

Curriculum Vitae  
Randolph D. Easton  
December 2007

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Boston College  
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1. Education

University of Washington  
University of New Hampshire  
University of New Hampshire

B.S., magna cum laude, 1970  
M.A., 1972  
Ph.D., 1974

2. Awards and Honors

Elected Phi Beta Kappa, 1970  
National Defense Education Act Title IV Fellowship, 1970-1974  
Dissertation Year Fellowship, UNH, 1973-1974  
Faculty Summer Fellowship, Boston College, 1976, 1980

3. Academic Employment

Research Assistant, Laboratory of Human Learning, Department of Psychology, University of Washington, January 1969 - June 1969.  
Instructor, Department of Psychology, University of New Hampshire, September 1972 - June 1973.  
Assistant Professor, Department of Psychology, Boston College, September 1974 - 1980.  
Associate Professor, Department of Psychology, Boston College, 1980 - 1988.  
Chairman, Department of Psychology, Boston College, 1980 - 1992.  
Professor, Department of Psychology, Boston College, 1988-Present.

4. Administrative Experience (Boston College)

Appointed

Member, University Research Council (URC), 1981-1984, 1984-1987.  
Chair, Research Expense Grants Subcommittee (URC), 1985-1987.  
Member, Research Expense Grants Subcommittee (URC), 1982-1987.  
Chair, Biology Department Chairperson Search Committee, 1981-1982, 1982- 1983.  
Member, College of Arts and Sciences Pre-Med Program Review Committee, 1985-1986.  
Member, College of Arts and Sciences Honors Program Director Search Committee, 1987.  
Member, Academic Vice President Search Committee, 1987.  
Member, Pre-medical Advising Committee, 1992-present.  
Member, College of Arts and Sciences Academic Integrity Committee, 1996-1998.

## Elected

Chairman, Department of Psychology, 1980 - 1992.  
College of Arts and Sciences Educational Policy Committee, 1981- 1984, 1984-1987.  
College of Arts and Sciences Faculty Senate, 1982 - 1985, 1985 -1988.  
University Budget Committee, 1993-1995.

## 5. Professional Memberships

Psychonomic Society  
International Society for Ecological Psychology

## 6. Courses Taught

Perception, Sensory Physiology, Cognition, Statistics (undergraduate and graduate), Research Methods

## 7. Editorial/ Reviewing Activity

Journals (ad hoc reviewer)

Journal of Experimental Psychology: Human Perception & Performance  
Perception and Psychophysics  
Journal of Abnormal Psychology  
Psychonomic Bulletin and Review  
Psychological Science  
Perceptual and Motor Skills

Grant Agencies (reviewer)

National Institute of General Medical Sciences, National Institutes of Health  
National Eye Institute, National Institutes of Health  
March of Dimes

## 8. Publications (refereed articles and chapters)

Bobrow, S.A., and Easton, R.D. (1972). A confirmation that relational organization facilitates memory. Psychonomic Science, 29, (4-B), 256-257.

Shor, R.E., and Easton, R.D. (1973). A preliminary report on research comparing self- and hetero-hypnosis. American Journal of Clinical Hypnosis, 16, 37-44.

Easton, R.D., and Shor, R.E. (1975). Information processing analysis of the Chevreul pendulum illusion. Journal of Experimental Psychology: Human Perception and Performance, 1, 321-326.

Easton, R.D., and Shor, R.E. (1976). An experimental analysis of the Chevreul pendulum illusion. Journal of General Psychology, 95, 111-125.

Easton, R.D. (1976). Prismaticly induced curvature and finger tracking pressure changes in a visual capture phenomenon. Perception and Psychophysics, 19, 201-205.

Easton, R.D. (1976). Relation between optically induced and tracking-limb- movement curvature in a visual capture phenomenon. Perceptual and Motor Skills, 43, 363-369.

Easton, R.D. and Shor, R.E. (1977). Delayed and augmented feedback in the Chevreul pendulum illusion. Journal of General Psychology, 97, 167-177.

Easton, R.D., and Morgan, P.W. (1978). A quantitative confirmation of visual capture of curvature. Journal of General Psychology, 98, 105-112.

Easton, R.D., and Falzette, M. (1978). Finger pressure during tracking of curved contours: Implications for a visual dominance phenomenon. Perception and Psychophysics, 24, 145-153.

Easton, R.D. and Bentzen, B.L. (1980). Perception of tactile route configurations by blind and sighted observers. Journal of Visual Impairment and Blindness, 74, 254-265.

- Easton, R.D., Kennedy, C., and Bentzen, B.L. (1980). Tactile perception of angles. Journal of Visual Impairment and Blindness, 74, 258-261.
- Easton, R.D. and Basala, M. (1982). Perceptual dominance during lip reading. Perception and Psychophysics, 32, 562-570.
- Kihlstrom, J.H., Easton, R.D., & Shor, R.E. (1983). Spontaneous recovery of memory during posthypnotic amnesia. The International Journal of Clinical and Experimental Hypnosis, 31, 309-323.
- Easton, R.D. (1983). The effects of head movement on visual and auditory dominance. Perception, 12, 63-70.
- Easton, R.D. and Jackson, R.M. (1983). Pilot test of the Trisensor, a new generation sonar sensory aid. Journal of Visual Impairment and Blindness, 77, 446-448.
- Easton, R.D. (1984). A quantitative evaluation of blind children's ability to use the Trisensor, a new generation sonar sensory aid. In E. Foulke (Ed.), Proceedings of the Louisville Space Conference. Louisville: University of Louisville
- Shor, R.E., Pistole, D.D., Easton, R.D., & Kihlstrom, J.F. (1984). Relation of predicted to actual hypnotic responsiveness, with special reference to posthypnotic amnesia. The International Journal of Clinical and Experimental Hypnosis, 32, 376-387.
- Easton, R.D. (1985). Sonar sensory aid and blind children's spatial cognition. In D.H. Warren and E.R. Strelow (Eds.), Electronic Spatial Sensing for the Blind. The Hague: Martinus - Nijhoff.
- Sholl, M.J. and Easton, R.D. (1986). The effect of referent object familiarity on verbal learning in the sighted and blind. Journal of Experimental Psychology: Learning, Memory and Cognition, 12, 190-200.
- Easton, R.D. and Bentzen, B.L. (1987). Memory for verbally presented routes: A comparison of strategies used by blind and sighted people. Journal of Visual Impairment and Blindness, 80, 100-105.
- Palus, C.J., Nasby, W. and Easton, R.D. (1990). Executive identity and the hero's story: The voyage of Dodge Morgan and the American Promise. Journal of Applied Behavioral Science, 26, 501-527.
- Easton, R.D. (1992). Inherent problems of attempts to apply sonar and vibrotactile sensory aid technology to the perceptual needs of the blind. Optometry and Vision Science, 69, 3-14.
- Easton, R.D. and Sholl, M.J. (1995). Object-array structure, frames of reference and retrieval of spatial knowledge. Journal of Experimental Psychology: Learning, Memory and Cognition, 21, 483-500.
- Mitchell, P.A. and Easton, R.D. (1995). Wave collation visual speech display: Design and evaluation. Journal of Acoustic Society of America, 97, 1297-1306
- Jeka, J.J., Easton, R.D., Bentzen, B.L. & Lackner, J. R. (1996). Haptic cues for postural control in sighted and blind individuals. Perception & Psychophysics, 58, 409-423.
- Easton, R.D., Srinivas, K. & Greene, A.J. (1997). Do vision and haptics share common representations?: Priming and recognition memory within and between modalities. Journal of Experimental Psychology: Learning, Memory and Cognition, 23, 153-163.
- Srinivas, K., Greene, A.J. & Easton, R.D. (1997). Implicit and explicit memory for haptically experienced 2D patterns. Psychological Science, 8, 243-246.
- Easton, R.D., Greene, A.J. & Srinivas, K. (1997). Transfer between vision and haptics: Memory for 2D patterns and 3D objects. Psychonomic Bulletin and Review, 4, 403-410.

- Srinivas, K., Greene, A.J. & Easton, R.D. (1997). Visual and tactile memory for 2D patterns: Effects of changes in size and right-left orientation. Psychonomic Bulletin and Review, 4, 535-540.
- Easton, R.D., Greene, A.J., DiZio, P. & Lackner, J.R. (1998). Auditory cues for postural control in sighted and congenitally blind people. Experimental Brain Research, 118, 541-550.
- Easton, R.D. and Bentzen, B.L. (1999). The effect of extended acoustic localization training on spatial updating in congenitally blind adults. Journal of Visual Impairment and Blindness, 7, 405-415.
- Greene, A.J., Easton, R.D. & LaShell L.S.R. (2001). Implicit memory for visual and auditory events. Consciousness and Cognition, 10, 425-435.
- Scott, A. C. & Easton, R. D. (2005). Orientation and object appropriate grasping in within- and cross-modal identification priming. Manuscript submitted for publication.
- Bond, T L. Y. & Easton, R. D. Detecting "gaps" in traffic suitable for street crossing: A comparison of visual, auditory and visual plus auditory information. Manuscript in preparation.

#### 9. Publications (other)

- Easton, R.D. and Shor, R.E. (1973). Imagery and the Chevreul pendulum illusion. Proceedings of the 81st Annual Convention of the American Psychological Association, 8, 1091-1092.
- Nasby, W. and Easton, R.D. (1987). Portrait of a solo-circumnavigator. Nautical Quarterly, 40, 32-34.
- Palus, C.J., Nasby, W. and Easton, R.D. (1991). Understanding executive performance: A life story perspective. Center for Creative Leadership, Report no. 148, Greensboro, NC.
- Easton, R.D. (1992). Acoustic and vibrotactile perception of depth through motion. Society of Information Display Digest, 23, 94-97.
- Mitchell, P.A. and Easton, R.D. (1992). Wave collation visual speech display. Society of Information Display Digest, 23, 106-109.
- Bentzen, B.L., Nolin, T.L., Easton, R.D. (1994). Detectable warning surfaces: Color, contrast and reflectance. Final report VNTSC-DTRS57-93-P-80546. U.S. Department of Transportation, Federal Transit Administration, Volpe National Transportation Systems Center.
- Bentzen, B.L., Nolin, T.L., Easton, R.D. & Desmarais, L. & Mitchell, P. A. (1994). Detectable warnings: Detectability by individuals with visual impairments, and safety and negotiability for individuals with physical impairments. Final report VNTSC-DTRS57-92-P-81354 and VNTSC-DTRS57-91-C-0006. U. S. Department of Transportation, Federal Transit Administration, Volpe National Transportation Systems Center, and Project ACTION, National Easter Seals Society.
- Bentzen, B.L., Nolin, T.L., Easton, R.D. & Mitchell, P.A.. (1994). Signage specifications for transit vehicles: Human factors research. Final report B-AH N0. 09073-163-R0723-888R.2. Booz-Allen and Hamilton.
- Bentzen, B.L., Nolin, T.L., Easton, R.D., Desmarais, L. & Mitchell, P. A. (1994). Detectable warnings: Safety and negotiability on slopes for persons who are physically impaired. Federal Transit Administration and Project ACTION of the National Easter Seal Society.
- Lackner, J.R., Easton, R.D., Bentzen, B.L., & DiZio, P. (1994). Adaptation to coriolis force perturbations of reaching movements in the blind. Society for Neuroscience. (abstract).
- Hinman, R., Leeb, S., Avestruz, A., Lupton, E.C., Bentzen, B.L., & Easton, R.D. (2002). Dual-use lighting for assistive communications. NSF Design, Service and Manufacturing Grantees and Research Conference. San Juan, Puerto Rico.

Easton, R. D., Greene, A. J., & Bond, T. L. Y. (2003). Size effects on cross-modal priming for common 3D objects and novel 2D patterns. Society for Neuroscience. (abstract).

Woods, R.L., Peli E., Giorgi R.G., Stringer D.W., Goldstein R.B., Berson E.L., Easton R.D., Bond T. (2005) Extended wearing trials of two spectacle-based prism devices for visual field restriction (abstract). Optom Vision Sci 81(12s): 280.

## 10. Extramural Grant Support

- 1976-1977-NIH: MH28585. "The mechanism underlying a visual capture effect." \$5,000, direct costs. Principal Investigator.
- 1983-1984-NIH: EY04907. "Sonar sensory aid and blind children's spatial cognition." \$61,800, direct costs. Principal Investigator.
- 1986-1987-NIH: MH42184. "Psychological impact of prolonged isolation and stress." \$13,500, direct costs. Research Associate.
- 1986-1989-NIH: EY05887. "Sonar sensory substitution: Spatial behavior in the blind." \$180,000, direct costs. Principal Investigator.
- 1992-1993-Dept. of Transportation: DTRS57-92-P-81354. "Detectable warnings " \$19,800, direct costs. Co-Principal Investigator (with B.L. Bentzen).
- 1992-1993-National Easter Seal. "Detectable warnings in transit facilities ". \$39,680, direct costs. Co-Principal Investigator (with B.L. Bentzen).
- 1994-Integrated Speech Solutions (subcontracted to BC from NIH-EY10712-01): "Spoken language systems for wayfinding applications." \$9,098, total costs. Principal Investigator.
- 1994-1995-NeoCortek (subcontract to BC from NIH-EY10802-01): "Auditory interactive map/navigator for blind persons." \$9,700, total costs, Principal Investigator.
- 1995-1997-Pure Speech (subcontracted to BC from NIH-EY10712-02): "Spoken language systems for wayfinding applications." \$35,800, total costs, Principal Investigator.
- 1995-1997-NeoCortek (subcontracted to BC from NIH-EY10802-02): "Auditory interactive map/navigator for blind persons." \$37,000, total costs, Principal Investigator.
- 1999-Novate Co. (subcontracted to BC from NIH): "Visual light audio information transfer system. \$14,383, total costs, Principal Investigator.
- 1999-Novate Co. (subcontracted to BC from NSF): "Visual light audio information transfer system". \$14,383, total costs, Principal Investigator.
- 1999-Novate Co. (subcontracted to BC from NIH): "Inexpensive broad community network for the deaf. " \$5,048, total costs, Principal Investigator.
- 2000-2005-Western Michigan University (subcontracted to BC from NIH). "Blind pedestrians access to complex intersections." \$785,985, total costs, Principal Investigator.
- 2000-2005-Schepens Eye Research Institute, Harvard Medical School (subcontracted to BC from NIH). "Engineering approach to low vision rehabilitation." \$158,929, total costs, Principal Investigator.
- 2000-2002-Talking Lights Inc. (subcontracted to BC from NIH). "Personal data display for blind people." \$61,185, total costs, Principal Investigator.
- 2001-2003-Talking Lights Inc. (subcontracted to BC from NSF). "Personal data display for blind persons." \$61,185, total costs, Principal Investigator.
- 2001-Idolon Technologies. (subcontracted to BC from NIH). Wayfinding system for people who are visually impaired. \$15,000, Principal Investigator.

2005-2007-Western Michigan University (subcontracted to BC from NIH). "Blind pedestrians access to complex intersections." \$181,000, total costs, Principal Investigator.

2007-2012-Western Michigan University (subcontracted to BC from NIH). "Blind pedestrian's access to complex intersections."\$966,284, total costs, Principal Investigator.