- What did North America look like 90 million years ago with an inland sea?
- What are the flight paths of birds in the old world?
- Lets map Mars!
- Can we build a 3D model of the Milky Way?

Remembering my 10th grade Earth Science teacher at Fairfax Senior High School 44 years ago, I've been lucky enough to be working in a field, Map Making, that makes it easy to also share knowledge. I found mapping not merely a set of lines, but a creation of a living story influenced by resources, art, and many other materials all brought about by too many people to count. I have been just one part.

From art to science, I found myself somewhat wandering around in the commercial graphics world. After working for myself for three years, I answered an anonymous ad for a "Map Maker". No problem!

To my surprise, I found myself hired by the National Geographic Society. Since 1981, designing maps, and fulfilling all the other requirements including creating some artwork and print company visits, it has all been quite unbelievable. The results have been many beautiful and useful maps worthy of the brand name.



This art side to the "Battles of the Civil War" map supplement to the NGS magazine is a collection of material meant to touch on the harshness of the national conflict. I arranged to have all these pieces photographed after deciding on them by visiting their owners. As if you were looking into a case at a museum, these articles and text were also picked to support the story in the magazine. The carbine is from the NRA Gun Museum in Fairfax. The map side is on sale at the Blenhiem Center.

One day on the 10th floor of the National Geographic, Gil Grosvenor pinned my coat lapel with 25 years of service while my high school teacher wife looked on, and smiled as we talked and laughed about being within the world of the NGS. So many times I was on the phone with or in company of very interesting people I was asking to share some of what they knew or were up to. They might have been astronomers, historians, explorers, authors, photographers, artists, geologists, ornithologists paleontologists, astronauts, government workers from the Department of Interior or NASA, and so on.



This map was created for the "GeoTourism Missions" NGS group.

Growing up here in the city, all my initiatives wherever I would go in life were formed, and were just strengthened as I broaden my experiences. A sense of nature, history, music, art, and science all started here.



These are more examples of the diverse subjects

