Cover: A swimming golden shiner, Notemigonus crysoleucas, with its flow-sensing lateral line system visible as a light streak along the trunk. M. J. McHenry, K. B. Michel, W. Stewart and U. K. Müller (pp. 1309-1319) found that this sensory system does not allow fish to minimise drag by controlling the head motion during swimming, as previously suggested. The authors discovered that disabling the lateral line caused swimming to have a greater lateral excursion that may allow a fish to rapidly adjust its swimming to ambient currents. The schematic below illustrates a hypothesis for how this could be controlled by the nervous system. Photograph courtesy of Gilberto Cardenas.

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