

- [Home](#)
- [About the CVR](#)
- [News](#)
- [Members](#)
- [Seminar Series](#)
- [Conference](#)
- [Resources](#)
- [CVR Summer School](#)
- [Research Labs](#)
- [Training at the CVR](#)
- [Partnering with the CVR](#)
- [Contact Us](#)

- Thursday, November 14, 1996
Eye Movements and Attention

2.0 Description of meeting by Eileen Kowler Nov 14th "Eye movements and attention".

2.1 Saccades are eye movements that are amazingly fast, amazingly accurate and feel completely effortless. This talk considered a couple of problems in our understanding of how the saccadic eye movement control system (i) selects a target, (ii) isolates its target from a background and (iii) can operate under free-head natural conditions.

2.2 Dr Kowler has requested that I do not post a full summary. She comments: "I feel that this sort of material should be confined to the talk itself and any notes the participants take. What I can do is send you a list of the current references (articles + 2 abstracts) headed by a brief introductory paragraph. I will get to this in the next day or two". I will add this information to the web page when I receive it.

2.3 Here are some references which Dr Kowler has recently provided me with (Dec 19, 1996)

Kowler, E. and Blaser, E. (1995) The accuracy and precision of saccades to small and large targets. *Vision Research*, 35, 1741-1754.

Kowler, E., Anderson, E., Doshier, B. and Blaser, E. (1995) The role of attention in the programming of saccades. *Vision Research*, 1897-1916.

Epelboim, J., Steinman, R.M., Kowler, E., Edwards, M., Pizlo, Z., Erkelens, C.J. and Collewijn, H. (1995) The function of visual search and memory in sequential looking tasks. *Vision Research*, 35, 3401-3422.

Epelboim, J., Kowler, E., Steinman, R.M., Collewijn, H., Erkelens, C.J., and Pizlo, Z. (1995) When push comes to shove: Compensation for passive perturbations of the head during natural gaze shifts. *Journal of Vestibular Research*, 5, 421-442.

Kowler, E. (1995) Eye movement. In: *Invitation to Cognitive Science*, Vol. 2. (Edited by Kosslyn, S.). MIT Press.

Bahcall, D.O. and Kowler, E. (1995) Attentional interference at close spatial separations *Investigative Ophthalmology and Visual Sciences Supplement*, 36, S901.

McGowan, J., Kowler, E., Sharma, A. and Chubb, C. (1996) Precise saccadic localization of random dot targets. *Investigative Ophthalmology and Visual Sciences Supplement*, 37, S524.

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