

“the first reliable account”

The Scientific Influence of
Lewis and Clark’s
Geological Discoveries in the
American West

A presentation by **John W. Jengo, PG**



White Cliffs, Montana
(Photo by John W. Jengo)

Lewis & Clark Trail Heritage Foundation
Philadelphia Chapter Meeting

Wednesday, March 30th, 2011

at the

Chemical Heritage Foundation

315 Chestnut Street

Philadelphia, PA 19106

Lunch at 12:15pm

Presentation at 12:45pm

Join us for this exciting presentation being given by John Jengo on the influence of the geologic discoveries of Lewis and Clark.

The Chemical Heritage Foundation has a wonderful, free exhibit that will intrigue any Lewis & Clark enthusiast. **Come early to explore!** <http://www.chemheritage.org/>

The Topic and the Speaker

John Jengo will discuss the complicated history and ultimate fate of Lewis and Clark’s mineralogical specimens, including when each shipment of specimens arrived in the East, who received and described them, whether descriptions were accurate, hypothesizing how the rocks and minerals fell into the hands of a private collector and then to the Academy of Natural Sciences in Philadelphia, and will review which specimens survive today. John will argue that the scientific content in Biddle’s 1814 edition of the journals, though scientifically underappreciated by historians, was, in fact, valued and utilized by pioneering 19th century explorers and geologists, thus positively influencing subsequent geological inquiry.

John W. Jengo, P.G., a licensed Professional Geologist in several states, works as a Principal Hydrogeologist in an environmental consulting firm, characterizing and remediating contaminated industrial sites. John is also leading efforts to remove dams to restore historically significant fish spawning grounds in New Jersey. He has authored many peer-reviewed geological articles for scientific journals about his work, and has written comprehensively on the various geological, mineralogical and scientific aspects of the Lewis and Clark expedition, including contributions to a book which was published by the American Philosophical Society in 2004 as well as several articles published in *We Proceeded On*, the renown Lewis and Clark Trail Heritage Foundation’s quarterly journal.



Twinned Selenite Crystal
(Photo by John W. Jengo)

Lunch, Directions & Parking

Boxes lunches are available, with unlimited soda, tea or coffee, for \$21.00 per person. The choices are:

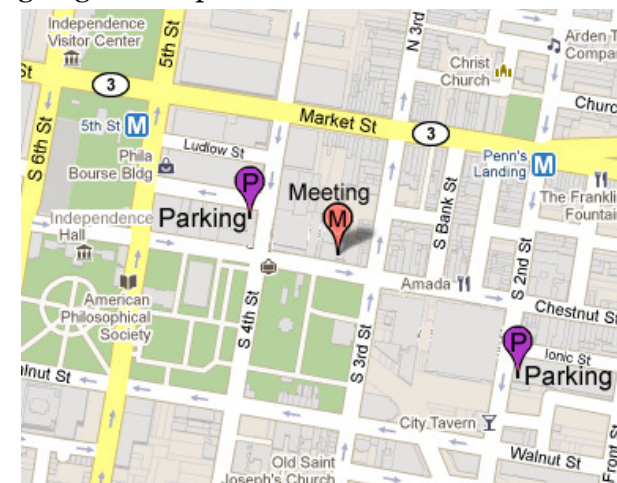
Rare Roast Beef – Horseradish aioli, havarti cheese, watercress on a baguette

Chicken Salad – Classic homemade chicken salad on a chef’s croissant

The Caprese – Tomatoes, fresh mozzarella, roasted peppers, pesto and balsamic on a tomato foccacia roll.

RSVP to Marion Rowen by March 27th, and indicate your choice for lunch. Marion can be reached at (215) 624 7454.

Parking garages close to the meeting are located at the Bourse Theater Parking Garage located on 4th Street, between Market and Chestnut Streets and at the Ritz East Theater on Second Street, south of Chestnut. Other garages and open lots are in the area.



The SETPA #21 and #42 buses run past the Chemical Heritage Foundation. The subway stops at 5th and Market Streets. Please check with SEPTA to plan the most convenient route for you. (215) 580-7800 or www.septa.org