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CONTENTS

ARTICLES

- 34 A Revised Diameter for the Serpent Mound Impact Crater in Southern Ohio by K.A. Milam
- 44 Seasonal, Taxonomic, and Local Habitat Components of Bird-Window Collisions on an Urban University Campus in Cleveland, OH by W.C. Borden, O.M. Lockhart, A.W. Jones and M.S. Lyons

BRIEF NOTE

- 53 Evidence of Maximum Age of the Serpent Mound Impact Event from Shatter Cones by K.A. Milam, C. Gabreski, M. Baranowski and D.W. Miller

NECROLOGY

- 55 2010 Necrology Report

WHITE PAPER

- 66 What are Science, Technology and Engineering?
by The Board of Trustees of The Ohio Academy of Science

INSTRUCTIONS TO AUTHORS — inside back cover

COVER PHOTO: Previous studies of the Serpent Mound impact crater in southern Ohio have identified only two of the three important landforms associated with complex impact craters: the central peak and the surrounding graben (the latter coinciding with area beneath the crater floor). The third landform, the crater rim, was never identified. The diameter (7 to 8 km) of the area that encompasses both the central peak and ring graben was previously offered as the diameter of the crater, which was not representative of the full extent of this crater. Morphometric analysis, a reexamination of the local morphology, and delineation of structural deformation using subsurface data have provided new insight concerning the actual size of the Serpent Mound impact crater. Results suggest that the Serpent Mound impact crater is approximately 14 km in diameter and that surficial remnants of a crater rim still exist along the eastern half of the crater. See article on page 34 by K.A. Milam.