate Editor, *Cognition*, 1973-2004.

Founder/Head, Columbia Interdisciplinary Ph.D. Program in Psychology and Linguistics, 1973-1986

Head, Language and Cognition Program, University of Rochester, 1986-1990; 1992-1994

Director of CUNY Sentence Processing Conference, Rochester, 1989; Arizona, 2004.

Founder/Director, Center for the Sciences of Language, University of Rochester, 1988-1995

Head, Department of Linguistics, University of Arizona, 1998-2002

Elected U of A university-wide member, committee on Interdepartmental Programs, 2007-2010

SELECTED ARTICLES

Bever, T.G. (2017). The unity of consciousness and the consciousness of unity. In Almeida, R. and Gleitman, L. *The mind and its thoughts*. Oxford University Press. pp.87-112

Nicholas, C., & Bever, T.G. (2016) The Aesthetics of Visual Form: The Golden Section Rectangle Enhances Depth Perception. *Language and Cognition*.

Bever, T.G. (2013, 2015), The biolinguistics of language universals: The next years. In Montserrat Sanz, Itziar Laka, Michael K. Tanenhaus (Eds.) *Language Down the Garden Path: The Cognitive and Biological Basis of Linguistic Structures*, Oxford University Press. Pp. 235-405.

Hancock, R. and Bever, T.G. (2013) Genetic factors and normal variation in the organization of language. *Biolinguistics*. Vol. 7, pp. 75-95.

Bever, T.G. (2012) Two Lessons from Psycholinguistics for Second Language Learning. In Sanz, M. and Gonzales J, (Eds.) *Advances In The Sciences Of Language And Their Application To Second Language Teaching*. Cambridge Scholars Press. Pp. 89-107

Bever, T.G., and Peoppel, D. (2010) Analysis by synthesis: a current analysis and synthesis. *Biolinguistics* 4.2-3, pp 172-199

Bever, T.G. (2009). The individual and universal in language. In Piattelli, M. *Of minds and language: the Basque country encounter with Noam Chomsky*. Oxford University Press. Pp. 278-295.

Bever, T.G., (2009) All language comprehension is a psycholinguistic guessing game: explaining the still small voice. In, Anders, P. (Ed), *Issues in the present and future of reading*. Pp. 249-281 Routledge

Bever, T.G., (2008) The canonical form constraint: language acquisition via a general theory of learning. In Guo et al, *Cross-linguistic approaches to the psychology of language*. (Oxford University Press) pp.475-492

Hauser, M. and Bever, T.G. (2008) Biolinguistics and the Science of Language, *SCIENCE*: 322 14, pp. 1057 – 1059

Zhenqian, Liu, Bever, Thomas G. (2005) An experimental study of the function of syntactic analysis in reading comprehension. *Foreign Language Teaching and Research*. (Chinese English Language Association Journal). Pp. 44-67. (This paper won first prize for the best education research article in china, 2003-4).

Bever, Thomas and Montalbetti, Mario. (2002). Noam's Ark. *SCIENCE*, VOL 298, 1565-1566.

Mintz, T., Newport, E., & Bever, T.G. (2002). The distributional structure of grammatical categories in speech to young children. *Journal of Cognitive Science*. Vol. 26/4, pp 393-425.

Bever, T.G., & Sanz, M. (1997). Empty Categories Access their Antecedents During Comprehension: Unaccusatives in Spanish. *Linguistic Inquiry*, Volume 28, Number 1, Winter 1997, 69-91.

LaMendola, N. and Bever, T.G. (1997). Peripheral and Cerebral Asymmetries in the Rat. *SCIENCE*, Vol. 278, 17 October 1997, pp.483-486.

Bever, T.G. (1992). The Logical and Extrinsic Sources of Modularity in M. Gunnar & M. Maratsos (Eds.) *Modularity and Constraints in Language and Cognition*. Vol. 25 of the Minnesota Symposia on Child Psychology, 1992. Earlbaum.

Bever, T. G., Jandreau, S., Burwell, R. , Kaplan, R., & Zaenan, A. (1990). Spacing printed text to isolate major phrases improves readability. *Visible Language*, 25, 74–87.

Bever, T.G. (1988). A cognitive theory of emotion and aesthetics in music. *Psychomusicology*, 7, 165-175.

Bever, T.G. (1988). The psychological reality of grammar: a student's eye view of cognitive science. In W. Hirst (Ed.), *The making of cognitive science* Cambridge University Press.

Cloitre, M., & Bever, T.G. (1988). Linguistic anaphors, levels of representation, and discourse. *Language and Cognitive Processes*, 3(4). 293-322.

Lachter, J., & Bever, T.G. (1988). The relation between linguistic structure and associative theories of language learning--A constructive critique of connectionist learning models. *Cognition*, 28, 195-247.

Bever, T.G., & McElree, B. (1988). Empty categories access their antecedents during comprehension. *Linguistic Inquiry*, 19, 35-43.

Bever, T.G. (1987). The aesthetic basis for cognitive structures. In W. Brand & R. Harnish, (Eds.), *The representation of knowledge and belief* (pp. 314-356). University of Arizona Press.

Gergely, G., & Bever, T.G. (1986). Relatedness intuitions and the mental representation of causative verbs in adults and children. *Cognition*, 23, 211-277.

Janus, R.A., & Bever, T.G. (1985). Processing of metaphoric language: an investigation of the 3-stage model of metaphor comprehension. *Journal of Psycholinguistic Research*, 14(5), 473-489.

Bever, T.G. (1984). Linguistics and its relation to other disciplines. In E. Machlup (Ed.), *Handbook of information sciences*, Wiley, 1984, pp. 158-179

Lasher, M.D., Carroll, J.M., & Bever, T.G. (1983). The cognitive basis of aesthetic experience. *Leonardo*, 16, 196-199.

Bever, T.G. (1982). Some implications of the non-specific bases of language. In L. Gleitman, L. and E. Wanner (Eds.), *Language development - the state of the art* (pp. 429-449). Cambridge University Press.

Bever, T.G. (1982). Regression in the service of development. In Bever et al. (Eds.), *Regression in child development* (pp 153-188). Hillsdale, NJ: Lawrence Erlbaum.

Slobin, D.I., & Bever, T.G. (1982). Children use canonical sentence schemas: A crosslinguistic study of word order and inflections. *Cognition*, 12, pp. 229-265.

Townsend, D.J., & Bever, T.G. (1982). Natural units of representation interact during sentence comprehension. *Journal of Verbal Learning and Verbal Behavior*, 21, 688-703.

Carroll, J.M., Bever, T.G., & Pollack, C.R. (1981). The non-uniqueness of linguistic intuitions. *Language*, 57, No. 2, 368-383.

Bever, T.G. (1980). Broca and Lashley were right: cerebral dominance is an accident of growth. In D. Kaplan, & N. Chomsky, (Eds.), *Biology and language* (186-232). Cambridge, MA: MIT Press.

Bever, T.G., Straub, R.O., Terrace, H.S., & Townsend, D.J. (1980). The comparative study of serially integrated behavior in humans and animals. In P. Jusczyk, & R. Klein, R. (Eds.), *The nature of thought: Essays in honor of D.O. Hebb*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Terrence, H.S., Pettito, L.A., Sanders, R.J., & Bever, T.G. (1979). Can an ape create a sentence? *SCIENCE*, 206, 891-902.

Carroll, J., & Bever, T.G. (1976). Segmentation in cinema perception. *SCIENCE*, 191, 1053-1054

Katz, J.J., & Bever, T.G. (1976). The fall and rise of empiricism. In T.G. Bever, J.J. Katz, & D.T. Langendoen (Eds.), *An integrated theory of linguistic ability*. New York: T.Y. Crowell Press.

Bever, T.G. (1975). Functional explanations require independently motivated functional theories. In R. Grossman, J. San & T. Vance (Eds.), *Papers from the parasession on functionalism* (pp. 580-635), Chicago Linguistic Society. Chicago, IL: University of Chicago.

Bever, T.G., Smith, M., Bengen, G., & Johnson, T. (1975). Young viewers' troubling response to TV ads. *Harvard Business Review*, 53(6), 109-120.

Pertz, D.L., & Bever, T.G. (1975). Sensitivity to phonological universals in children and adolescents. *Language*, 51, 149-162.

Bever, T.G., & Chiarello, R.J. (1974). Cerebral dominance in musicians and nonmusicians. *SCIENCE*, 185, 137-139. Reprinted as a "classic article" in *The Journal of Neuropsychiatry*, 2008

Bever, T.G. (1972). The integrated study of language behaviour. In Morton, J. (Ed.), *Language: Biological and social factors* (159-206). Logos Press.

Savin, H.B., & Bever, T.G. (1970). The nonperceptual reality of the phoneme. *Journal of Verbal Learning and Verbal Behavior*, 9, 295-302.

Bever, T.G., & Langendoen, T. (1971). A dynamic model of the evolution of language. *Linguistic Inquiry*, 2. (Reprinted in T.G. Bever, J.J. Katz & D.T. Langendoen (Eds.), *An integrated theory of linguistic ability*. New York: T.Y. Crowell, Inc., 1976, pp. 115-147.

Bever, T.G., & Rosenbaum, P. (1970). Some lexical structures and their empirical validity. In Jacobs and Rosenbaum (Eds.), *Readings in English syntax*, Blaisdell. Also in French in a special issue of *Languages*, 1970, 3-50.

Bever, T.G. (1970). The cognitive basis for linguistic structures. In R. Hayes (Ed.), *Cognition and language development* (pp. 277-360). New York: Wiley & Sons, Inc. (Reprinted in: Montserrat Sanz, Itziar Laka, Michael K. Tanenhaus (Eds.) 2013/2015. *Language Down the Garden Path: The Cognitive and Biological Basis of Linguistic Structures*, Oxford University Press.

Abrams, K., & Bever, T.G. (1969). Syntactic structure modifies attention during speech perception and recognition. *Quarterly Journal of Experimental Psychology*, 21, 280-290.

Bever, T.G., Lackner, J.R., & Kirk, R. (1969). The underlying structures of sentences are the primary units of immediate speech processing. *Perception and Psychophysics*, 5, 225-234.

Bever, T.G., Lackner, J.R., & Stolz, W. (1969). Transitional probability is not a general mechanism for the segmentation of speech. *Journal of Experimental Psychology*, 79, 387-394.

Bever, T.G., Fodor, J.A., & Garrett, M. (1968). A formal limitation of associationism. T.R. Dixon & D.L. Horton (Eds.), *Verbal behavior and general behavior theory*. Prentice-Hall, Inc.

Mehler, J., & Bever, T.G. (1968). Quantification, conservation, and nativism: *SCIENCE*, 162, 979-981.

Bever, T.G., Mehler, J., & Epstein, J. (1968). What children do in spite of what they know. *SCIENCE*, 162, 921-924.

Mehler, J., & Bever, T.G. (1967). Cognitive capacity of very young children. *SCIENCE*, 141, 141-142.

Mehler, J., Bever, T.G., & Carey, P. (1967). What we look at when we read. *Perception and Psychophysics*, 2, 213-218.

Garrett, M., Bever, T.G., & Fodor, J.A. (1966). The active use of grammar in speech perception. *Perception and Psychophysics*, 1, 30-32.

Fodor, J.A., & Bever, T.G. (1965). The psychological reality of linguistic segments. *Journal of Verbal Learning and Verbal Behavior*, 4, 414 - 420.

Bever, T.G., Fodor, J.A., & Weksel, W. (1965). On the acquisition of syntax: a critique of contextual generalization. *Psychological Review*, 72, 467-482.

BOOKS

Townsend, D.J., & Bever, T.G. (2001). *Sentence Comprehension*. Cambridge, MA: MIT Press. (translated and revised in). *Juzi lijie Yanjiu--xiguan yu guize de zhenghe*. Qilu Academic Press

Bever, T.G., Carroll, J.M., & Miller, L.A. (Eds.) (1984). *Talking minds: The study of language in the cognitive sciences*. Cambridge, MA: MIT Press.

H.L. Roitblat, T.G. Bever, & H.S. Terrace (Eds.) (1984). *Animal cognition*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Bever, T.G. (Ed.) (1982). *Regressions in mental development: Basic processes and mechanisms*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Bever, T.G., Katz, J.J. & Langendoen, D.T. (Eds.) (1976). *An integrated theory of linguistic ability*. New York: T.Y. Crowel Press.

Fodor, J., Bever, T.G., & Garrett, M. (1974). *The psychology of language*. New York: McGraw Hill, 1974.

PATENTS

Bever, T.G, Nicholas, C. Jandreau J., Lamendola C, Hancock R. (2014) General system, plug-in, and method for improving text composition by modifying character prominence according to assigned character information measures, Patent, 8,306,356 *Spring 2014*

Bever, T.G, Nicholas, C. Jandreau J., Lamendola C, Hancock R. (2012) System, plug-in, and method for improving text composition by modifying character prominence according to assigned character information measures, Patent, 8,755,629

Bever, T. G., & Robbart, J. (2012). *System and method of formatting text*. US Patent No. 8,209,601. Washington, DC: U. S. Patent and Trademark Office

Bever, T. G., & Robbart, J. (2010). *System and method of formatting text according to phrasing*. U.S. Patent No. 7,743,324. Washington, DC: U.S. Patent and Trademark Office.

Bever, T. G., & Robbart, J. (Filed July 13, 2000/Issued June 27, 2006). *System and method for formatting text according to linguistic, visual and psychological variables*. U.S. Patent No. 7,069,508B1. Washington, DC: U. S. Patent and Trademark Office.