

MISC GEOPHYSICS PUBLICATIONS

PAPERS

Mickus, K., 2007, Precambrian blocks and orogen boundaries in the north-central United States determined from gravity and magnetic data: in Hatcher, R., Carlson, M., McBride, J., and Martinez J. (eds.), 4-D Framework of Continental Crust: Geological Society of America Memoir 200, p. 327-340, doi: 10.1130/2007.1200(16).

Evans, K.R., Mickus, K.L., Rovey, C.W. II, and Davis, G.H., 2004, Field Trip I: The Weableau-Osceola Structure: Evidence of a Mississippian Meteorite Impact in Southwestern Missouri, in Plymate, T.G. (ed.), *Field Trip Guidebook of the Association of Missouri Geologists 50th Annual Meeting, Springfield, Missouri, September 26-27, 2003*, Missouri Department of Natural Resources, Geological Survey and Resource Assessment Division, Report of Investigation No. 75 (Guidebook No. 26), p. 1-30.

ABSTRACTS

Almadani, S., Gao, S., Liu, K., and Mickus, K., 2010, Crustal thickness, poisson's ratio and Moho sharpness beneath central Tien Shan: constraints from receiver function stacking, presented to North-Central/South Central GSA meeting, Branson, Mo.

Flutz, T., Mickus, K., and Evans, K., 2010, [Gravity and magnetic studies of the Decaturville impact structure, Missouri](#), presented to North-Central/South Central GSA meeting, Branson, Mo.

Mickus, K., 2010, The EARTHSCOPE magnetotelluric experiment: progress and future experiments, presented to North-Central/South Central GSA meeting, Branson, Mo

Cosatt, M., and Mickus, K., 2009, Geophysical evidence for the origin of the lead-zinc deposits in the Tri-state mining district, KS, MO AND OK, presented to north-central GSA meeting, Rockford, IL.

Schultz, A., Bedrosian, P., Evans, R., Egbert, G., Kelbert, A., Mickus, K., Livelybrooks, D., Park, S., Patro, P., Peery, T., Wannamaker, P., Unsworth, M., Weiss, C., and Woodward, B., 2008, EMScope-a continental-scale magnetotelluric array experiment, presented at the 19th EM Induction meeting, Beijing, China.

Schultz, A., Bedrosian, P., Evans, R., Egbert, G., Kelbert, A., Mickus, K., Livelybrooks, D., Park, S., Patro, P., Peery, T., Wannamaker, P., Unsworth, M., Weiss, C., and Woodward, B., 2008, An emerging view of the crust and mantle of tectonic North America from EMScope: a mid-term progress review of Earthscope's magnetotelluric program, presented to Fall AGU meeting.

Evans, K., Davis, G., Miao, X., Mickus, K., Miller, J., and Morrow, J., 2008, Re-evaluating the 38th parallel serial impact hypothesis, presented to Fall AGU meeting.

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Benson, R., 12 others including Mickus, K., 2008, Preliminary results and future plans of the electromagnetic component of Earthscope transportable array experiments, presented to the GSA national Meeting, Houston.

- Purevsuren, Uranbaig, and Mickus, K., 2008, Regional gravity and magnetic analysis of the crustal structure of Mongolia, presented to GSA meeting, Hot Springs, AR.
- Evans, K., Click, K., Mickus, K. and Snyder, R., 2007, Ground-penetrating radar imagery of Haviland crater, Kansas: Anatomy of a partially excavated meteorite impact site: to be presented to GSA national meeting, Denver.
- Click, K., Snyder, R., Evans, K., and Mickus, K., 2007, Ground-penetrating radar (GPR) profiles of Haviland Crater, Kansas, presented to North-Central GSA meeting, Lawrence, KS.
- Schultz, A., and Mickus, K., 2007, Earthscope backbone magnetotelluric station at Branden, Missouri, presented to North-Central GSA meeting, Lawrence, KS.
- Mickus, K., 2007, Spectral analysis of gravity data in the north-central United States, presented to North-Central GSA meeting, Lawrence, KS.
- Mickus, K. and Leslie, H., 2006. A detailed gravity survey for karst features near Louisville, Kentucky, to be presented at the 3rd Magrebin Colloquium on Applied Geophysics, Ouejda, Morocco.
- Leslie, H., and Mickus, K., 2006, Gravity and Magnetic analysis of the Springfield Missouri region, presented to SE GSA meeting, Knoxville, TN.
- Mickus, K., Evans, K., and Rovey, C., 2005, Gravity and magnetic analysis of the Weaubleau-Osceola structure, Missouri: presented to SEPM Conference on the Sedimentary Record of Meteorite Impacts, Springfield, MO.
- Evans, K., Davis, G., Mickus, K., Miller, J., and Rovey, C., 2005, The Weaubleau-Osceola structure and Weaubleau Breccia-compiling evidence of a marine impact: presented to SEPM Conference on the Sedimentary Record of Meteorite Impacts, Springfield, MO.
- Evans, K., Rovey, C., Davis, G., Mantei, E., Mickus, K., Miller, J., Moeglin, T., and Plymate, T., 2004, Oblique impact at Weaubleau-Osceola structure, Missouri: presented to GSA annual meeting, Denver.
- Stockdell, B., Mickus, K., Evans, K., Rovey, C., Miller, J., and Davis, G., 2004, Bouguer gravity and magnetic anomalies associated with the Weaubleau-Osceola impact structure, Missouri, presented to the north-central GSA meeting, St. Louis.
- Mickus, K., 2004, Proterozoic terranes of the north-central U.S. determined from gravity and magnetic data: 17th International Assoc. of Basement Tectonics meeting, Oak Ridge, TN.
- Rovey, C., Evans, K., Mickus, K., Miller, J., Plymate, T., and Thomson, K., 2003, Impact origin of the Weaubleau-Osceola structure in southwestern Missouri: presented to GSA annual meeting, Seattle.
- Evans, K., Rovey, C., Mickus, K., Miller, J., Plymate, T., Thomson, K., 2003, Weaubleau-Osceola structure Missouri: Deformation, event stratification, and shock metamorphism of a mid-Carboniferous impact site: presented to 3rd international conference on large meteorite impact sites, Norlingen, Germany.
- Evans, K., Mickus, K., Fagerlin, S., Luczaj, J., Mantei, E., Miller, J., Moeglin, T., Pavlowsky, R., Thomson, K., 2003, New dimensions of the Weaubleau structure: A possible new meteorite impact site in southwestern Missouri: presented to the North-Central GSA sectional meeting, KC.

