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J. W. Peoples ✓
Jack Byrnes

Dear Joe and Jack:

The millenium has finally arrived, and I am sending each of you herewith: (1) a colored copy of the formation and fault overlay for the Hartford South quadrangle; (2) copies of Jack's memo to me referring to areas of disagreement between us on earlier versions of the map; and (3) a corner of the manuscript version of the Meriden quad north east corner showing where I suggest taking off the fault that I think enters Hartford South between its southwest corner and "Berlin."

I am not altogether happy with the map, but think I have gone as far as I can, with modifications you may suggest and we can flip a coin about. The chief virtue as I see it (outside the fact that it is "done") is that it is as internally consistent as I can make it. With Jack's modifications along the west edge--here included--it fits pretty well within the four quad block including New Britain, Meriden, and Middletown. I have kept the four on the wall and worked with them as a unit.

In general, the main additions have been the even greater emphasis on the northwest fault set, which points up its role - I think - in accomplishing jostle-block accommodation between the mass in New Britain and the Rocky Hill anticline. As I see it, the northeast and northwest sets cut each other in different places and are thus contemporaneous. Much of this can't be proved, of course--if you overlay this on my outcrop and attitude map you can see the "holy lands". Regardless of the holes, I think it hangs together.

A few notations are in order:

1. The northeasterly fault that intersects the north end of Cedar Ridge could be left out if we can justify extending the short northwest fault in the same area. I can't justify extending it to the southeast across the Hampden.

2. The south end of the Cedar Ridge mass, along Griswoldville and Two Rod roads could be a fault or a contact--I favor a fault. The East Berlin mapped between this area and Vexation Hill is covered with a lot of spillway garbage, and could conceivably be in part Holyoke--the rubble (shown on Deane's map) is suggestive.

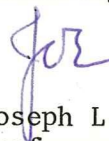
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3. The Shuttle Meadow associated with Vexation Hill is fictitious as far as outcrops go. I have reduced it by removal at the east end-- placing a short NE fault between the bit of Holyoke on Hayes Road and the deformed red beds on the little hills to the west. *now mapped as East Berlin*
4. The south boundary of Vexation Hill could be fault or contact. The line segments are placed about equally southeast and parallel to the several lines of outcrop. I favor a contact here.
5. The fault crossing North Road at the south edge of the map: this is discussed in some detail on the last page of the memos. Jack doesn't like it-- I love it!
6. Presence or absence of a fault northerly across the Newington "diamond": gravel pit-drive in-Indian Hill-Newington Center area. I have dotted this in. Jack would prefer to put it in, and change the east half of the lozenge to East Berlin. Either way would reasonably fit the bedrock contour map. Jack's preference emphasizes the north-east trend, mine emphasizes the "cracked-up" syndrome.

I'll look forward to your comments, and meantime will continue to sift through well data and the bedrock contour map. One other thing--I've made a couple of trial cross sections, and my conclusion is that they don't help much in terms of testing the map. If a section is too thick, just throw in a couple of faults--the evidence for which you probably don't have.

Well, happy browsing. I hope you'll be as pleased to receive as I am to give! Best regards to you both.

Sincerely,



Joseph L. Weitz
Professor of Geology

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