

Steven Soter CV 2013

TELEVISION AND FILM DOCUMENTARIES:

Cosmos (1980), a 13-hour television series on astronomy, produced by KCET/Los Angeles. Written by Carl Sagan, Ann Druyan and Steven Soter. Head of Research.

Confessions of a Weaponeer (1987), NOVA television documentary on George Kistiakowsky, Presidential Science Advisor; produced by WGBH/Boston. Written by Carl Sagan, Ann Druyan and Steven Soter.

Blue Planet (1990), an IMAX film on the global environment seen from orbit, produced by the National Air and Space Museum, IMAX Systems Corporation, and Lockheed. Scriptwriter and science advisor.

Spacefaring (1992), a film about truth and fantasy in science fiction films, produced for the National Air and Space Museum's gallery *Where Next, Columbus?* Writer.

Destiny in Space (1994), an IMAX film on the future of space exploration, produced by the National Air and Space Museum, IMAX Systems Corporation, and Lockheed. Scriptwriter and science advisor.

Cosmic Voyage (1996), an IMAX film on the scale and evolution of the universe, produced by the National Air and Space Museum, the Motorola Foundation, and the National Science Foundation. Content development. Scriptwriter and science advisor.

PLANETARIUM SHOWS:

Passport to the Universe (2000), inaugural show for the new Hayden Planetarium, American Museum of Natural History. Concept and script by Ann Druyan and Steven Soter, narration by Tom Hanks.

The Search for Life: Are We Alone? (2002), Hayden Planetarium show. Concept and script by Ann Druyan and Steven Soter, narration by Harrison Ford.

MUSEUM EXHIBITIONS:

A Piece of Mars? (1989), an exhibit of a Martian meteorite, in the gallery *Exploring the Planets* of the National Air and Space Museum. Curator.

Where Next, Columbus? (1992), a gallery about the next 500 years of exploration, for the Columbus Quincentenary exhibition at the National Air and Space Museum. Content development and advisor to the curator, Dr. Valerie Neal.

Rover Expo (1992), a two-day demonstration of 16 engineering prototype vehicles for remote planetary surface exploration, conducted on an accurately simulated Martian landscape on the Mall in Washington. Sponsored by the National Air and Space Museum, NASA and the Planetary Society. Project manager.

How Things Fly (1996), a permanent gallery at the National Air and Space Museum, on the principles of aeronautics and spaceflight. Science curator.

Hall of the Universe (2000), a permanent exhibition on modern astrophysics, at the Rose Center for Earth and Space, American Museum of Natural History. Co-writer.

Visions of the Cosmos (2009), an exhibition on astronomy and cosmology featuring rare books and manuscripts, at the Rubin Museum of Art, New York. Curator of the Western Medieval and Renaissance section.

EDITED VOLUMES:

Steven Soter & Neil deGrasse Tyson, editors (2000). *Cosmic Horizons: Astronomy at the Cutting Edge*, a collection of 24 invited essays by contemporary astrophysicists describing their research. New York: The New Press.

Carl Sagan (2006). *The Varieties of Scientific Experience: Science and the Search for God*. The 1985 Gifford Lectures, edited by Ann Druyan, illustrations editor and scientific consultant Steven Soter. Penguin Press.

POPULAR ARTICLES, LETTERS AND REVIEWS:

Steven Soter (1972). Review of *Habitable Planets for Man*, Second Edition, by Stephen H. Dole. *Icarus* 17, 226-228.

Steven Soter (1983). Review of *Lightning, Auroras, Nocturnal Lights, and Related Luminous Phenomena*, by William H. Corliss. *Icarus* 56, 615.

Thomas Gold & Steven Soter (1985). Fuel requirements. *Aviation Week & Space Technology* 123(18), 96.

Steven Soter (1985). Intelligence and catastrophe: the cosmic quarantine hypothesis. *Planetary Report* 5(1), 20-21.

Steven Soter (1987). SDI survey. *Science* 235, 831.

Steven Soter (1997). Interview with the four billion year old Mars rock. American Museum of Natural History, online at < <http://www.amnh.org/rose/mars/od3.html>>.

Steven Soter (1998). Galileo's Saturn. *Natural History* July-Aug, p. 4.

Steven Soter (2002). Sifting truth from Pelée's ashes. *Natural History* 111(8), 76-78.

Steven Soter (2004). The wrong stuff. *Natural History* 113(5), 14+67.

Steven Soter (2005). SETI and the cosmic quarantine hypothesis. *Astrobiology Magazine* (17 Oct), online at <www.astrobio.net/news/modules.php?op=modload&name=News&file=article&sid=1745>.

Steven Soter (2006). Teaching what a planet is: The scientific issues, 4. *Astronomy Education Review* 5(2), online at < <http://aer.noao.edu/cgi-bin/article.pl?id=207>>.

Steven Soter (2007). What is a planet? *Scientific American* 296(1), 34-41 (January).

Steven Soter (2007). Are planetary systems filled to capacity? *American Scientist* 95, 414-421 (September/October). Also published (2008) in German, French and Spanish language editions of *Scientific American*.