

Memo

Date: November 7, 2019

TO: Whom it May Concern

FROM: Earl F. Burkholder, PS, PE, F.ASCE www.globalcogo.com
Global COGO, Inc. eburk@globalcogo.com
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RE: Posting of extensive material from. . .
The Structure of Scientific Revolutions 3rd Ed. by Thomas S. Kuhn

I had posted extensive annotated copies from Thomas S. Kuhn's book as evidence of the factors to be addressed in promoting use of "The 3-D Global Spatial Data Model." That posting went beyond the limits of reasonable use for such posting and (in discussions with the publisher) I have removed that posting.

Note, however, that the accompanying web page of EFB comments on the Kuhn material remains posted. Readers are encouraged to get and read the book – paying attention to comments in the corresponding web posting.

The book by Thomas S. Kuhn contains a comprehensive description of the challenges and processes involved in a Scientific Revolution. It is my aspiration that many persons should read that book because the use of 3-D spatial (and geospatial) data is having a profound impact worldwide in various disciplines. Yes, it is a Scientific Revolution!

I have studied the geometry and characteristics of spatial data throughout my surveying and mapping career and have written various articles and books on same. While the revolution in the use of 3-D digital spatial data has yet to reach maturity, progress is occurring on various fronts (including spatial data accuracy) worldwide.

From my perspective, a description and analysis of spatial data models is overdue. Although the challenge (as described by Kuhn) is larger than can be addressed by any individual or organization, each deliberate step brings everyone closer to realizing the benefits of using an integrated 3-D spatial data model.

Therefore, my current (long-range) project is to write a careful description of the characteristics of spatial data models with the idea of providing food-for-thought in various disciplines.

Your feedback and kind assistance are always welcome!

If you want a copy of the Kuhn material (that was taken down), please send an email to eburk@globalcogo.com asking for "annotated Kuhn" and I'll be happy to share a copy with you.