

# For the Peninsula Volunteers

## Geomagnetism

*-- and some surprisingly  
diverse applications*

Sheldon Breiner, a friend of Amalia, has spent the past 50 years with his favorite toy -- a magnetometer, measuring changes in the earth's magnetic field -- and using it to have more fun with more technical challenges than one could ever imagine. He will present, in thirty minutes, seven disparate examples of these topics

- Finding oil deposits using magnetometer
- Magnetic field change from H-bomb 6,000 miles away --  
voila!--creation of the Internet
- Predicting earthquakes using magnetometers
- Airport gun detector
- Finding archaeological sites and sunken galleons
- The earth's magnetic field and how it might have figured in the  
five greatest mass extinctions
- The role of magnetism as a possible cause of Alzheimer's

[If you're interested in delving into any or all of these seven topics, go to this link to download explanatory papers on the above.]

[Links to papers on applications of geomagnetism](#)

Little House

11:30 AM

Friday, September 9, 2011

