Two papers in this issue examine the rapid movements (saccades) that our eyes make when scanning a visual scene. Visual information processing is suppressed during saccades. Thilo and colleagues report that the site of this suppression is early in the visual pathway, before the visual cortex. On the other hand, it is controversial whether saccades may have a role in visual processing. John Ross and Anna Ma-Wyatt found that saccades contribute to perception by erasing past visual information and strengthening visual associations. Eye movement fixation sequence recorded by Iain D. Gilchrist. (pp 13 and 65)

Shadows are bound to body image. (p 14)
ARTICLES

17 Developmental switch from GABA to glycine release in single central synaptic terminals
J Nabekura, S Katsurabayashi, Y Kakazu, S Shibata, A Matsubara, S Jinno, Y Mizoguchi, A Sasaki & H Ishibashi ► see also p 6

24 Synaptic signaling between GABAergic interneurons and oligodendrocyte precursor cells in the hippocampus
S Lin & D E Bergles

33 Hippocampal plasticity requires postsynaptic ephrinBs
I C Grunwald, M Korte, G Adelmann, A Plueck, K Kullander, R H Adams, M Frotscher, T Bonhoeffer & R Klein

41 Spike timing of dendrite-targeting bistratified cells during hippocampal network oscillations in vivo
T Klausberger, L F Márton, A Baude, J D B Roberts, P J Magill & P Somogyi

48 BDNF is necessary and sufficient for spinal respiratory plasticity following intermittent hypoxia
T L Baker-Herman, D D Fuller, R W Bavis, A G Zabka, F J Golder, N J Doperalski, R A Johnson, J J Watters & G S Mitchell

56 Neuron-specific contribution of the superior colliculus to overt and covert shifts of attention
A Ignashchenkova, P W Dicke, T Haarmeier & P Thier

65 Saccades actively maintain perceptual continuity
J Ross & A Ma-Wyatt

70 Attention increases neural selectivity in the human lateral occipital complex
S O Murray & E Wojciulik ► see also p 8

75 Increased prefrontal and parietal activity after training of working memory
P J Olesen, H Westerberg & T Klingberg ► see also p 10

80 Altered awareness of voluntary action after damage to the parietal cortex
A Sirigu, E Daprati, S Ciancia, P Giraux, N Nghoghossian, A Posada & P Haggard

85 A system in the human brain for predicting the actions of others
N Ramnani & R C Miall ► see also p 5

91 ERRATUM

NATURE NEUROSCIENCE CLASSIFIED

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