

“What about transfer zones?” – One of Eric Mountjoy’s Provocative Questions

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Abstract

This paper is a retrospective of the author’s Ph.D. research, conducted under the supervision of Dr. Eric Mountjoy, a lifelong student of Cordilleran geology and distinguished professor of geology at McGill University, on the occasion of a posthumous special session in his honour at the GeoConvention 2012 conference. This research, undertaken in the late 1980s to mid-1990s, contributed to insights on the structural geology and kinematics of the Central Canadian Rocky Mountains in particular, and thin-skinned thrust belt development in general. This research incorporated field observations and mapping, analysis and cross-sectional interpretation of subsurface data, and development and application of computer models to address the formation and utility of displacement transfer zones.