

# Curriculum Vitae

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## Career

### Degrees

**B.A. 1965:** Hebrew U. of Jerusalem, Jerusalem, Israel (psychology & philosophy)

**Ph.D. 1972:** Hebrew U. of Jerusalem, Jerusalem, Israel (psychology). Advisor: Amos Tversky

### Additional education

**1971–1973:** Visiting Research Associate, The U. of Illinois at Urbana-Champaign (post-doctoral fellowship with Emanuel Donchin)

### Experience

**1987–:** Professor, U. of Virginia.

**1980–87:** Associate ⇒ Professor, Rutgers U.

**1973–79:** Assistant ⇒ Associate Professor, Yale U.

**1971–73:** Visiting Instructor ⇒ Assistant Professor, The U. of Illinois at Urbana-Champaign.

### Honors

**2007 (April):** Member, International Jury to award the Franqui Prize (the highest scientific Belgian award).

**2006 (May), 2004 (May) & 2002 (Nov.):** Senior Research Fellow, Laboratory of Perceptual Dynamics, Riken Brain Institute, Wako-shi, Saitama, Japan.

**2004 (Jul.–Aug.):** Residency, Rockefeller Foundation’s Study & Conference Center in Bellagio, Italy.

**2001–02:** Guggenheim Fellow (John Simon Guggenheim Memorial Foundation)

**1998–99:** Cattell Fellowship (James McKeen Cattell Fund)

**1995:** Elected Fellow of the Society of Experimental Psychologists

**1990:** Senior Fellow, Commonwealth Center for Cultural and Literary Change, The U. of Virginia.

**1989:** Fellow, American Psychological Society.

**1984:** Fellow, Divisions 1, 3, and 10 of the American Psychological Association.

### Professional activities

**2003 (Jun.)–2006:** Secretary/Treasurer of the Society of Experimental Psychologists

### Grants (past 10 years)

**2007–09 Australian Research Council:** *The Binding of Spatial and Nonspatial Features in the Retention of Visual and Auditory Information* (DP0773836; A\$187,000 [direct costs]; co-PI with M.T. Mayberry [U of Western Australia], D.L. Van Valkenburg [UWA], F. Parmentier [U of Plymouth, UK] and D.M. Jones [Cardiff U, UK]).

**2003–08 USPHS:** *Auditory Perceptual Organization* (R01 DC 005636; \$796,250 [direct costs]).

**1999–05 USPHS:** *Gestalt detection* (R01 EY 12926-06; \$577,393 [direct costs]).

**1991–97 USPHS:** *Gestalt detection* (R01 MH 47317-01; \$496,639 [direct costs]).

**1987–90 NSF:** *Concurrent pitch segregation* (BNS 86-17809; \$220,000 [direct + indirect costs]).

### Memberships

American Psychological Association, Psychonomic Society, American Psychological Society, Vision Sciences

### Consulting

**2001:** Proctor & Gamble on visual perception

### Publications

#### Books

- Bertamini, M., & Kubovy, M (Eds.). (2006). *Human perception*. Aldershot, UK: Ashgate.
- Kubovy, M. (Ed.). (1986). Perceptual organization and cognition. Section VI in K. R. Boff, L. Kaufman, & J. P. Thomas (Eds.), *Handbook of perception and human performance: Vol. 2. Cognitive processes and performance*. New York, NY: Wiley.
- Kubovy, M. (1986). *The psychology of perspective and Renaissance art*. New York, NY: Cambridge U. Press. [1992, in Italian: *La freccia nell’occhio: Psicologia della prospettiva e arte rinascimentale* (G. Mancuso, Trans.). Padua: Muzzio. 1996, in Spanish: *La flecha en el ojo: Psicología de la perspectiva y el arte del renacimiento* (D. Lunes, Trans.). Madrid: Trotta.]
- Kubovy, M., & Pomerantz, J. R. (Eds.). (1981). *Perceptual organization*. Hillsdale, NJ: Lawrence Erlbaum.

**Papers in Refereed Journals**

- Kubovy, M., & Schutz, M. (in press). Audio-visual objects. *European Journal of Philosophy*. (Special issue on “Objects and Sound Perception,” edited by Nicolas J. Bullot and Paul Égré.)
- Nikolaev, A. R., Gepshtein, S. Kubovy, M., & van Leeuwen, C. (2008). Dissociation of early evoked cortical activity in perceptual grouping. *Experimental Brain Research*, 186, 107–122.
- Kubovy, M., & Van den Berg, M. (2008). The whole is equal to the sum of its parts: A probabilistic model of grouping by proximity and similarity in regular patterns. *Psychological Review*, 115(1), 131–154.
- Gepshtein, S., Tyukin, I., & Kubovy, M. (2007). The economics of motion perception and invariants of visual sensitivity. *Journal of Vision*, 7(8), 1–18.
- Gepshtein, S., & Kubovy, M. (2007). The lawful perception of apparent motion. *Journal of Vision*, 7(8), 1–15.
- Strother, L. & Kubovy, M. (2006). On the surprising salience of curvature in grouping by proximity. *Journal of Experimental Psychology: Human Perception & Performance*, 32, 226–234.
- Gepshtein, S. & Kubovy, M. (2005). Stability and change in perception: Spatial organization in temporal context. *Experimental Brain Research*, 160, 487–495.
- Kubovy, M. (2004). Goya breaks Alberti’s window to send a message. *Rivista di Estetica*, n.s., 43, No. 24, 89–95.
- Strother, L., Van Valkenburg, D. & Kubovy, M. (2003). Toward a psychophysics of perceptual organization using multistable stimuli and phenomenal reports. *Axiomathes*, 13, 283–302.
- Strother, L. & Kubovy, M. (2003). Perceived complexity and the grouping effect in band patterns. *Acta Psychologica*, 114, 229–244.
- Van Valkenburg, D. & Kubovy, M. (2003). In defense of the theory of indispensable attributes. *Cognition*, 87, 225–233.
- Kubovy, M. & Van Valkenburg, D. (2001). Auditory and visual objects. *Cognition*, 80, 97–126. [Reprinted in Bertamini & Kubovy (2006).]
- Kubovy, M., & Epstein, W. (2001). Internalization: A metaphor we can live without. *Behavioral & Brain Sciences*, 24, 618–625, 757–757. [Special issue of *BBS* devoted to a critique of Shepard’s (1994) account of perceptual-cognitive Universals as internalizations of non-stochastic physical structure in the environment. Guest editors: L. T. Maloney, R. Mausfeld, & D. Heyer.]
- Gepshtein, S. & Kubovy, M. (2000). The emergence of visual objects in space-time. *Proceedings of the National Academy of Sciences*, 97, 8186–8191.
- Kubovy, M., Cohen, D. J., & Hollier, J. (1999). Feature integration that routinely occurs without focal attention. *Psychonomic Bulletin & Review*, 6, 183–203.
- Yang, T., & Kubovy, M. (1999). Perceiving transformations of space in perspective pictures. *Perception & Psychophysics*, 61, 456–467.
- Kubovy, M., & Holcombe, A. O., & Wagemans, J. (1998). On the lawfulness of grouping by proximity. *Cognitive Psychology*, 35, 71–98.

- Bertamini, M., Friedenber, J., & Kubovy, M. (1997). Detection of symmetry and perceptual organization: How a lock-and-key process works. *Acta Psychologica*, 95, 119–140.
- Kubovy, M., & Wagemans, J. (1995). Grouping by proximity and multistability in dot lattices: A quantitative gestalt theory. *Psychological Science*, 6, 225–234.
- Kubovy, M. (1994). The perceptual organization of dot lattices. *Psychonomic Bulletin & Review*, 1, 182–190.
- Cohen, D. J., & Kubovy, M. (1993). Mental rotation, mental representation, and flat slopes. *Cognitive Psychology*, 25, 351–382.
- Mauro, R., & Kubovy, M. (1992). Caricature and face recognition. *Memory & Cognition*, 20, 433–440.
- Kubovy, M. (1989). Twice blessed: A Renaissance perspective on human perception. *The Sciences*, 29, 38–39.
- Kubovy, M. (1988). Should we resist the seductiveness of the space:time: :vision:audition analogy? *Journal of Experimental Psychology: Human Perception & Performance*, 14, 318–320.
- Kubovy, M., & Pickover, C. (1985). Speech vectorgram. *IBM Technical Disclosure Bulletin*, 27, 6774–6775.
- Kubovy, M., & Daniel, J. (1983). Pitch-segregation by interaural phase, by onset, and by monaural phase. *Journal of the Audio Engineering Society*, 31, 630–635.
- Healy, A. F., & Kubovy, M. (1981). Probability matching and the formation of conservative decision rules in a numerical analog of signal detection. *Journal of Experimental Psychology: Human Learning & Memory*, 7, 344–354.
- Kubovy, M., & Podgorny, P. (1981). Does pattern matching require normalization of size and orientation? *Perception & Psychophysics*, 30, 24–28.
- Kubovy, M., & Jordan, R. (1979). Tone-segregation by phase: On the phase sensitivity of the single ear. *Journal of the Acoustical Society of America*, 66, 100–106.
- Healy, A. F., & Kubovy, M. (1978). The effects of payoffs and prior probabilities on cutoff location in recognition memory. *Memory & Cognition*, 6, 544–553.
- Kubovy, M. (1978). A reply to Dusoir. *Perception & Psychophysics*, 23, 546–553.
- Kubovy, M. (1977). A possible basis for conservatism in signal detection and probabilistic categorization tasks. *Perception & Psychophysics*, 22, 277–281.
- Kubovy, M. (1977). Response availability and the apparent spontaneity of numerical choices. *Journal of Experimental Psychology: Human Perception & Performance*, 3, 359–364.
- Kubovy, M., & Healy, A. F. (1977). Numerical decision and the ideal learner: A reply to Dorfman. *Journal of Experimental Psychology: General*, 106, 450–452.
- Kubovy, M., & Healy, A. F. (1977). The decision rule in probabilistic categorization: What it is and how it is learned. *Journal of Experimental Psychology: General*, 106, 427–446.
- Healy, A. F., & Kubovy, M. (1977). A comparison of recognition memory to numerical decision: How prior probabilities affect numerical cutoff location. *Memory & Cognition*, 5, 3–9.
- Kubovy, M., & Howard, F. P. (1976). Persistence of a pitch-segregating echoic memory. *Journal of Experimental Psychology: Human Perception & Performance*, 2, 531–537.

- Kubovy, M., & Psotka, J. (1976). The predominance of seven and the apparent spontaneity of numerical choices. *Journal of Experimental Psychology: Human Perception & Performance*, 2, 291–294. [Reprinted in Matheson, D. W., Bruce, R. L., & Beauchamp, K. L. *Experimental psychology: Research design and analysis* (3d edition). New York, NY: Holt, Rinehart, & Winston, 1978.]
- Kubovy, M., & Tzelgov, J. (1975). A test of Vitz and Todd's model of the judged complexity of straight-line figures. *Perception & Psychophysics*, 18, 186–190.
- Kubovy, M., Cutting, J., & McGuire, R. M. (1974). Hearing with the third ear: Dichotic perception of a melody without monaural familiarity cues. *Science*, 186, 272–274.
- Donchin, E., Kubovy, M., Kutas, M., & Johnson, R. (1973). Graded changes in evoked response (P300) amplitude as a function of cognitive activity. *Perception & Psychophysics*, 14, 319–324.
- Kubovy, M., & Trahiotis, C. (1972). Misleading textbook illustrations of simple harmonic motion. *Journal of Speech & Hearing Research*, 15, 807–810.
- Kubovy, M., Rapoport, A., & Tversky, A. (1971). Deterministic vs. probabilistic strategies in detection. *Perception & Psychophysics*, 9, 427–429.
- Kahneman, D., Norman, J., & Kubovy, M. (1967). Critical duration for the resolution of form: Centrally or peripherally determined? *Journal of Experimental Psychology*, 73, 323–327.

### Chapters in Books

- Bianchi, I., Savardi, U. & Kubovy, M. (in press). The Genesis of Illusions. In Calabi, C., Spinici, P. & Mulligan, K. (ed.) *The Crooked Oar*. Cambridge, MA, USA: MIT Press.
- Van Valkenburg, D., & Kubovy, M. (2004). From Gibson's fire to Gestalts: A bridge-building theory of perceptual objecthood. In J. Neuhoff (Ed.), *Ecological Psychoacoustics* (pp. 113–147). San Diego, CA: Elsevier Science .
- Kubovy, M., & Strother, L. (2004). The perception of friezes: Going beyond geometry. In D. Washburn (Ed.), *Embedded Symmetries* (pp. 19–26). Dragoon, AZ: Amerind Foundation & University of New Mexico Press.
- Kubovy, M., & Gepshtein, S. (2003). Grouping in space and in space-time: An exercise in phenomenological psychophysics. In M. Behrmann & R. Kimchi (Eds.), *Perceptual Organization in Vision: Behavioral and Neural Perspectives* (pp. 45–85). Mahwah, NJ: Lawrence Erlbaum.
- Kubovy, M., Epstein, W., & Gepshtein, S. (2003). Foundations of visual perception. In A. F. Healy & R. W. Proctor (Eds.), *Experimental Psychology* (pp. 87–119). Volume 4 in I. B. Weiner (Editor-in-Chief) *Handbook of psychology*. New York, NY: Wiley.
- Kubovy, M. (2002). Phenomenology, cognitive. In L. Nadel (Ed.), *Encyclopedia of Cognitive Science* (pp. – ). London, UK: Nature Publishing Group.
- Kubovy, M. (2000). Visual and design arts. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology* (vol. 8, pp. 188–193). Washington, DC & New York, NY: APA & Oxford U. Press.
- Kubovy, M., & Gepshtein, S. (2000). Gestalt: From Phenomena to Laws. In K. Boyer & S. Sarkar (Eds.), *Perceptual Organization for Artificial Vision Systems* (pp. 41–72). Dordrecht, the Netherlands: Kluwer Academic Publishers.

- Kubovy, M. (1999). Gestalt psychology. In R. A. Wilson & F. C. Keil (Eds.), *The MIT Encyclopedia of the Cognitive Sciences* (pp. 346–349). Cambridge, MA: MIT Press.
- Kubovy, M. (1999). Pleasures of the mind. In D. Kahneman, E. Diener & N. Schwarz (Eds.), *Well-being: The Foundations of Hedonic Psychology* (pp. 134–154). New York, NY: Russell Sage Foundation.
- Boker, S. M., & Kubovy, M. (1998). The perception of segmentation in sequences: Local information provides building blocks for global structure. In D. A. Rosenbaum & C. E. Collyear, *Timing of behavior: Neural, computational, and psychological perspectives* (pp. 109–123). Cambridge, MA: MIT Press.
- Boker, S., & Kubovy, M. (1998). Predicting the grouping of rhythmic sequences using local estimators of information content. In Rosenthal, D. & Okuno, H. G. (Eds.), *Readings in Computational Auditory Scene Analysis* (pp. 309–319). Mahwah, NJ: Erlbaum.
- Kubovy, M. (1998). Psychology of perspective. In M. Kelly (Ed.), *Encyclopedia of Aesthetics* (Vol. 3, pp. 481–485). New York, NY: Oxford U. Press.
- Kubovy, M. (1996). Perceptual tools for looking at Forge’s paintings. *Andrew Forge: Catalog published on the occasion of an exhibition at the Yale Center for British Art* (pp. 15–25). New Haven, CT: Yale Center for British Art.
- Kubovy, M. (1995). Symmetry and similarity: The phenomenology of decorative patterns. C. Cacciari (Ed.), *Similarity in Language, Thought, and Perception* (pp. 41–66). Turnhout, Belgium: Brepols.
- Kubovy, M., & Gilden, D. (1991). Apparent randomness is not always the complement of apparent order. In G. Lockhead & J. R. Pomerantz (Eds.), *The Perception of Structure* (pp. 115–127). Washington, DC: American Psychological Association.
- Kubovy, M. (1987). Concurrent pitch segregation. In W. R. Yost, & C. S. Watson (Eds.), *Auditory Processing of Complex Sounds* (pp. 299–314). Hillsdale, NJ: Lawrence Erlbaum.
- Pomerantz, J. R., & Kubovy, M. (1986). Theoretical approaches to perceptual organization: Simplicity and likelihood principles. In K. R. Boff, L. Kaufman, & J. P. Thomas (Eds.), *Handbook of Perception and Human Performance: Vol. 2. Cognitive Processes and Performance* (pp. 36-1–36-46). New York, NY: Wiley.
- Kubovy, M. (1986). Overview of Section VI. In K. R. Boff, L. Kaufman, & J. P. Thomas (Eds.), *Handbook of Perception and Human Performance: Vol. 2. Cognitive Processes and Performance* (pp. vi-1–vi-9). New York: Wiley.
- Kubovy, M. (1983). Artists as avant-garde psychologists. B. Collings (Ed.), *Aspects of Perception: Art and Cognitive Science* (pp. 48–51). Richmond, VA: Virginia Commonwealth U.
- Pomerantz, J. R., & Kubovy, M. (1981). Perceptual organization: An overview. In M. Kubovy, & J. R. Pomerantz (Eds.), *Perceptual Organization* (pp. 423–456). Hillsdale, NJ: Lawrence Erlbaum.
- Kubovy, M. (1981). *Concurrent pitch segregation and the theory of indispensable attributes*. In M. Kubovy, & J. R. Pomerantz (Eds.), *Perceptual Organization* (pp. 55–98). Hillsdale, NJ: Lawrence Erlbaum.
- Kubovy, M., & Healy, A. F. (1981). Process models of probabilistic categorization. In T. Wallsten (Ed.), *Cognitive Processes in Choice and Decision Behavior* (pp. 239–262). Hillsdale, NJ: Lawrence Erlbaum.
- Kubovy, M. (1979). Two hypotheses concerning the interrelation of perceptual spaces. In L. D. Harmon (Ed.), *Interrelations of the Communicative Senses: Proceedings of a conference held at Asilomar, California, Sept. 29–Oct. 2, 1978*. Cleveland, Ohio: Case Western Reserve U.

### Book Reviews and Comments

- Kubovy, M. (2003). Cognitive science and its discontents. (Review of P. Dodwell, “Brave New Mind.”) *Contemporary Psychology*, 48, 520–524.
- Kubovy, M. & Cohen, D. J. (2001). What boundaries tell us about binding. *Trends in Cognitive Sciences*, 5, 93–95.
- Cohen, D. J., & Kubovy, M. (1999). Even feature integration is cognitively impenetrable. *Behavioral & Brain Sciences*, 22, 371–372, 414–423. [Commentary on Pylyshyn, Z. (1999). Is vision continuous with cognition? The case for cognitive impenetrability of visual perception. *Behavioral & Brain Sciences*, 22, 341–423.]
- Kubovy, M. (1992) Review of “Cognitive Foundations of Musical Pitch” by Carol L. Krumhansl. *American Scientist*, 80, 199.
- Kubovy, M. (1983). Mental imagery majestically transforming cognitive psychology. (Review of R. N. Shepard & L. Cooper, “Mental images and their transformations.”) *Contemporary Psychology*, 28, 661–663.
- Kubovy, M. (1981). A review of rare and excellent matters. (Review of K. Connolly (Ed.), “Psychology survey no. 2.”) *Contemporary Psychology*, 26, 471–472.
- Kubovy, M. (1979). How probable and useful are subjective probability and utility? (Review of “Decision making and change in human affairs,” edited by H. Jungerman & G. de Zeeuw.) *Contemporary Psychology*, 24, 174–175.
- Kubovy, M. (1979). Review of “Attention & Performance VI,” edited by S. Dornič. *American Scientist*, 67, 114.
- Kubovy, M. (1975). Review of “Illusion in nature and art,” edited by R. L. Gregory & E. H. Gombrich. *American Scientist*, 63, 476.

### Public lectures (past 10 years)

#### Invited Departmental Colloquia

- 2006–07: Belgium: U. of Leuven
- 2004–05: Florida Atlantic U.; Israel: Haifa U., Ben-Gurion U., Center for the Study of Rationality (Hebrew U. of Jerusalem)
- 2003–04: Italy: U. of Padua; Japan: Tokyo U.; Nihon U. (Tokyo); RIKEN Brain Science Institute
- 2002–03: Japan: Tokyo U.; Nihon U. (Tokyo); RIKEN Brain Science Institute; Italy: U. of Trieste.
- 2001–02: Rice U.; Belgium: U. of Leuven
- 2000–01: U. of Chicago; Belgium: U. of Leuven; Italy: U. of Verona (three lectures); U. of Padua (two lectures).
- 1999–00: New York U.; Rutgers at Newark; NEC Institute, Princeton, NJ
- 1998–99: Stanford U.; Israel: Tel Aviv U.; Haifa U.; Hebrew U. of Jerusalem; Technion—Israel Institute of Technology; Ben Gurion U. (Be’er Sheva)

**Invited Addresses at Conferences**

- 2008** Pleasure and the dynamics of static works of art. *Pictures, emotions and make-believe. The philosophy and psychology of picture perception*, Gargnano del Garda, Italy, June 18–20.  
*Art, Creativity and Learning Workshop*, NSF campus, Arlington, VA, June 11–13 (sponsored by NSF).
- 2007** *Symposium on “Piero della Francesca’s Vision: Dialogues between Art and Science”*, Arezzo, Italy, Aug. 26–27 (satellite meeting of the 30th annual European Conference on Visual Perception).  
*Meeting of the Gestalt Theory Association*, Macerata, Italy, May 25–27.  
*Conference on picture perception* (organized by Pascal Mamassian & Marty Banks), Univ. of California, Berkeley, Mar. 23–25.
- 2006** *Conference on Configural Processing*, Rice Univ., Houston, TX, Nov. 15.  
There are no perceptual illusions: only meta-perceptual experiences. *The crooked oar. The illusions of outer and inner perception. Philosophy and psychology*, Gargnano del Garda, Italy, Sept. 18–19.
- 2005** Phenomenological Psychophysics and Mathematical Models of Gestalt Phenomena. Keynote Address, *SQAB (Society for the Quantitative Analyses of Behavior)*, Chicago, IL, May 27–28.  
How much of the male gaze is male? Invited contribution to symposium on Cognition and Film. *SCMS (Society for Cinema & Media Studies)*, London, UK, Mar. 31–Apr. 3.
- 2004** How Newton, Kant and the Gestalt Psychologists led us astray. Some new ideas about perception. *The Henkels Lecture*, Notre Dame University, April 2.
- 2003** Regular patterns in visual, auditory, and aesthetic perception. *The Kanizsa Lecture*, Trieste, Italy, October 17.  
The quantification of phenomenal experience: A new approach to Wertheimer’s laws of perceptual organization. *The Wertheimer Lecture*, Frankfurt, Germany, April 29.  
Phenomenological and traditional Psychophysics: Their strengths and weaknesses. *The Foundations of Perceptual Organization*. Symposium sponsored by the University of Bologna, April 24.
- 2002** Visually driven pleasure *Invited address*. ECVP [European Conference on Visual Perception], Glasgow, August 25-29.  
Auditory and visual Objects—Implications for Music. *Strumento tradizionale—strumento digitale: le nuove tecnologie applicate alla Musica e alla Multimedialità* [Traditional and digital instruments: new technologies applied to music and multimedia], Sponsored by the Conservatory of Music, Verona, Italy, June 21–22.  
Phenomenology, phenomenological psychophysics, and perceptual organization. *The Legacy of Gaetano Kanizsa in cognitive science*. Sponsored by the Mitteleuropa Foundation, Bolzano, Italy, June 10–12.  
(with D. Van Valkenburg) Auditory and visual objects. *The Legacy of Gaetano Kanizsa in cognitive science*. Sponsored by the Mitteleuropa Foundation, Bolzano, Italy, June 10–12.  
(with D. Van Valkenburg) On the Phenomenology of Presence. *Presence Research Activities*. Information Day sponsored by the Future and Emerging Technologies Initiative of the EU, Brussels, January 10.
- 2000** Does the brain form unconscious alternatives of perceptual organization? *Bayesian Models of Perception*. Workshop at Katholieke Universiteit Leuven, October 20–21.

This is not a small room: Magritte and beyond. *Reconceiving Pictorial Space?* Workshop at the Center for Interdisciplinary Research (ZiF), Bielefeld, June 13–17.

Grouping in space and time. *Perceptual Organization in Vision: Behavioral and Neural perspectives*. The 31st Carnegie Symposium on Cognition, Carnegie Mellon U., June 2–4.

The Perception of Band Patterns: Going Beyond Geometry. *Embedded Symmetries*, Seminar sponsored by the Amerind Foundation, Dragoon, AZ, April 13–17.

**1999** From Gestalt Principles to Gestalt Laws. *Invited address*. Second IEEE Computer Society Workshop on Perceptual Organization in Computer Vision, Corfu, Greece, Sept. 20–21.

The pleasures of the mind. *Invited address sponsored by Division 10*. APA, 107th annual convention, Boston, MA, Aug.

The pleasures of the mind. *Three lectures*. Tel-Aviv U., Tel Aviv, Israel, May.

On perceptual grouping. *Fourth Annual Irvin Rock Memorial Lecture*, U. of California at Berkeley, Jan. 22.