

Name and Address:

**Lewis Orvis Harvey, Jr.**

Born: Bellefonte, Pennsylvania, U.S.A., 1 July 1942

Professional Address:

Department of Psychology and Neuroscience  
University of Colorado  
345 UCB  
Boulder, Colorado 80309-0345, USA

Telephone: 303-492-8882 (Office)

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email: lewis.harvey@colorado.edu

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Home Address:

3010 Vassar Drive  
Boulder, Colorado 80305, USA  
Telephone: 303-499-5340

Areas of Expertise:

Vision, Visual Perception, Psychophysics, and Human Factors

Education:

1947–1957 Attended Bellefonte, Pennsylvania, Public Schools through the Ninth grade.

1957–1960 Deerfield Academy, Deerfield, Massachusetts.  
Graduated in 1960.

1960–1964 Williams College, Williamstown, Massachusetts.  
B.A., 1964, English Literature

1964–1968 The Pennsylvania State University,  
M.S., 1966, Experimental Psychology;  
Ph.D., 1968, Experimental Psychology.  
Minors in Physiological Psychology and History of Psychology.  
Foreign language reading proficiency fulfilled in French and German.

### Experience in Higher Education:

1968–1969 Postdoctoral Fellow  
Department of Psychology, Massachusetts Institute of Technology  
Cambridge, Massachusetts

1970 Part-Time Instructor  
European Division, University of Maryland  
Soesterberg, The Netherlands

1970–1974 Assistant Professor of Physiology and Psychology  
Massachusetts College of Optometry  
Boston, Massachusetts

1970–1974 Research Associate  
Department of Psychology, Massachusetts Institute of Technology  
Cambridge, Massachusetts

1974–1975 Assistant Professor of Psychology  
Department of Psychology, University of Colorado  
Boulder, Colorado

1974–1980 Member, Institute for the Study of Intellectual Behavior (ISIB)  
University of Colorado  
Boulder, Colorado

1975–1989 Associate Professor of Psychology  
Department of Psychology, University of Colorado  
Boulder, Colorado

1980 – Fellow, Institute of Cognitive Science (ICS)  
University of Colorado  
Boulder, Colorado

- 1981 Director, Computer Laboratory for Instruction  
in Psychological Research (CLIPR)  
Department of Psychology, University of Colorado  
Boulder, Colorado
- 1981–1982 Guest Professor  
Institute for Medical Psychology, Ludwig-Maximilian University  
Munich, Federal Republic of Germany  
1 July 1981 to 31 July 1982
- 1983 Guest Professor  
Institute for Medical Psychology, Ludwig-Maximilian University  
Munich, Federal Republic of Germany  
1 June 1983 to 31 August 1983
- 1985 Guest Professor  
Institute for Medical Psychology, Ludwig-Maximilian University  
Munich, Federal Republic of Germany  
1 June 1985 to 30 September 1985
- 1985–1987 Director, Graduate Program in Cognitive Psychology  
Department of Psychology, University of Colorado  
Boulder, Colorado
- 1989– Professor of Psychology  
Department of Psychology, University of Colorado  
Boulder, Colorado
- 1991–1992 Guest Professor  
Klinikum der Albert–Ludwigs–Universität  
Abteilung Klinische Neurologie und Neurophysiologie  
Freiburg im Breisgau, Federal Republic of Germany  
1 August 1991 to 31 August 1992
- 2001 Guest Professor  
Nijmegen Institute for Cognition and Information  
University of Nijmegen, Nijmegen, The Netherlands  
5 January 2001 to 12 February 2001
- 2006–2013 Chair (15 July 2006 to 1 July 2013), Department of Psychology  
University of Colorado, Boulder, Colorado

- 2013–2018 Director, Computer Laboratory for Instruction in Psychological Research (CLIPR), Department of Psychology and Neuroscience  
University of Colorado, Boulder, Colorado
- 2018– Co-Director (with Eliana Colunga): Honors Program, Department of Psychology and Neuroscience, University of Colorado-Boulder.
- 2018– Member: Arts and Sciences Honors Council, College of Arts and Sciences, University of Colorado–Boulder.

#### Experience in Other Than Higher Education:

- 1961 Member of the Kenya Group, Operation Crossroads Africa, Nairobi and Naivasha, Kenya, June and July 1961.
- 1968 Staff Scientist  
Science and Technology Division  
Institute for Defense Analyses  
Arlington, Virginia (Summer 1968)
- 1969 Staff Scientist  
Science and Technology Division  
Institute for Defense Analyses  
Arlington, Virginia (Summer 1969)
- 1969–1970 Scientific Co-Worker  
Instituut voor Zintuigfysiologie RVO-TNO  
(Institute for Perception RVO-TNO)  
Soesterberg, The Netherlands

#### Professional Activities:

- 1972–1976 Member, Small Grants Review Committee,  
National Institute of Mental Health.
- 1972– Consultant, National Academy of Sciences –  
National Research Council Committee on Vision.  
(NAS-NRC Committee on Vision)
- 1972–1975 Chair–Visual Science Section,  
American Academy of Optometry.

- 1972–1980 Member, NAS-NRC Committee on Vision Working Group 39: Standards for Testing Visual Fields and Visual Acuity.
- 1974–1986 Consulting Editor, Perception & Psychophysics.
- 1976–1979 Executive Council, National Academy of Sciences – National Research Council Committee on Vision.
- 1977–1980 Member, NAS-NRC Committee on Vision Working Group 51: Energy Savings Through Efficient Lighting (ESTEL).
- 1980–1985 Chair, NAS-NRC Committee on Vision Working Group 57: Emergent Techniques for Assessment of Visual Performance.
- 2006–2013 Member of the Advisory Board of the Center for Research on Training, Department of Psychology, University of Colorado, Boulder, Colorado.

#### Membership in Professional Societies:

- 1966–1981 American Association for the Advancement of Science
- 1968 – American Psychological Association  
Elected Fellow in 1983
- 1990– American Psychological Society  
Elected Fellow in 1990
- 1970– Association for Research in Vision and Ophthalmology
- 1964– Eastern Psychological Association
- 1974–1984 International Perimetric Society
- 1977–1984 National Conference on the Use of On-Line Computers in Psychology
- 1976– Psychonomic Society
- 1966– Optical Society of America
- 2015– Vision Sciences Society

**Awards and Honors:**

- 1965–1967 Graduate Research Assistantship  
Department of Psychology  
The Pennsylvania State University
- 1967–1968 Predoctoral Fellowship  
National Institute of Mental Health  
The Pennsylvania State University
- 1968–1969 Postdoctoral Fellowship  
National Institute of Mental Health  
The Massachusetts Institute of Technology
- 1981–1982 Research Fellowship (Forschungsstipendium)  
Alexander von Humboldt Foundation  
1 August 1981 to 31 July 1982
- 1983 Fellow, American Psychological Association
- 1983 Research Fellowship (Forschungsstipendium)  
Alexander von Humboldt Foundation  
1 June 1983 to 31 August 1983
- 1985 Research Fellowship (Forschungsstipendium)  
Alexander von Humboldt Foundation  
1 June 1985 to 30 September 1985
- 1987 Teaching Excellence Award  
Boulder Faculty Assembly  
University of Colorado, Boulder, Colorado
- 1991–1992 Research Fellowship (Forschungsstipendium)  
Alexander von Humboldt Foundation  
1 November 1991 to 31 March 1992
- 2004 Nominated, Faculty of the Year, National Society of Collegiate Scholars,  
Washington, D.C.
- 2011 Faculty Teaching Award, Department of Psychology and Neuroscience,  
University of Colorado (Awarded 5 May 2011)

Language Skills:

German	Advanced reading and speaking ability
French	Moderate reading and speaking ability
Italian	Moderate reading and speaking ability
Dutch	Moderate reading and speaking ability

Special Skills:

- Analog and Digital Electronics
- Automobile Mechanics
- Computer Programming
- Expert Witness Testimony
- Photography

## Publications

1966

Harvey, L. O., Jr. (1966). The effect of exposure duration, cue and monocularly in size matching at short distances. Master's Thesis, The Pennsylvania State University.

1967

Harvey, L. O., Jr., & Leibowitz, H. W. (1967). Effects of exposure duration, cue reduction, and temporary monocularly on size matching at short distances. *Journal of the Optical Society of America*, 57, 240–253.

Leibowitz, H. W., & Harvey, L. O., Jr. (1967). Size matching as a function of instructions in a naturalistic environment. *Journal of Experimental Psychology*, 74, 378–382.

1968

Harvey, L. O., Jr. (1968). *Critical flicker fusion as a function of viewing distance, stimulus size and luminance*. Doctoral Dissertation, The Pennsylvania State University.

1969

Leibowitz, H. W., & Harvey, L. O., Jr. (1969). The effect of instructions, environment, and type of test object on matched size. *Journal of Experimental Psychology*, 81, 36–43.

Leibowitz, H. W., & Harvey, L. O., Jr. (1968–1969). Comparaison de l'approche experimentale et non experimentale de la perception de la taille. *Bulletin de Psychologie (Paris)*, 22, 716–724.

1970

Harvey, L. O., Jr. (1970). Flicker sensitivity and apparent brightness as a function of surround luminance. *Journal of the Optical Society of America*, 60, 860–864.

Harvey, L. O., Jr. (1970). Critical flicker frequency as a function of viewing distance, stimulus size and luminance. *Vision Research*, 10, 55–63.

Harvey, L. O., Jr. (1970). *Survey of Visual Research Literature on Military Problems During World War II* (Papers Collected by the Armed Forces–National Research Council Vision Committee). Research Paper P-453, Institute for Defense Analyses, Science and Technology Division.



## Publications

1971

Harvey, L. O., Jr., & Michon, J. (1971). *The Perception of the Manoeuvres of Moving Vehicles: Progress Report I—Effects of Viewing Distance and Angular Separation*. Report No. IZF 1971-C6, Institute for Perception RVO-TNO, Soesterberg, The Netherlands.

Harvey, L. O., Jr. (1971). Flicker sensitivity and retinal area. *Journal of the American Optometric Association*, 42, 653–657.

1972

Harvey, L. O., Jr., & Pöppel, E. (1972). Contrast sensitivity of the human retina. *American Journal of Optometry and Archives of American Academy of Optometry*, 49, 748–753.

1973

Leibowitz, H. W., & Harvey, L. O., Jr. (1973). Perception. *Annual Review of Psychology*, 24, 207–240.

Pöppel, E., & Harvey, L. O., Jr. (1973). Light–difference threshold and subjective brightness in the periphery of the visual field. *Psychologische Forschung*, 36, 145–161.

1974

Harvey, L. O., Jr. (1974). Review of *The Psychology of Visual Perception* by R. N. Haber & M. Hershenson and of *Visual and Auditory Perception* by G. M. Murch. *Journal of the Optical Society of America*, 64, 113–114.

Harvey, L. O., Jr., & Michon, J. A. (1974). The detectability of relative motion as a function of exposure duration, angular separation and background. *Journal of Experimental Psychology*, 103, 317–325.

1975

Harvey, L. O., Jr. (1975). Review of *Sight and Mind: An Introduction to Visual Perception* by L. Kaufman. *American Scientist*, 63, 475–476.

Harvey, L. O., Jr. for Working Group 39—Standards for Testing Visual Fields and Visual Acuity, Committee on Vision, Assembly of Behavioral and Social Sciences, National Research Council, National Academy of Sciences. (1975). *First Interprofessional Standard for Visual Field Testing*. Washington, D.C.: National Academy of Sciences.

## Publications

1976

Harvey, L. O., Jr. (1976). Review of *An Introduction to Perception* by I. Rock. *Journal of the Optical Society of America*, *66*, 510.

Harvey, L. O., Jr., & Leibowitz, H. W. (1976). Do the eyes have it? (Review of *The Tell-Tale Eye: How Your Eyes Reveal Hidden Thoughts and Emotions* by E. H. Hess). *Contemporary Psychology*, *21*, 640–641.

Harvey, L. O., Jr. for Working Group 39—Standards for Testing Visual Fields and Visual Acuity, Committee on Vision, Assembly of Behavioral and Social Sciences, National Research Council, National Academy of Sciences. (1976). First Interprofessional standard for visual field testing. *Journal of the American Optometric Association*, *47*, 829–863.

Janssen, W. H., Michon, J. A., & Harvey, L. O., Jr. (1976). The perception of lead vehicle movement in darkness. *Accident Analysis and Prevention*, *8*(3), 151–166.

1977

Harvey, L. O., Jr. (1977). Review of *Sensation and Perception: An Integrated Approach* by H. R. Schiffman. *Journal of the Optical Society of America*, *67*, 414–415.

Wertheimer, M., & Harvey, L. O., Jr. (1977). Perception. Three chapters in P. Mussen & M. R. Rosenzweig (Eds.), *Psychology, An Introduction (2nd ed.)*. Lexington, Massachusetts: D. C. Heath.

1978

Harvey, L. O., Jr. (1978). Single representation of the visual midline in humans. *Neuropsychologia*, *16*, 601–610.

Harvey, L. O., Jr., & Gervais, M. J. (1978). Visual texture perception and Fourier analysis. *Perception and Psychophysics*, *24*, 534–542.

1979

Harvey, L. O., Jr. (1979). Review of *Digital Image Processing* by R. C. Gonzalez & P. Wintz. *Behavior Research Methods and Instrumentation*, *11*, 616–617.

Harvey, L. O., Jr. (1979). Commentary on “Motor–sensory feedback and geometry of visual space: An attempted replication” by J. Gyr, R. Willey, & A. Henry. *The Behavioral and Brain Sciences*, *2*, 59–94.

## Publications

Harvey, L. O., Jr. (1979). Sensation and Perception. Chapter 3 in L. E. Bourne, Jr., & B. R. Ekstrand, *Psychology: Its Principles and Meanings (3rd ed.)*. New York: Holt, Rinehart, and Winston.

Harvey, L. O., Jr., Gervais, M. J., & Roberts, J. O. (1979). A spatial frequency basis for texture similarity judgments. *Proceedings of IEEE Conference on Cybernetics and Society, October*, 449–452.

Wertheimer, M., & Harvey, L. O., Jr. (1979). Perception. Chapters 4 and 5 in P. Mussen, M. R. Rosenzweig, & A. L. Blumenthal (Eds.), *Psychology: An Introduction, (Brief Edition)*. Lexington, Massachusetts: D. C. Heath.

## 1980

Harvey, L. O., Jr. for Working Group 39—Standards for Testing Visual Fields and Visual Acuity, Committee on Vision, Assembly of Behavioral and Social Sciences, National Research Council, National Academy of Sciences. (1980). Recommended standard procedures for the clinical measurement and specification of visual acuity. *Advances in Ophthalmology, 41*, 103–148.

## 1981

Harvey, L. O., Jr. (1981). Sensation and Perception. Chapter 3 in L. E. Bourne, Jr., & B. R. Ekstrand, *Psychology: Its Principles and Meanings (4th ed.)*. New York: Holt, Rinehart, and Winston.

Harvey, L. O., Jr., & Gervais, M. J. (1981). Internal representation of visual texture as the basis for the judgment of similarity. *Journal of Experimental Psychology: Human Perception and Performance, 7*, 741–753.

## 1982

Boshoven, M. M., McNeil, M. R., & Harvey, L. O., Jr. (1982). Hemispheric specialization for the processing of linguistic and non-linguistic stimuli in congenitally deaf and hearing adults: A review and contribution. *Audiology, 21*, 509–530.

## 1983

Harvey, L. O., Jr., Roberts, J. O., & Gervais, M. J. (1983). The spatial frequency basis of internal representations. In H.-G. Geissler, H. F. J. M. Buffart, E. L. J. Leeuvenberg, & V. Sarris (Eds.), *Modern Issues in Perception* (pp. 217–226). Berlin: VEB Deutscher Verlag der Wissenschaften.

## Publications

1984

Gervais, M. J., Harvey, L. O., Jr., & Roberts, J. O. (1984). Identification confusions among letters of the alphabet. *Journal of Experimental Psychology: Human Perception and Performance*, *10*, 655–666.

Harvey, L. O., Jr., DiLaura, D. L., Mistrick, R. G., & Ngai, P. (1984). Quantifying reactions of visual display operators to indirect lighting. *Journal of the Illuminating Engineering Society*, *14*, 515–546.

1985

Harvey, L. O., Jr. (1985). Sensation and Perception. Chapter 3 in L. E. Bourne, Jr., & B. R. Ekstrand, *Psychology: Its Principles and Meanings (5th ed.)*. New York: Holt, Rinehart, and Winston.

Harvey, L. O., Jr., & Bodis–Wollner, I. for Working Group 57–Emergent Techniques for Assessment of Visual Performance, Committee on Vision, Assembly of Behavioral and Social Sciences, National Research Council, National Academy of Sciences. (1985). *Emergent Techniques for Assessment of Visual Performance*. Washington, D.C.: National Academy Press.

Harvey, L. O., Jr. (1985). Visual memory for human faces. *Perception*, *14*, A9.

Harvey, L. O., Jr., Rentschler, I., & Weiss, C. (1985). Sensitivity to phase distortion in central and peripheral vision. *Perception and Psychophysics*, *38*, 392–396.

1986

Harvey, L. O., Jr. (1986). Visual memory: What is remembered? In F. Klix & H. Hagendorf (Eds.), *Human Memory and Cognitive Capabilities* (pp. 173–187). New York: North–Holland/Elsevier.

Harvey, L. O., Jr. (1986). Efficient estimation of sensory thresholds. *Behavior Research Methods, Instruments, & Computers*, *18*, 623–632.

1987

Harvey, L. O., Jr. (1987). Brightness. In G. Adelman (Ed.), *Encyclopedia of Neuroscience* (pp. 178–180). Cambridge, Mass.: Birkhäuser Boston, Inc.

## Publications

Harvey, L. O., Jr. (1987). Contrast sensitivity. In Working Group on Night Vision, Committee on Vision, Commission on Behavioral and Social Sciences and Education, *Night Vision: Current Research and Future Directions* (pp. 162–172). Washington, D. C.: National Academy Press.

1988

Harvey, L. O., Jr. (1988). Brightness. In R. Held (Ed.), *Sensory Systems I: Vision and Visual Systems* (pp. 7–8). Cambridge, Mass.: Birkhäuser Boston, Inc. Reprinted from G. Adelman (Ed.), *Encyclopedia of Neuroscience* (pp. 178–180). Cambridge, Mass.: Birkhäuser Boston, Inc.

Harvey, L. O., Jr. (1988). To honor psychophysics and repeal confusion. [Commentary on Laming, D. (1986). *Sensory Analysis*. New York: Academic Press]. *The Behavioral and Brain Sciences*, 11, 298.

1989

Peterzell, D. H., Harvey, L. O., Jr., & Hardyck, C. (1989). Spatial frequency and the cerebral hemispheres: Contrast sensitivity, visible persistence, and letter classification. *Perception and Psychophysics*, 46, 443–455.

1990

Harvey, L. O., Jr., & Doan, V. V. (1990). Visual masking at different polar angles in the two-dimensional Fourier plane. *Journal of the Optical Society of America A*, 7, 116–127.

1991

Strasburger, H., Harvey, L. O., Jr., & Rentschler, I. (1991). Contrast thresholds for identification of numeric characters in direct and eccentric view. *Perception and Psychophysics*, 49, 495–508.

Igel, A., & Harvey, L. O., Jr. (1991). Spatial distortions in visual perception. *Gestalt Theory*, 13, 210–231.

1992

Harvey, L. O., Jr., Hammond, K. R., Lusk, C. M., & Mross, E. F. (1992). Application of signal detection theory to weather forecasting behavior. *Monthly Weather Review*, 120, 863–883.

Hammond, K. R., Harvey, L. O., Jr., & Hastie, R. (1992). Making better use of scientific knowledge: separating truth from justice. *Psychological Science*, 3, 80–87.

## Publications

Harvey, L. O., Jr. (1992). The critical operating characteristic and the evaluation of expert judgment. *Organizational Behavior and Human Decision Processes.*, 53, 229–251.

Hammond, K. R., Harvey, L. O., Jr., & Hastie, R. (1992). Comment on application of decision science: Reply. *Psychological Science*, 3, 383–384.

1993

Strasburger, H., Rentschler, I., & Harvey, L. O., Jr. (1993). Visual acuity, contrast sensitivity, and recognition of optotypes. In R. Steyer, K. F. Wender, & K. F. Widaman (Eds.), *Psychometric Methodology* (pp. 493–498). Stuttgart: Gustav Fischer Verlag.

1994

Harvey, L. O., Jr. (1994). Visual Systems Analysis. Review of *Contrast Sensitivity* by Robert Shapley and Dominic Man-Kit Lam (Eds.). *Science*. 264, 602.

Strasburger, H., Rentschler, I., & Harvey, L. O., Jr. (1994). Cortical magnification theory fails to predict visual recognition. *European Journal of Neuroscience*, 6, 1583–1588.

1996

Linschoten, M. R., Harvey, L. O., Jr., Jafek, B. W., & Eller, P. M. (1996). Rapid and accurate measurement of taste and smell thresholds using an adaptive maximum-likelihood staircase procedure. *Chemical Senses*, 21, 633-634.

1997

Harvey, L. O., Jr. (1997). Efficient estimation of sensory thresholds with ML-PEST. *Spatial Vision*, 11, 121-128.

1998

Harvey, L. O., Jr. (1998). Brightness. In G. Adelman & B. H. Smith (Eds.), *Encyclopedia of Neuroscience* (2nd ed., Vol. CD-ROM, ). New York: Elsevier Science.

1999

Harvey, L. O., Jr. (1999). Brightness. In G. Adelman & B. H. Smith (Eds.), *Encyclopedia of Neuroscience* (2<sup>nd</sup> ed.). New York: Elsevier Science.

Schefrin, B. E., Tregear, S. J., Harvey, L. O., Jr., & Werner, J. S. (1999). Senescent changes in scotopic contrast sensitivity. *Vision Research*, 39, 3728-3736.

## Publications

2000

Milligan, E. D., Mehmert, K. K., Hinde, J. L., Harvey, L. O., Jr., Martin, D., Tracey, K. J., Maier, S. F., & Watkins, L. R. (2000). Thermal hyperalgesia and mechanical allodynia produced by intrathecal administration of the human immunodeficiency virus-1 (HIV-1) envelope glycoprotein, gp120. *Brain Research*, 861(1), 105-116.

2001

Harvey, L. O., Jr. (2001). Psychology of vision. In N. J. Smelser & P. B. Baltes (Eds.), *International Encyclopedia of the Social & Behavioral Sciences* (Vol. 24, pp. 16237-16246). New York: Elsevier.

Linschoten, M. R., Harvey, L. O., Jr., Eller, P. M., & Jafek, B. W. (2001) Fast and accurate measurement of taste and smell thresholds using a maximum-likelihood adaptive staircase procedure. *Perception & Psychophysics*, 63(8), 1130-1347.

2003

Harvey, L. O., Jr. (2003). *Dealing with uncertainty in an uncertain world*. In J. Andre, D. A. Owens, & L. O. Harvey, Jr. (Eds.), *Visual Perception: The influence of H. W. Leibowitz*. American Psychological Association: Washington, D.C.

Andre, J., Owens, D. A., & Harvey, L. O., Jr. (Eds.). (2003). *Visual Perception: The influence of H. W. Leibowitz*. American Psychological Association: Washington, D.C.

Andre, J., Owens, D. A., & Harvey, L. O., Jr. An appreciation of Herschel Weldon Leibowitz. In J. Andre, D. A. Owens, & L. O. Harvey, Jr. (Eds.) (2003), *Visual Perception: The influence of H. W. Leibowitz*. American Psychological Association, Washington, D.C.

2004

Harvey, L. O., Jr. (1999). Brightness. In G. Adelman & B. H. Smith (Eds.), *Encyclopedia of Neuroscience* (3<sup>rd</sup> ed.). New York: Elsevier Science (ISBN 0-444-51432-5).

Linschoten, M. R. & Harvey, L. O., Jr. (2004). Detecting malingerers by response-sequence analysis. *Perception & Psychophysics*, 66(7), 1190–1201.

2007

Arehart, K. H., Kates, J. M., Anderson, M. C., & Harvey, L. O., Jr. (2007). Effects of noise and distortion on speech quality judgments in normal-hearing and hearing-impaired listeners. *Journal of the Acoustical Society of America*, 122(2), 1150–1164.

## Publications

Davis, R. G., & Harvey, L. O., Jr. (2007). Simulating adaptation luminances. *Leukos: The Journal of the Illuminating Engineering Society of North America*, 4(1), 31–56.

2012

Harvey, L. O., Jr. (2012). Herschel Weldon Leibowitz (1925–2011). *American Psychologist*, 67(20), 160.

2013

Harvey, L. O., Jr. (2013). Through the gaze darkly. [Brain and the Gaze: On the Active Boundaries of Vision" by Jan Lauwereyns., Cambridge, MA: MIT Press.]. *PsycCRITIQUES*, 58(30), No Pagination Specified. doi: 10.1037/a0033464

2014

Harvey, L. O., Jr., & Schmidt, E. K. (2014). Self-organizing properties of the visual field: Gestalt forces in action. In A. Geremek, M. W. Greenlee & S. Magnussen (Eds.), *Perception Beyond Gestalt: Progress in vision research* (pp. 67–81). London: Psychology Press: Taylor & Francis Group.

2015

Szczepanowski, R., Traczyk, J., Fan, Z., & Harvey, L. O., Jr. (2015). Preferential access to emotion under attentional blink: evidence for threshold phenomenon. *Polish Psychological Bulletin*, 46(1), 127. doi: 10.1515/ppb-2015-0010

2017

Kates, J. M., Arehart, K. H., Anderson, M. C., Kumar Muralimanohar, R., & Harvey, L. O. (2018). Using Objective Metrics to Measure Hearing Aid Performance. *Ear and Hearing*, 39(6), 1165-1175. doi:10.1097/aud.0000000000000574

2018

Kates, J. M., Arehart, K. H., Anderson, M. C., Kumar Muralimanohar, R., & Harvey, L. O. (2018). Using Objective Metrics to Measure Hearing Aid Performance. *Ear and Hearing*, 39(6), 1165-1175. doi:10.1097/aud.0000000000000574

Kwilasz, A. J., Green Fulgham, S. M., Ellis, A., Patel, H. P., Duran-Malle, J. C., Favret, J., Harvey, L. O., Jr., Rieger, J., Maier, S. F., & Watkins, L. R. (2018). A single peri-sciatic nerve administration of the adenosine 2A receptor agonist ATL313 produces long-lasting anti-allodynia and anti-inflammatory effects in male rats. *Brain, Behavior, and Immunity, onlin*, 13 November 2018. doi:https://doi.org/10.1016/j.bbi.2018.11.011.



## Publications

2019

Kwilasz, A. J., Green Fulgham, S. M., Ellis, A., Patel, H. P., Duran-Malle, J. C., Favret, J., Harvey, L. O., Jr., Rieger, J., Maier, S. F., & Watkins, L. R. (2019). A single peri-sciatic nerve administration of the adenosine 2A receptor agonist ATL313 produces long-lasting anti-allodynia and anti-inflammatory effects in male rats. *Brain, Behavior, and Immunity*, 76 (February 2019), 116\_125. doi:<https://doi.org/10.1016/j.bbi.2018.11.011>.

## Presentations at Professional Meetings

1965

Harvey, L. O., Jr., & Leibowitz, H. W. (1965, April). Size matching for familiar objects in a naturalistic environment. *Eastern Psychological Association*, 36th Annual Meeting, 22–24 April 1965, Atlantic City, New Jersey.

1966

Harvey, L. O., Jr., & Leibowitz, H. W. (1966, April). Effect of exposure duration, cue reduction, and monocularly on size matching at short distances. *Eastern Psychological Association*, 37th Annual Meeting, 14–15 April 1966, New York, New York.

1967

Harvey, L. O., Jr., & Leibowitz, H. W. (1967, April). Overconstancy as a function of type of test–object. *Eastern Psychological Association*, 38th Annual Meeting, 6–8 April 1967, Boston, Massachusetts.

1968

Harvey, L. O., Jr., & Leibowitz, H. W. (1968, April). Matched size as a function of instructions, environment and type of test–object. *Eastern Psychological Association*, 39th Annual Meeting, 18–20 April 1968, Washington, D.C.

1969

Harvey, L. O., Jr. (1969, April). Critical flicker fusion as a function of viewing distance, stimulus size and luminance. *Eastern Psychological Association*, 40th Annual Meeting, 10–12 April 1969, Philadelphia, Pennsylvania.

1970

Harvey, L. O., Jr. (1970, April). Flicker sensitivity and brightness matching as a function of surrounding luminance. *Eastern Psychological Association*, 41st Annual Meeting, 2–4 April 1970, Atlantic City, New Jersey.

Harvey, L. O., Jr. (1970, May). Some recent ideas about geometrical optical illusions. Meeting of *Netherlands Psychonomics Foundation*, 14 May 1970, Utrecht, The Netherlands.

Harvey, L. O., Jr. (1970, December). Flicker sensitivity as a function of stimulus size. *American Academy of Optometry*, Annual Meeting, 12–15 December 1970, Miami Beach, Florida.

## Presentations at Professional Meetings

1971

Harvey, L. O., Jr., & Michon, J. A. (1971, April). Detection of relative motion as a function of exposure duration and angular separation. *Eastern Psychological Association*, 42nd Annual Meeting, 15–17 April 1971, New York, New York.

Harvey, L. O., Jr. (1971, December). Contrast sensitivity of the human retina. *American Academy of Optometry*, Annual Meeting, 11–14 December 1971, Toronto, Ontario, Canada.

1972

Frost, D., Pöppel, E., Held, R. M., & Harvey, L. O., Jr. (1972, April). Properties of visually-elicited saccadic eye movements as a function of target eccentricity. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 24–28 April 1972, Sarasota, Florida.

Harvey, L. O., Jr. (1972, April). Apparent brightness as a function of locus within the visual field. *Eastern Psychological Association*, 43rd Annual Meeting, 27–29 April 1972, Boston, Massachusetts.

Harvey, L. O., Jr. (1972, December). Multidimensional analyses of pattern perception. Meeting of *National Academy of Sciences–National Research Council Committee on Vision*, 30 November–1 December 1972, Washington, D.C.

1973

Harvey, L. O., Jr., & Gratto, K. A. (1973, May). Adaptation to visual form. *Eastern Psychological Association*, 44th Annual Meeting, 3–5 May 1973, Washington, D.C.

Harvey, L. O., Jr. (1973, November). Overview of problems in peripheral vision research and some approaches. *New England Psychological Association*, 13th Annual Meeting, 9–10 November 1973, Boston, Massachusetts.

1974

Harvey, L. O., Jr., & Shipman, J. (1974, April). Subjective brightness in the peripheral visual field. *Eastern Psychological Association*, 45th Annual Meeting, 18–20 April 1974, Philadelphia, Pennsylvania.

Harvey, L. O., Jr. (1974, May). Psychophysical functions of the peripheral retina. *First International Visual Field Symposium*, 20–24 May 1974, Marseilles, France.

## Presentations at Professional Meetings

Harvey, L. O., Jr. (1974, December). The relationship between psychophysics and physiology. *15th Interamerican Congress of Psychology*, 14–19 December 1974, Bogota, Columbia.

## 1976

Harvey, L. O., Jr., & Polson, M. C. (1976, April). Hemispherical representation of the visual mid–line in humans. *Association for Research in Vision and Ophthalmology*, Annual Meeting 26–30 April 1976, Sarasota, Florida.

Harvey, L. O., Jr., & Polson, M. C. (1976, September). Hemispherical representation of the visual mid–line in humans. *Second International Visual Field Symposium*, 19–22 September 1976, Tübingen, Federal Republic of Germany.

## 1977

Harvey, L. O., Jr., & Gervais, M. J. (1977, April). Fourier analysis and the perceptual similarity of texture. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 25–29 April 1977, Sarasota, Florida.

## 1978

Harvey, L. O., Jr. (1978, March). The congruence of perceptual and Fourier representations of visual stimuli. *European Conference on Sensory and Perceptual Processes*, 19–23 March 1978, Marburg, Federal Republic of Germany.

Gervais, M. J., Harvey, L. O., Jr., & Roberts, J. O. (1978, May). Letter confusions and Fourier spectra. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 30 April–5 May 1978, Sarasota, Florida.

Harvey, L. O., Jr., & Gervais, M. C. (1978, October). Short-term memory for visual texture. *Optical Society of America*, Annual Meeting, 30 October–3 November 1978, San Francisco, California.

## 1979

Harvey, L. O., Jr., Gervais, M. C., & Gervais, M. J. (1979, April). The relationship between individual differences in contrast matching and individual differences in texture perception. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 30 April–4 May 1980, Sarasota, Florida.

Harvey, L. O., Jr., Gervais, M. J., & Roberts, J. O. (1979, October). A spatial frequency basis for texture similarity judgments. *International Conference on Cybernetics and Society*, 8–10 October 1979, Denver, Colorado.

## Presentations at Professional Meetings

Harvey, L. O., Jr., & Roberts, J. O. (1979, October). Spatial frequency factors in perception of complex stimuli. *Second European Conference on Visual Perception*, 15–18 October 1979, Noordwijkerhout, The Netherlands.

## 1980

Roberts, J. O., & Harvey, L. O., Jr. (1980, May). Spatial frequency masking of complex pictures. *Optical Society of America, Technical Session Meeting—Recent Advances in Vision*, 30 April–3 May 1980, Sarasota, Florida.

Harvey, L. O., Jr. (1980, May). A microcomputer system for psychological research. *North American Society for the Psychology of Sport and Physical Activity*, 1980 NASPSA Conference, 25–28 May 1980, Boulder, Colorado.

Harvey, L. O., Jr., Roberts, J. O., & Gervais, M. J. (1980, July). The spatial frequency basis of internal representations. *XXIIInd International Congress of Psychology*, 6–12 July 1980, Leipzig, German Democratic Republic.

## 1981

Harvey, L. O., Jr., Roberts, J. O., & Gayl, I. E. (1981, September). Form perception and peripheral vision. *Fourth European Conference on Visual Perception*, 8–11 September 1981, Gouvieux (Paris), France.

## 1983

Harvey, L. O., Jr. (1983, May). Memory for visual texture in central and peripheral vision. *Association for Research in Vision and Ophthalmology, Annual Meeting*, 2–6 May 1983, Sarasota, Florida.

Harvey, L. O., Jr. (1983, August). The processes of letter recognition. *Sixth European Conference on Visual Perception*, 28–31 August 1983, Castelvecchio, Italy.

## 1984

Harvey, L. O., Jr., DiLaura, D. L., Mistrick, R. G., & Ngai, P. (1984, August). Quantifying reactions of visual display operators to indirect lighting. *Illuminating Engineering Society, Annual Technical Conference*, 4–10 August 1984, St. Louis, Missouri.

## 1985

Harvey, L. O., Jr., & Sinclair, G. P. (1985, May). On the quality of visual imagery. *Association for Research in Vision and Ophthalmology, Annual Meeting*, 6–10 May 1985, Sarasota, Florida.

## Presentations at Professional Meetings

Harvey, L. O., Jr. (1985, July). Visual memory: What is remembered? In Klix, F. (Chair), Symposium "In Memoriam Hermann Ebbinghaus," 1–6 July 1985, Humboldt University, Berlin, German Democratic Republic. (Invited contribution).

Harvey, L. O., Jr. (1985, September). Visual memory for human faces. *Eighth European Conference on Visual Perception*, 18–21 September 1985, Peñiscola, Spain.

Harvey, L. O., Jr. (1985, October). Contrast Sensitivity. *National Research Council Conference on Night Vision*, 30 October to 1 November 1985, Brooks Air Force Base, San Antonio, Texas. (Invited contribution).

## 1986

Harvey, L. O., Jr. (1986, November). On the quality of visual imagery. *The Psychonomic Society*, Twenty–Seventh Annual Meeting, 13–15 November 1986, New Orleans, Louisiana.

## 1987

Peterzell, D. H., Harvey, L. O., Jr., & Hardyck, C. (1987, May). Hemisphere specialization and spatial frequency. *Rocky Mountain Psychological Association*, Annual Meeting, 1–3 May 1987, Albuquerque, New Mexico.

Harvey, L. O., Jr., & Doan, V. V. (1987, May). Visual masking at different polar angles in the two–dimensional Fourier plane. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 4–8 May 1987, Sarasota, Florida.

Harvey, L. O., Jr. (1987, June). The basic mechanisms of vision and the forms of visual representation. *Workshop on Knowledge Representation and Information Processing*, 24–28 June 1987, Berlin, German Democratic Republic. (Invited contribution).

Peterzell, D. H., & Harvey, L. O., Jr. (1987, August). Spatial frequencies and size–invariant representation of form. *The Society for Mathematical Psychology*, The Twentieth Annual Meeting, 6–8 August, 1987, Berkeley, California.

Harvey, L. O., Jr., & Doan, V. V. (1987, September). On the nature of spatial mechanisms in vision. *Tenth European Conference on Visual Perception*, 21–24 September 1987, Varna, Bulgaria.

Harvey, L. O., Jr. (1987, December). Visual mechanisms of spatial resolution. *American Academy of Optometry*, Annual Meeting, 5–8 December 1987, Denver, Colorado. (Invited contribution).

## Presentations at Professional Meetings

1988

Harvey, L. O., Jr. (1988, March). Mechanisms of spatial vision. *European Brain and Behaviour Society*, Workshop on “Visual processing of form and motion,” 17–19 March 1988, Tübingen, Federal Republic of Germany. (Invited contribution).

Harvey, L. O., Jr. (1988, May). The interpretation of threshold elevation produced by masking and adaptation. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 1–6 May 1988, Sarasota, Florida.

1989

Harvey, L. O., Jr. (1989, October). Visual mechanisms of perceived reality. Invited Presentation, 10 October 1989, October Meeting of the Illuminating Engineering Society of North America: Twin Cities Section, Minneapolis, Minnesota.

1990

Harvey, L. O., Jr., & Schmidt, E. K. (1990, May). Self-organizing properties of vision. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 29 April–4 May 1990, Sarasota, Florida.

Strasburger, H., Harvey, L. O., Jr., & Rentschler, I. (1990, May). Recognition of numeric characters in foveal and eccentric view. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 29 April–4 May 1990, Sarasota, Florida.

Harvey, L. O., Jr., & Schmidt, E. K. (1990, September). Effect of field size and shape on self-organization properties in vision. *Thirteenth European Conference on Visual Perception*, 4–7 September 1990, Paris, France.

Strasburger, H., Harvey, L. O., Jr., & Rentschler, I. (1990, September). Character recognition in foveal and peripheral view. *Thirteenth European Conference on Visual Perception*, 4–7 September 1990, Paris, France.

Harvey, L. O., Jr. (1990, October). On aesthetics in vision. Invited presentation, *AIA Conference on Sensational Architecture*, American Institute of Architects, 25–28 October 1990, The Broadmoor Hotel, Colorado Springs, Colorado.

1991

Harvey, L. O., Jr. & Hammond, K. R. (1991, April). Separating truth from justice: How to do it. *Fifteenth Regional Conference on the History and Philosophy of Science: “Science, Technology, and Politics.”* 18–20 April 1991, University of Colorado, Boulder, Colorado.

## Presentations at Professional Meetings

- Raney, S. M., & Harvey, L. O., Jr. (1991, May). Spatial and temporal properties of the filling-in process. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 28 April–3 May 1991, Sarasota, Florida.
- Strasburger, H., Rentschler, I., & Harvey, L. O., Jr. (1991, July). Visual acuity, contrast sensitivity, and recognition of optotypes. *European Psychometric Society*, Annual Meeting, 28–31 July 1991, Trier, Federal Republic of Germany.
- Harvey, L. O., Jr., Igel, A., & Schmidt, E. K. (1991, August). Gestalt self-organizing forces in vision. *Fourteenth European Conference on Visual Perception*, 26–30 August 1991, Vilnius, Lithuania.
- Harvey, L. O., Jr. (1991, August). Visual perception as a self-organizing system. Invited Symposium Presentation: “Primary Description of Visual Image,” *Fourteenth European Conference on Visual Perception*, 26–30 August 1991, Vilnius, Lithuania.
- Harvey, L. O., Jr. (1991, December). Neuroaesthetics of vision: Gestalt self-organizing forces in action. Invited keynote address, *Third Congress of the Dutch Psychonomic Society (Nederlandse Vereniging voor Psychonomie)*, 19–20 December, Noordwijkerhout, The Netherlands.

## 1992

- Strasburger, H., Harvey, L. O., Jr., & Rentschler, I. (1992, May). Character recognition on the horizontal meridian. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 3–8 May 1992, Sarasota, Florida.
- Harvey, L. O., Jr. & Greenlee, M. W. (1992, September). The dynamic properties of spatial frequency contrast adaptation. *Fifteenth European Conference on Visual Perception*, 30 August–3 September 1992, Pisa, Italy.
- Harvey, L. O., Jr., Igel, A., & Schmidt, E. K. (1992, November). Gestalt self-organizing forces in visual perception. *Thirty-Third Annual Meeting of the Psychonomic Society*, 13–15 November 1992, St. Louis, Missouri.

## 1993

- Harvey, L. O., Jr. (1993, April). The science of perception. Invited address, *Illuminating Engineering Society–Great Lakes Regional Conference*, 26–28 April 1993, Dearborn, Michigan.
- Harvey, L. O., Jr., & Greenlee, M. W. (1993, May). The dynamics of spatial frequency contrast adaptation. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 2–7 May 1993, Sarasota, Florida.



## Presentations at Professional Meetings

Menees, S. M., Harvey, L. O., Jr., & Greenlee, M. W. (1993, August). The effects of interruptions in adaptation on the duration and magnitude of threshold elevation. *Sixteenth European Conference on Visual Perception*, 25–28 August 1993, Edinburgh, Scotland, Great Britain.

1994

Menees, S. M., Greenlee, M. W., & Harvey, L. O., Jr. (1994, May). Dynamic spatial-frequency tuning properties of contrast adaptation. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 1–6 May 1994, Sarasota, Florida.

Raney, S. M. & Harvey, L. O., Jr. (1994, May). Visual memory for the orientation of Gabor patches. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 1–6 May 1994, Sarasota, Florida.

1995

Raney, S. M. & Harvey, L. O., Jr. (1995, May). Visual memory for spatial frequency of Gabor patches. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 14–19 May 1995, Ft. Lauderdale, Florida.

Harvey, L. O., Jr. (1995, August). Dynamic reorganization in visual memory. American Psychological Association, Annual Meeting, 11–15 August 1995, New York, New York.

Harvey, L. O., Jr., Raney, S. M., & Everett, D. A., Jr. (1995, August). The structure and decay of elemental visual memory. *Eighteenth European Conference on Visual Perception*, 21–25 August, 1995, Tübingen, Federal Republic of Germany.

1996

Linschoten, M. R., Harvey, L. O., Jr., Eller, P., & Jafek, B. (1996, April). Rapid and accurate measurement of taste and smell thresholds using an adaptive, maximum-likelihood staircase procedure. *Association for Chemoreception Sciences*, Annual Meeting, 17–21 April 1996, Sarasota, Florida.

Harvey, L. O., Jr., Tran, V. X., & Raney, S. M. (1996, April). Memory channels and memory for spatial frequency. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 21–26 April 1996, Fort Lauderdale, Florida

## Presentations at Professional Meetings

1997

Linschoten, M. R., Harvey, L. O., Jr., Eller, P. & Jafek, B. (1997, July). Test-Retest Reliability of Chemosensory Thresholds Determined with an Adaptive Maximum-Likelihood Staircase Procedure. Joint meeting of *Association for Chemoreception Sciences* and *International Symposium on Olfaction and Taste*, 6–12 July 1997, San Diego, California.

1998

Harvey, L. O., Jr. & Raney, S. M. (1998, May). Sequential effects in memory for spatial frequency. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 10–15 May 1998, Fort Lauderdale, Florida.

Tragear, S. J., Scheffrin, B. E., Harvey, L. O., Jr., & Werner, J. S. (1998, May). Changes in the scotopic contrast sensitivity function across the life span. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 10–15 May 1998, Fort Lauderdale, Florida.

Harvey, L. O., Jr. & Raney, S. M. (1998, October). Symposium on Visual Memory for Patterns, Objects, and Scenes: Sensory and nonsensory factors in spatial frequency memory. *Optical Society of America*, Annual Meeting, 4–9 October, Baltimore, Maryland.

1999

Harvey, L. O., Jr., Raney, S. M., & Arehart, K. H. (1999, May). Memory for frequency in vision and audition. *Association for Research in Vision and Ophthalmology*, Annual Meeting, 9–14 May 1999, Fort Lauderdale, Florida.

Harvey, L. O. Jr. (1999, June). Dealing with uncertainty in an uncertain world. *Symposium in honor of Professor Herschel W. Leibowitz*, The Pennsylvania State University, 17–19 June, State College, Pennsylvania

2002

Linschoten, M. R., Harvey, L. O., Jr., & Mitchell, S. M. (2002, April). Detecting malingerers with psychophysical methods. Annual meeting of the *Association for Chemoreception Sciences*, 24–28 April 2002, Sarasota, Florida.

2007

Davis, R. G. & Harvey, L. O., Jr. (2007, January). Simulating adaptation luminances. Annual meeting of the *Illuminating Engineering Society of North America*, 28–30 January 2007, Phoenix, Arizona.

Presentations at Professional Meetings

2008

Arehart, K. H., Kates, J. M., Anderson, M. C., & Harvey, L. O., Jr. (2008). Effects of linear, nonlinear and combined linear and nonlinear distortion on perceived speech quality. Paper presented at the *International Hearing Aid Research Conference 2008*. August 13 through August 17, 2008, Granlibakken Conference Center, Lake Tahoe, California.

2016

Harvey, L. O., Jr. (2016). *The Visibility Challenge: Why Nighttime Illumination is Hard*. Featured Speaker, Meeting of the Illuminating Engineering Society, Roadway Lighting Committee, Denver, Colorado, 18 March 2016