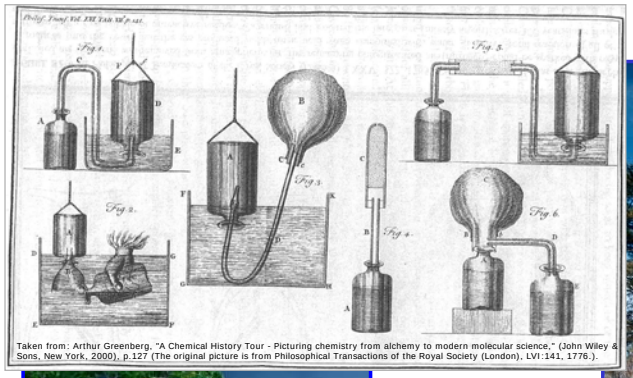
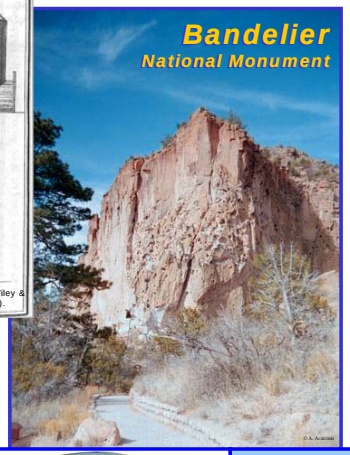
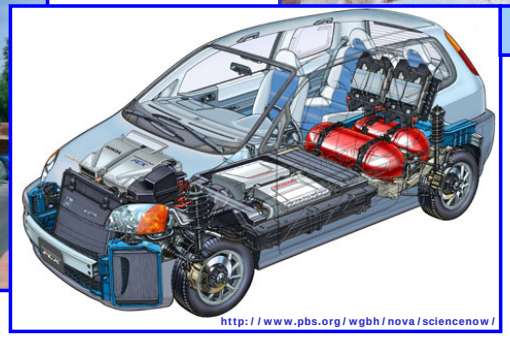

Taken from: Arthur Greenberg, "A Chemical History Tour - Picturing chemistry from alchemy to modern molecular science," (John Wiley & Sons, New York, 2000), p.127 (The original picture is from Philosophical Transactions of the Royal Society (London), LVI:141, 1776.).




http://www.pbs.org/wgbh/nova/sciencenow/

LANSCE Neutron Scattering School

HYDROGEN IN MATERIALS

July 12-20, 2007

Los Alamos National Laboratory
Los Alamos, New Mexico USA

Application deadline: March 26, 2007 Apply on-line at *http://www.lanl.gov/ns2007*

The school is intended for graduate students and postdocs in the natural sciences with an interest in applying neutron scattering to the study of hydrogen in materials. Lectures will cover an introduction to neutron scattering techniques as well as recent developments in hydrogen research. The lectures will be complemented by hands-on experiments using relevant instrumentation of the Lujan Center.

- Basic concepts of neutron scattering
- Physical and chemical hydrogen storage
- Structure and dynamics
- Data reduction and analysis
- Hydrides, porous materials, clathrates, proton conductors,...

Financial assistance is available for participants. For more information contact one of the local organizers.

Confirmed Lecturers

- T. Autrey (PNNL)
- J. Browning (Sandia)
- B. Chmelka (UCSB)
- J. Eckert (UCSB/LANL)
- U. Häussermann (ASU)
- S. Haile (Caltech)
- B. Heuser (UIUC)
- C. Jensen (U. Hawaii)
- G. Kearley (ANSTO)
- J. Larese (U.Tenn/ORNL)
- J. Long (UC Berkeley)
- W. Mao (Stanford)
- J. Phillips (LANL)
- T. Proffen (LANL)
- G. Reiter (U.Houston)
- R. Schwarz (LANL)
- G. Smith (ORNL)
- A. Stowe (SRNL)
- P. Zelenay (LANL)

Local organizers L. Daemen at 1-505-667-9695, *lld@lanl.gov* -- **local chair**
J. Rhyne, *rhyne@lanl.gov* -- **school director**
H. Nakotte, *hnakotte@nmsu.edu*
J. Eckert, *juergen@lanl.gov*
T. Baker, *bakertom@lanl.gov*

General Information/registration wnschool@*lanl.gov*