

Given the very large scale extent of salt basins in the geological past compared to present day salt basins, is the principle of uniformitarianism, that present day processes are the key to the past actually based on a false premise? Observations of the large size of dragonfly fossils, large skeletons of an early type of human (+/- 9 feet high) in the Smithsonian, point to a time when the earth had a hyperbaric climate with a much higher oxygen content than the present day atmosphere. Should scientists be less shackled by possible false premises in their search for the truth of what actually may have happened in the geological past?

I agree that the world changes, hourly, monthly, yearly and, indeed, through the Eons. Sometimes looking for a match in the past may indeed be flooded, but you can certainly learn a lot during the search! Finally, I think the word "shackled" is perhaps a little dangerous; most scientists I know use the past as a guide, not the rule...