Attention to self-referential stimuli: Can I stop looking at myself?

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 One's own name has been described as particularly prone to attract attention (Moray, 1959; Wolford & Morrison, 1980)

This effect is temporary and only appears when enough resources are available (Harris & Pashler, 2004)

This effect is dependent upon the presentation of the task-irrelevant stimulus within the focus of attention (Gronau et al., 2003)



Conclusion

One's own face has some distractive abilities

BUT only in specific conditions:

When it is presented within the focus of attention of an observer engaged in a demanding primary task (but not if presented at periphery)

- The distraction is temporary and similar to that produced by another familiar face
- \rightarrow Surprise effect that habituates (see Harris & Pashler, 2004)
- Some distraction can also occur when the own face is presented at periphery if enough attentional resources are available
 - \rightarrow Attentional shifts as the observer gets used to the task
- → No automatic capture of attention by familiar and important faces



What about one's own face?

- Does it also produce distraction and is this distraction temporary?
- Is this distraction stronger than that produced by another highly familiar face?
- Is distraction dependent on the location and task demands?
- \rightarrow Adaptation of the paradigm used by Harris & Pashler (2004)

Variables

D.V.: Mean RTs on primary task I.V. Block 1:

Trial type (20-28, 29, 30-38, 39,

 Order (self-classmate, classmate-self)

I.V. Block 2: Identity of the DF (self,

classmate, unfamiliar)



The DF is still presented at periphery, but the primary task is easier (shape identity judgment) \rightarrow Distraction if more resources are available?

30 to 38 39

Only the first presentation of a familiar DF elicit a weak distraction. Marginal effect of order



When trials of Block 2 are split in 2 halves: the effect of identity is non-significant for the 1st half but significantly appears in the 2nd half

References

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