



The Natural Philosopher & the Aerostatic Sphere

A living history presentation on the
Science of Early Ballooning
by Educator Dean Howarth & Friends

Dr. John Jeffries, Boston born man of science and pioneer in Early Ballooning, will conduct lectures in the science of Pneumatics and recount enthralling tales of the first manned voyages into the skies in the late 18th century. With a collection of replica instruments such as vacuum pumps and barometers, Dr. Jeffries can explain the principles behind the airships built by the Brothers Montgolfier and their fellow aeronauts. Advances in chemistry, physics, and meteorology that resulted from the daring flights are conveyed along with the surprising and frightening history of flight.



Science teacher, Dean Howarth portrays Jeffries and can be joined by his associates Tom Pitz and Barry Stevens who portray Thomas Jefferson and Benjamin Franklin, respectively. Jefferson and Franklin, both lovers of science, actually witnessed early balloon flights in Paris and can add further historical narrative. Presentations may include period laboratory demonstrations, miniature hot air balloon flights, and a model of a 5ft Charlière Gas Balloon.

The history of science provides a wonderful avenue to incorporate lessons in Science Technology Engineering & Math (STEM) for audiences of all ages. Shows can be done at historic sites, outdoor festivals, camps, or schools.

For Inquiries & Bookings:

Visit www.livinghistoriesofscience.com or email d.e.howarth@hotmail.com

