Papers to replace field trips in petrology

These papers are in lieu of attending field trips. No paper necessary if a field trip is canceled because of bad weather or other reasons. Papers must be typed and should closely follow these guidelines:

- Length: 5 pages, double spaced, minimum, excluding graphs, drawings, tables, captions, and references.
- Page size: Standard 8.5 x 11 inch.
- Margins: 1 inch all around.
- Font size: 12 point.
- Paragraphs: Indent first line; no blank lines between paragraphs.
- Figures: All must be cited in the text, numbered in order as Figure 1, Figure 2, etc.
- Tables: All must be cited in the text, numbered in order as Table 1, Table 2, etc.
- Copied figures are OK. Copied text, captions, and tables are not. Write your own captions or type direct quotes into your paper, all properly cited, of course.
- References: All work and interpretations not your own must be cited using the formats of the Geological Society of America Bulletin. The more references the better, but consider 5 peer-reviewed papers as a minimum. Your textbook and Wikipedia don't count!
- Binding: Stapled together, no covers or paper clips.
- Grading: Based on scientific thoroughness and accuracy, writing quality, proper citation of references, and interesting insights.
- Due date: All papers are due on the day of the final exam, though you may hand them in earlier.

The purpose of the paper is to have you look carefully at a geologic topic that is related to the missed field trip, and to have you write about the topic in 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, geologic setting, a thorough description of the topic, and conclusions. Your writing should make frequent reference to supporting data or other evidence.

- To replace the Rt. 2 field trip: The igneous or metamorphic geology, tectonics, or radiometric dating of New England or the Canadian maritime provinces. Focus on a particular igneous, metamorphic, geochemical, structural, or tectonic problem.
- To replace the Adirondacks field trip: The igneous or metamorphic geology, tectonics, or radiometric dating of the Adirondack Highlands, Lowlands, or the adjacent Proterozoic Canadian Shield. Focus on a particular igneous, metamorphic, geochemical, structural, or tectonic problem.
- To replace the Mt. Monadnock field trip: 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 reference databases (e.g., GEOREF).