1014-05-1065 Darren A. Narayan* (dansma@rit.edu), Department of Mathematics and Statistics, 85 Lomb Memorial Drive, Rochester Institute of Technology, Rochester, NY 14623-5603, and Shelley K. Speiss, Department of Mathematics and Statistics, 85 Lomb Memorial Drive, Rochester Institute of Technology, Rochester, 14623-5603. *Holey Knight's Tours.*

A holey knight's tour is a knight's tour on an $m \times n$ board where one or more squares have been removed. We consider boards where m and n are odd, and the corner squares are colored black. We investigate the existence of holey knight's tours on boards missing a single black square. In particular, we show the existence of a holey knight's tour on $m \times n$ boards where m and n are at least 7 and any black square is removed. Finally, we present methods for constructing holey knight's tours on boards where more than one square is removed. (Received September 27, 2005)