



Harrisburg Area Geological Society meeting announcement

Thursday
February 11, 2010
5:00 PM dinner
6:30 PM talk
GTS Technologies
441 Friendship Road
Harrisburg, PA

“Geomorphic expressions of anticlines in the Appalachian Plateaus province of Pennsylvania”

Presented by Dr. William Sevon

Early Alleghany orogeny fold-and-thrust tectonism created 78 doubly-plunging anticlines in the Appalachian Plateaus province of Pennsylvania west and north of the Allegheny structural front. Anticlines occur in 3 zones: southwest (SW), west central (WC), and north (N). Long anticlines, >15 km, are equally divided among zones. WC has 26 short, <15 km, anticlines; SW, 3, and N, 1. Analysis of a variety of anticline related data shows real differences between the 3 zones.

Topographic and geologic expression of the anticlines is different in each of the 3 zones and is summarized as: anticline unroofing in the SW; zero to significant topographic and geologic changes from W to E in the WC; and lateral NE trending anticline change from elongate hills in the SW to valley bottoms between synclinal uplands in the NE.

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We will be meeting informally for dinner at Fiesta Mexico at five. The restaurant is within sight of the GTS Technologies building.

For further information or to RSVP for the meeting and/or dinner please contact Rose-Anna Behr, rosbehr@state.pa.us or 717-702-2035.