

**ESS 502: Homework #1; Vine and Mathews (1963); Due Tuesday, Jan 11, 2018**

The paper by Vine and Matthews (1963) (on the web page) is considered a watershed publication. All concepts discussed in the paper had been subjects of prior science discussion but these authors succeeded in putting the ideas together in a compelling way. Read the paper and write a succinct paragraph discussing each of the following three items:

1. their observations (data),
2. the theory and assumptions they invoke,
3. their ideas that link the observations to the theory.

Also write a concluding paragraph giving your perspectives on why this paper was so successful in influencing the science community.

Finally, come prepared to discuss these issues in class.