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## **ARCHAEOASTRONOMY AT MOUNDS STATE PARK**

During the 1988 Ball State University field school at Mounds Park, it was discovered that two enclosures were aligned to sunset at the summer and winter solstice when viewed from the center of the Great Mound. Additional depressions in the Great Mound embankment were found to be oriented toward due north and due west (sunset at the equinox) and to four locations to the east. The eastern alignments correlated with the rise of bright stars. The alignments through the Great Mound embankment also correlated with the post hole pattern previously recorded on the central platform of the Great Mound. In addition, a review of the distribution of similar enclosures in east central Indiana revealed that the sites were aligned to summer solstice sunrise and sunset. These discoveries have demonstrated aspects of site arrangement, regional organization, and expressions of Adena cosmology previously unrecognized.