

Papers to replace field trips in petrology

These papers must be done in lieu of attending field trips. Note: no paper necessary if a field trip is canceled because of bad weather or other reasons. Papers must be typed and must adhere to the following guidelines:

1. Length: 5 pages, double spaced, minimum, excluding graphs, drawings, tables, captions, and references.
2. Page size: Standard 8.5 x 11 inch.
3. Margins: 1 inch all around.
4. Font size: 10 to 12 point.
5. Paragraphs: Indent first line; no blank lines between paragraphs except above and below section headings.
6. Figures: All must be cited in the text, numbered in order as Figure 1, Figure 2, etc.
7. Tables: All must be cited in the text, numbered in order as Table 1, Table 2, etc.
8. Photocopied figures are OK. Photocopied text, captions, and tables are forbidden. Write your own captions or type direct quotes into your paper. All must be properly cited, of course.
9. References: All work and interpretations not your own must be appropriately cited using the formats in the Geological Society of America Bulletin. The more references the better, but consider 5 as a minimum. Your textbook and any Petrology course materials don't count!
10. Binding: Stapled together in proper order at the top left corner. No covers or paper clips!
11. Grading: Grading will be based on scientific thoroughness and accuracy, writing quality, proper citation of references, and interesting insights.
12. Due date: The papers will be due on the second Monday after the field trip missed.

The purpose of the paper is to have you look carefully at a petrologic topic that is related to the missed field trip, and to have you write about the topic in such a way that fellow scientists could understand the topic and what you learned about it. The papers should be descriptive and generally have the following sequence: introduction to the topic, geologic setting, and a thorough description of the topic in terms of its petrology, origin, and development, and conclusions. Your writing should make frequent reference to supporting data or other evidence.

- To replace the Rt. 2 field trip: A paper on an aspect of the igneous or metamorphic geology of New England. Should focus on a particular igneous, metamorphic, geochemical, structural, or tectonic problem.
- To replace the Adirondacks field trip: A paper on an aspect of the igneous or metamorphic geology of the Adirondack Highlands, Lowlands, or the adjacent Proterozoic Canadian Shield. Should focus on a particular igneous, metamorphic, geochemical, structural, or tectonic problem.
- To replace the Mt. Monadnock field trip: A paper on an aspect of the igneous or metamorphic geology of any region of interest to you. Should focus on a particular igneous, metamorphic, geochemical, structural, or tectonic problem.

Use the search facilities available at the Schaffer Library, which include searching of reference databases (e.g., GEOREF).