- KOLERS, P. A., & ROEDIGER, H. L. (1984). Procedures of mind. Journal of Verbal Learning & Verbal Behavior, 23, 425-449.
- KOSSLYN, S. M. (1980). Image and mind. Cambridge, MA: Harvard University Press.
- LANDAUER, A. A., & EPSTEIN, W. (1969). Does retinal size have a unique correlate in perceived size? *Perception & Psychophysics*, 6, 273-275.
- LARSEN, A. (1985). Pattern matching: Effects of size ratio, angular difference in orientation, and familiarity. *Perception & Psychophysics*, 38, 63-68.
- LARSEN, A., & BUNDESEN, C. (1978). Size scaling in visual pattern recognition. Journal of Experimental Psychology: Human Perception & Performance, 4, 1-20.
- LICHTEN, W., & LURIE, S. (1950). A new technique for the study of perceived size. American Journal of Psychology, 63, 281-282.
- MARR, D. (1982). Vision. San Francisco: W. H. Freeman.
- MARR, D., & NISHIHARA, H. K. (1978). Representation and recognition of the spatial organization of three-dimensional shapes. Proceedings of the Royal Society of London, Series B, 200, 269-294.
- MCMULLEN, P. A., & JOLICOEUR, P. (1990). The spatial frame of reference in object naming and discrimination of left-right reflections. *Memory & Cognition*, 18, 99-115.
- POSNER, M. I., & MITCHELL, R. F. (1967). Chronometric analysis of classification. Psychological Review, 74, 392-409.
- ROCK, I. (1956). The orientation of forms on the retina and in the environment. American Journal of Psychology, 69, 513-528.
- ROCK, I. (1973). Orientation and form. New York: Academic Press.
- ROCK, I. (1974). The perception of disoriented figures. Scientific American, 230, 78-85.
- ROCK, I., DI VITA, J., & BARBEITO, R. (1981). The effect on form perception of change of orientation in the third dimension. Journal of Experimental Psychology: Human Perception & Performance, 7, 719-732.
- ROCK, I., & HEIMER, W. (1957). The effects of retinal and phenomenal orientation on the perception of form. *American Journal of Psychology*, **70**, 493-511.
- SEKULER, R., & NASH, D. (1972). Speed of size scaling in human vision. Psychonomic Science, 27, 93-94.
- TAKANO, Y. (1989). Perception of rotated forms: A theory of information types. Cognitive Psychology, 21, 1-59.
- TANNER, P. P., JOLICOEUR, P., COWAN, W. B., BOOTH, K., & FISHMAN, F. D. (1989). Antialiasing: A technique for smoothing jagged lines on a computer graphics image—An implementation for the AMIGA. Behavior Research Methods, Instruments, & Computers, 21, 59-66.

- TARR, M. J., & PINKER, S. (1989). Similarity information versus relational information: Differences in the time course of retrieval. Cognitive Psychology, 21, 139-155.
- WALLACH, H., & MCKENNA, V. V. (1960). On size perception in the absence of cues for distance. American Journal of Psychology, 73, 458-460.

## NOTES

1. Antialiasing is a technique used to smooth the jagged edges that characterize straight lines drawn by simple line-drawing algorithms on many microcomputers.

2. Correct RTs were submitted to an outlier analysis that eliminated suspiciously large or small RTs (3.3%, 5.8%, and 3.1% of the data in Experiments 1, 2, and 3, respectively). For each cell in the design, the highest and lowest RTs were temporarily excluded and the mean and standard deviation of the remaining RTs were calculated. An upper limit of the mean plus four standard deviations and a lower limit of the mean minus four standard deviations were set. If the high temporarily excluded RT was less than the upper limit, then it was reincluded in the cell. Similarly, if the low excluded RT was greater than the lower limit, then it was reincluded in the cell. If either or both RTs were not reincluded, then the above procedure was repeated with the remaining members of the cell. The analysis ended when both temporarily excluded RTs were reincluded in the cell.

3. Note that extensive analyses of the data gathered on foil trials in all experiments were conducted. However, since the results in no way contradict our interpretation of the target data, and since signal detection measures are not applicable to reaction time data, we decided that their inclusion in the paper would result in unnecessary distraction.

4. Under completely reduced conditions, the specific distance tendency causes objects to be seen at a distance of between 2 and 3 m (Gogel, 1971). However, under partially reduced conditions, the equidistance tendency is the more powerful in determining perceived distance (Gogel, 1965, 1969a).

5. Our prediction based on the distance and size estimates of subjects was that the size-congruency effect found in the full group would be attenuated in the reduced group. This is in accord with both Gogel's (1965, 1969a) view of size and distance perception and with Holway and Boring's (1941) view that retinal size can be perceived directly.

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## Notices and Announcements

## Call for Assistance in The Compilation of a History of the Psychonomic Society

The Governing Board of the Psychonomic Society is pleased to announce that Robert C. Bolles has agreed to serve as the first Historian of the Society.

All members who might have information relevant to this undertaking are invited to send it directly to Dr. Bolles. Founding members and those who attended the early meetings are especially encouraged to record their reminiscences. While Dr. Bolles hopes to collect as much information as possible relevant to the history of the Society, he will concentrate first on the early history.

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