



You can watch the Leonids meteor shower every November. You can also watch the Perseids meteor shower in warmer August weather.

I HELD PIECES OF OUR SOLAR SYSTEM: ASTRONOMY THAT FALLS FROM THE SKY

Your name here

This certifies that the *Space Rocks* workshop participant named above examined these eighteen meteoritic specimens recovered from all seven continents on Earth: •Allende, Mexico, a stone meteorite containing interstellar grains (stardust) from the explosion of another star before our Sun and solar system formed; •Zagami, Nigeria, stone knocked off the planet Mars by meteoritic impact; •Dar Al Gani 262, Libya, stone knocked out of our Moon's highlands; •NWA 032, Morocco, stone knocked from our Moon's mare; •NWA 482, Algeria, stone knocked off our Moon's far side; •Abee, Canada, stone which formed under conditions like those within the orbit of Mercury, or that could be from that planet's surface; •Murchison, Australia, stone fragment of a comet nucleus that contains amino acids not found on Earth; •Peekskill, New York, stone that crashed through the trunk of a teenaged-girl's parked car; •Millbillillie Sheep Station, Australia, stone knocked off the asteroid Vesta (NASA's 2007 *Dawn* spacecraft mission orbited Vesta out in the Asteroid Belt); •Thiel Mountains, Antarctica, stony-iron found on glacier ice; •Imilac, Chile, stony-iron found in the high desert; •Canyon Diablo, Arizona, iron meteorite that formed *Meteor Crater*, plus bedrock strata pulverized by that impact; •Siberia, Russia, a metal raindrop, and piece of bark from a tree knocked down during the Tunguska Event; •Czechoslovakia, moldavite (tektite impact material); •Iridium sediment, dug up in Italy, from an asteroid impact during the extinction of Earth's dinosaurs; •Chondrules (the earliest solid matter to accrete from the Sun's solar nebula of gas and dust), pried out of the Bjurbole, Finland, stone meteorite.

Barrington Public Library Teen Room

Presented by Lt. Col. Len West-Hardisty, Ph.D., May 29, 2014

CIVIL AIR PATROL AEROSPACE EDUCATION
NASA LUNAR/METEORITE CERTIFICATION

42 more meteoritic specimens from this *Space Rocks* study collection are at Brown University in the NASA Northeast Regional Planetary Data Center, as well as manmade alloy from a flown Soviet Soyuz cosmonaut spacecraft, a fragment of the first United States space station *Skylab*, tomato seeds exposed to nearly six years of radiation in space on board NASA's *LDEF* satellite, and microscopic polystyrene spheres manufactured by America's astronauts while orbiting Earth in Space Shuttle *Challenger*.

SpaceRocksWithDrLen.com