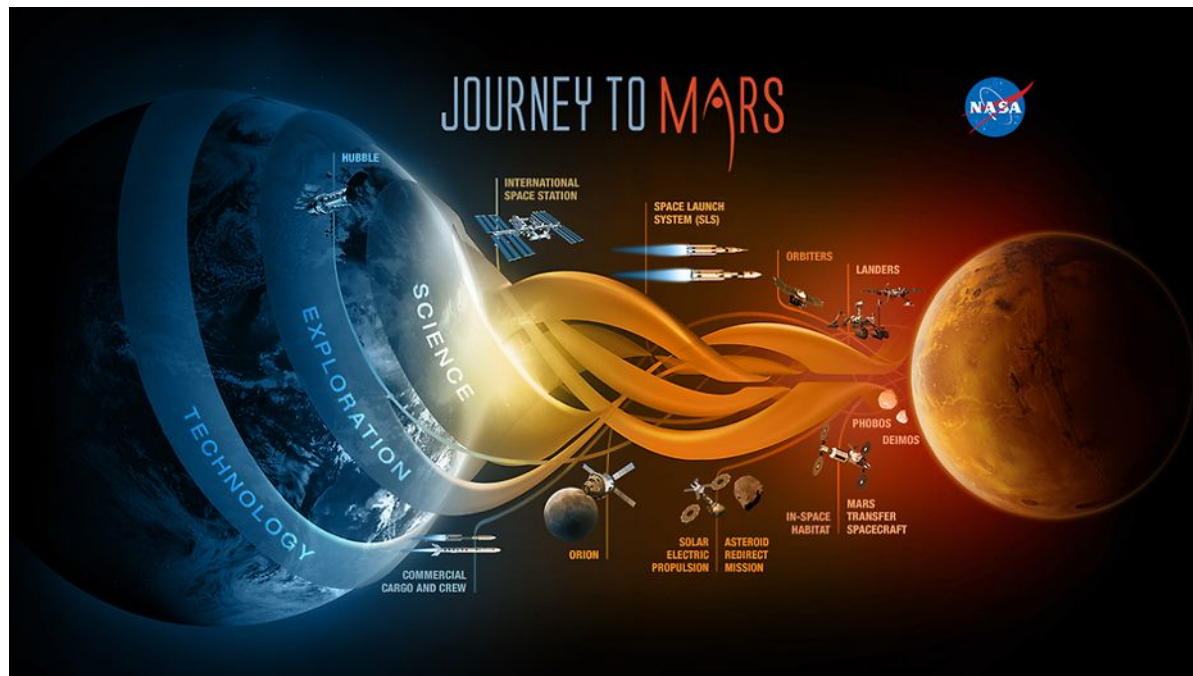


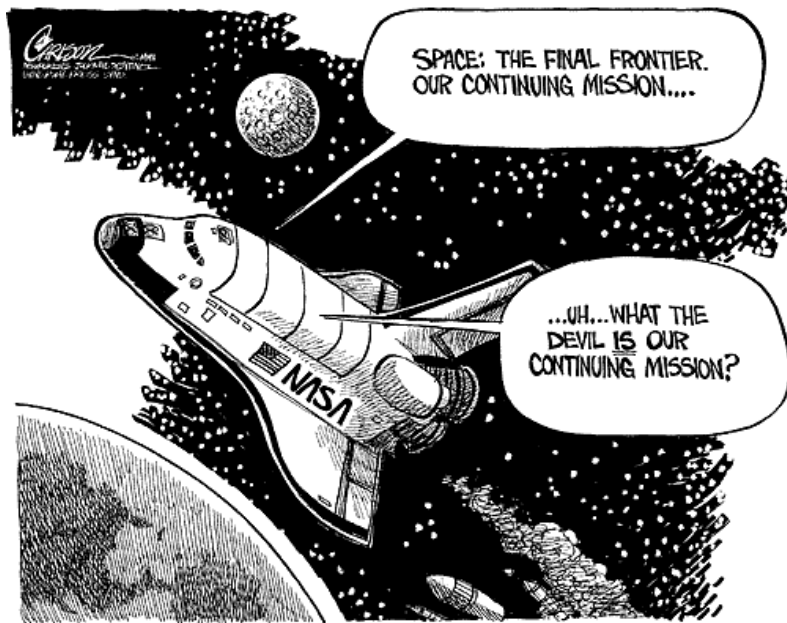
Promoting American Spaceflight- The Analogy of the U.S. Antarctic Program

James Spiller, PhD

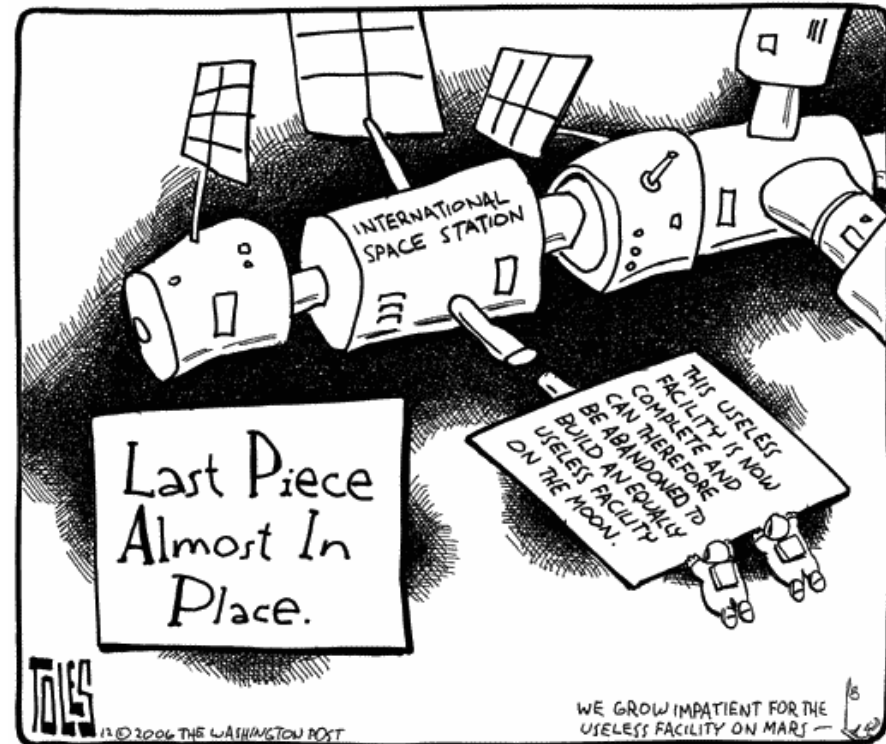
FISO Telecon, March 11, 2015

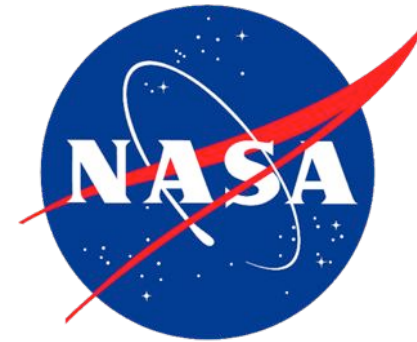
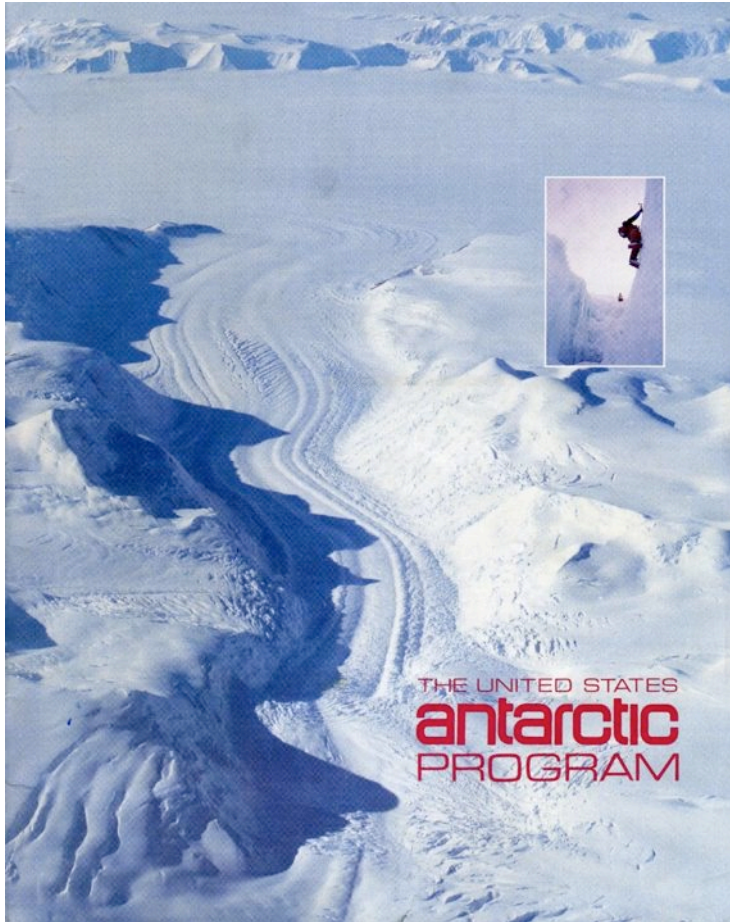
jspiller@Brockport.edu





Evergreen_02



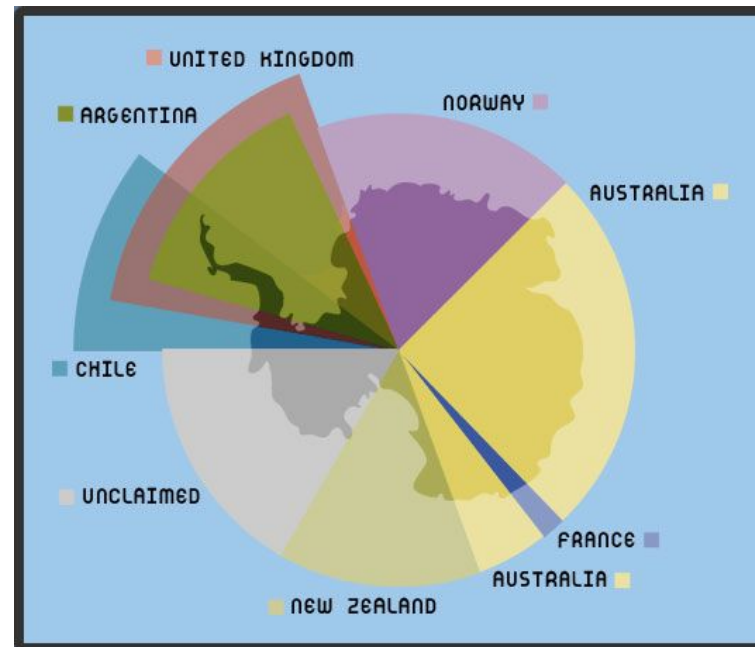




President Eisenhower- The International Geophysical Year (IGY) of 1957-58 is “one of the greatest scientific adventures of our time [and a] demonstration of the ability of peoples of all nations to work together harmoniously for the common good.”

Antarctic Territorial Claims

- Great Britain (1908)
- New Zealand (1923)
- France (1924)
- Australia (1933)
- Norway (1939)
- Chile (1940)
- Argentina (1942)



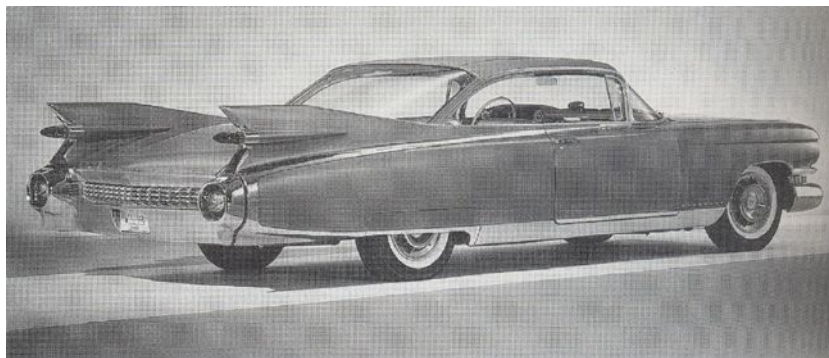
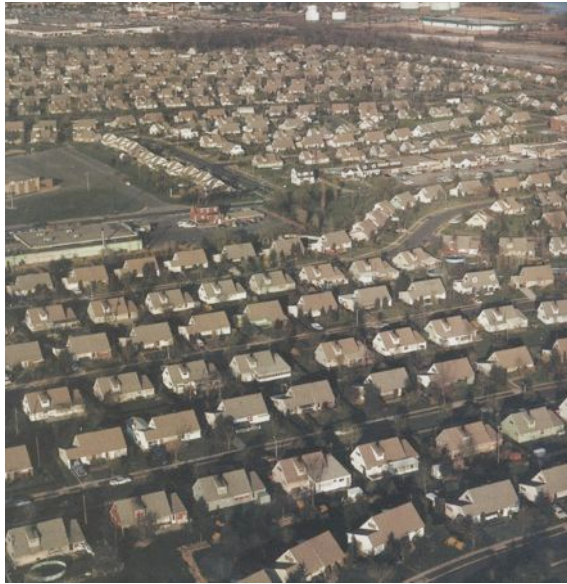


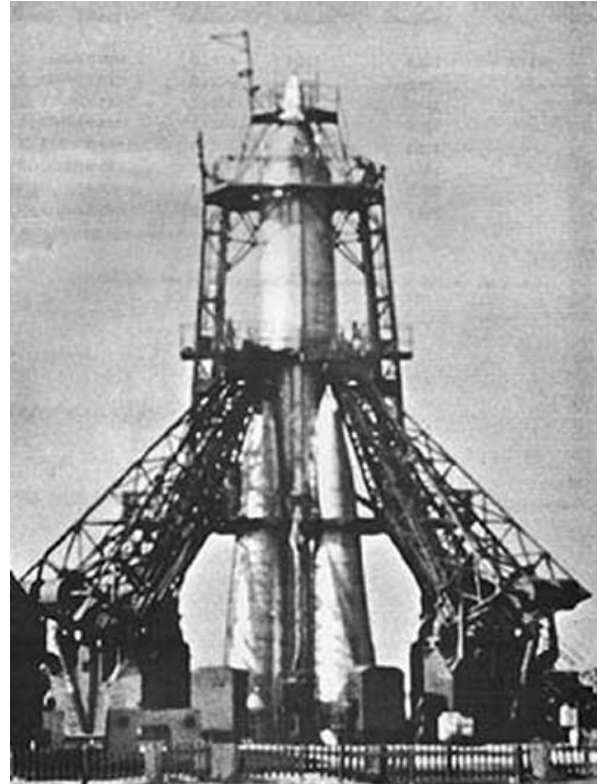
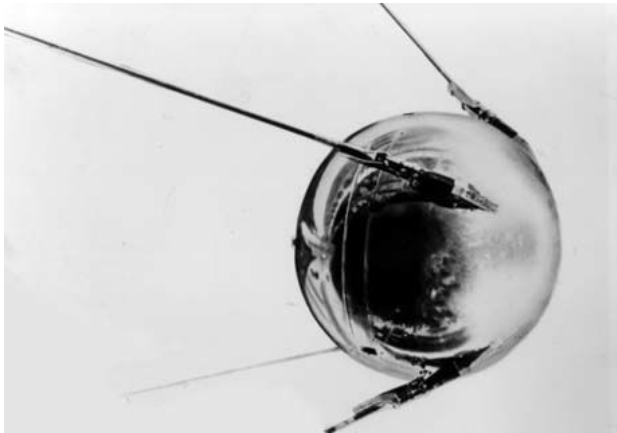
Vannevar Bush (1949)

- a totalitarian state cannot compete with a free people in the advancement of science, for the dictation and dogma are contrary to the spirit of free inquiry, which is the heart's blood of scientific advance.





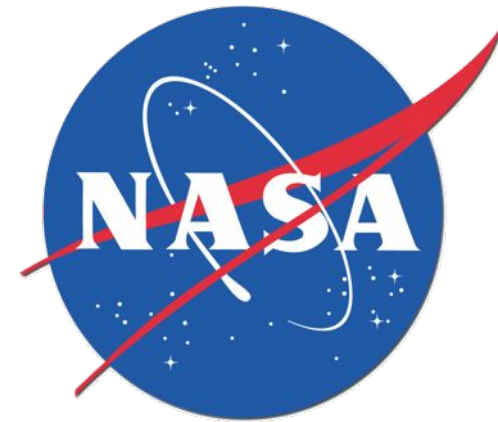
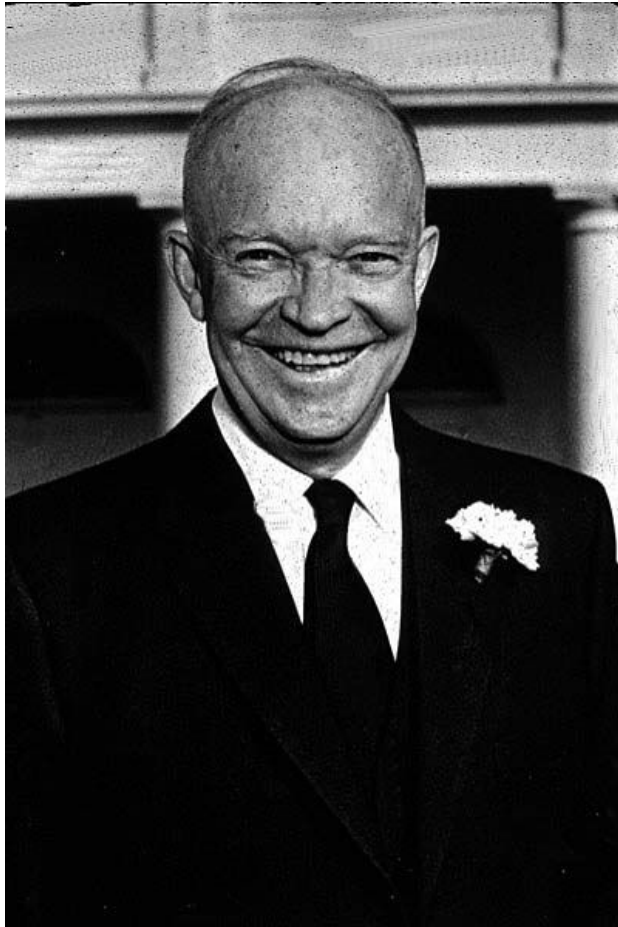




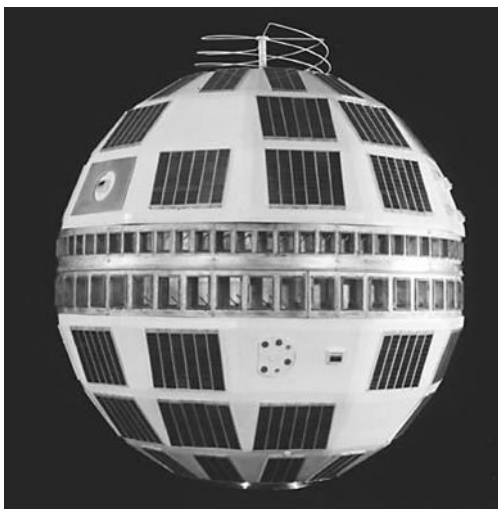
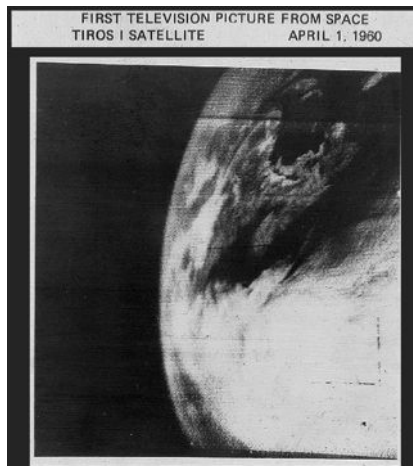
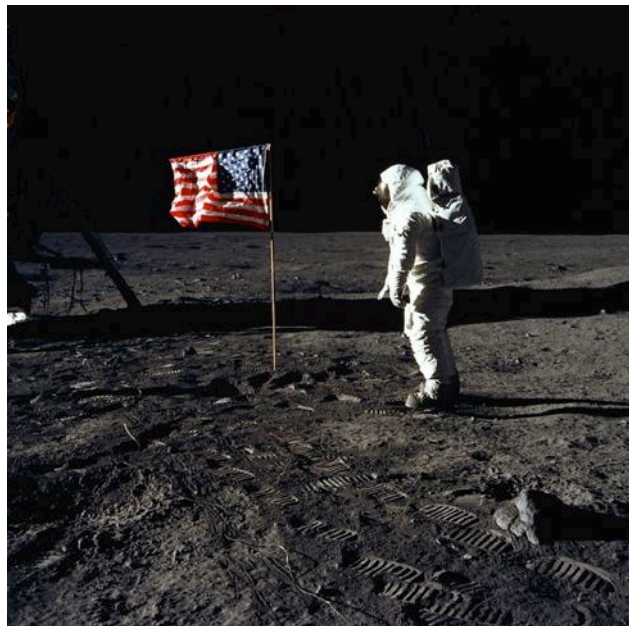


Lloyd Berkner

- This is the meaning of Sputnik. In our day, when few physical frontiers remain, peoples visualize space and Antarctica as challenges that must be accepted by a great power to demonstrate its mettle.

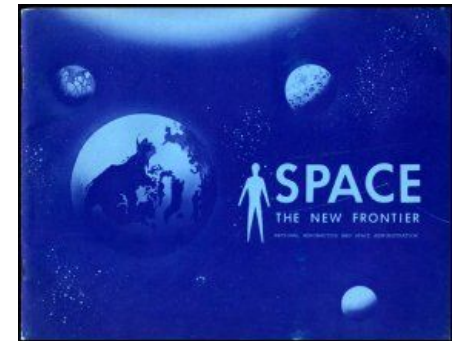
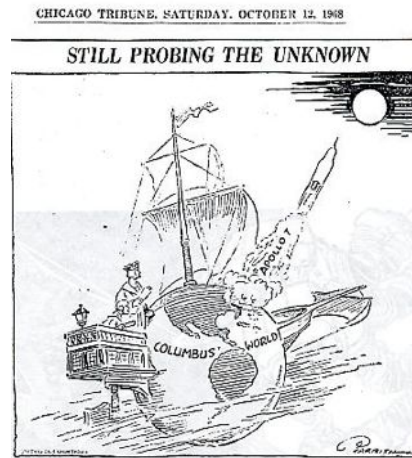
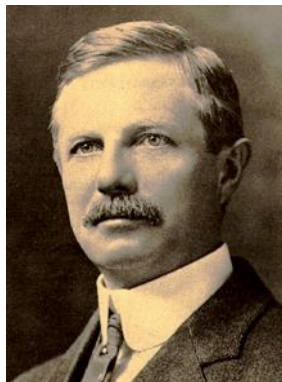


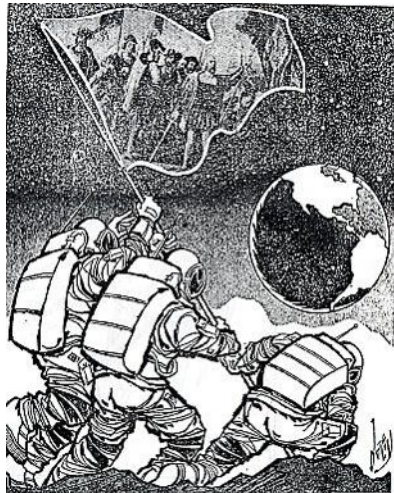




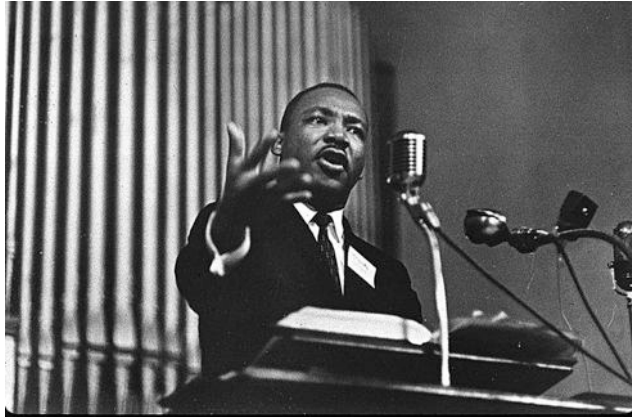
Futurama II at the 1964 New York World's Fair



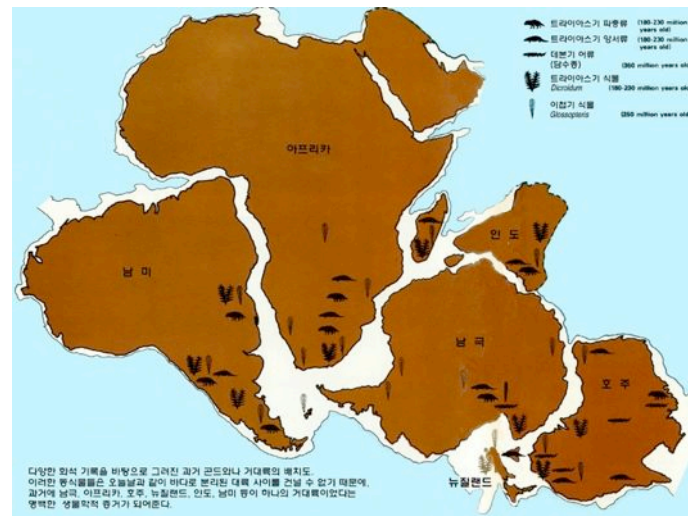
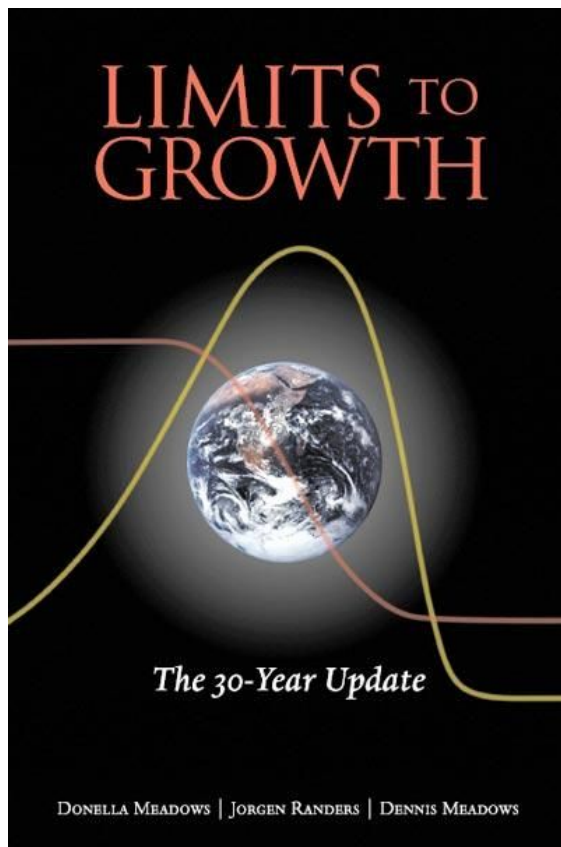








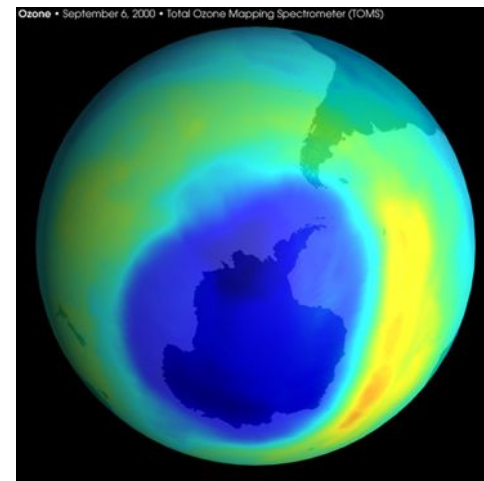
© Wally McNamee - UT Center for American History

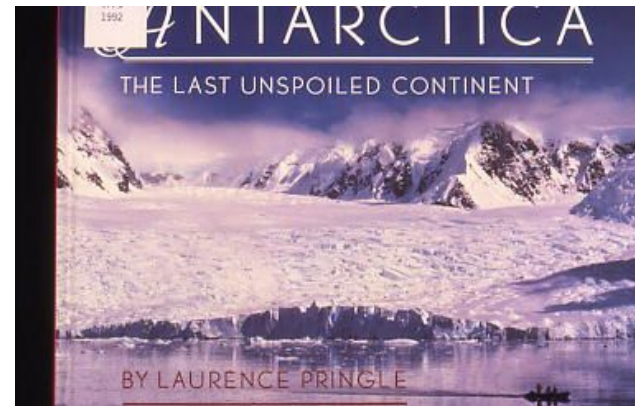
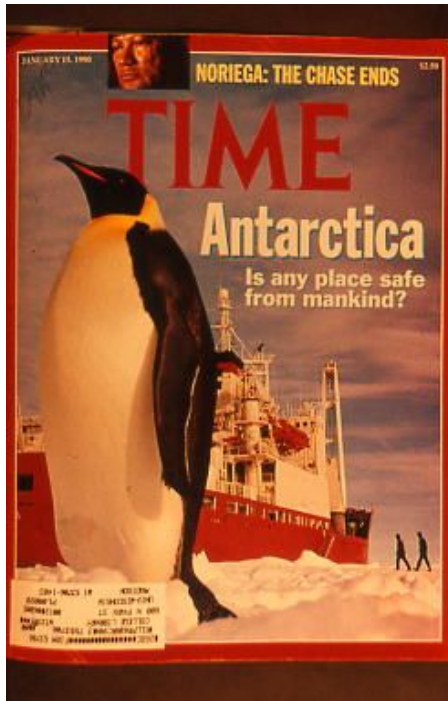


1979 Convention for the
Conservation of Antarctic Marine
Living Resources (CCAMLR)

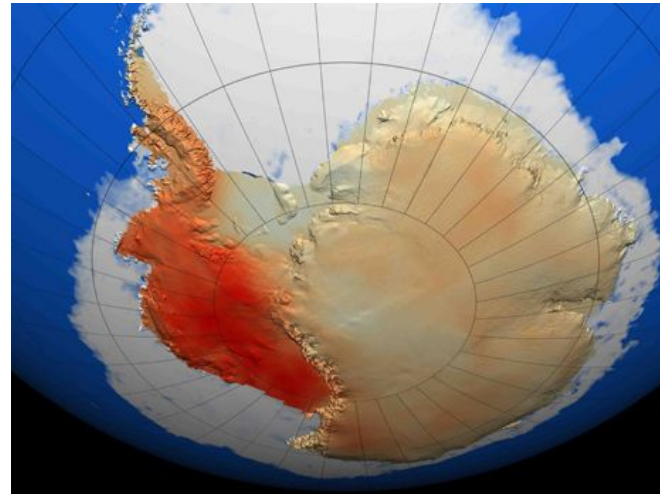
1988 Convention on the
Regulation of Antarctic Mineral
Resource Activities (CRAMRA)

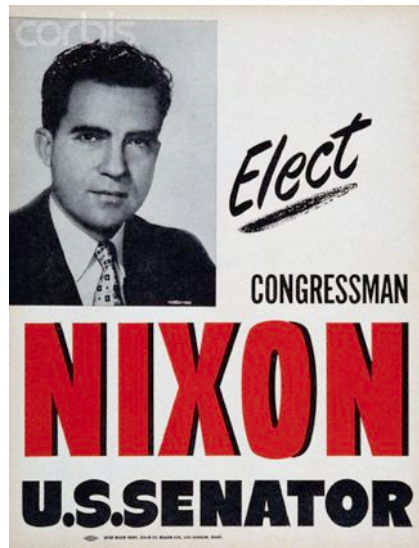
Critique of Antarctic Treaty
System- call for Antarctic mineral
riches = “Common Heritage of
Mankind”

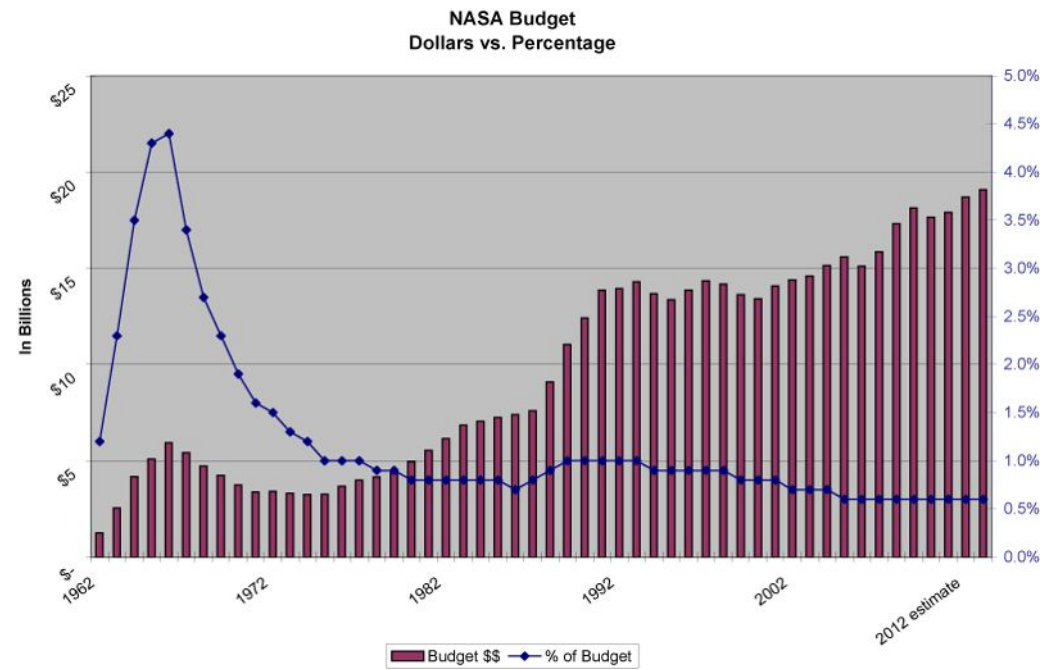




1991 Protocol on Environmental Protection to the Antarctic Treaty (entered into force 1998)





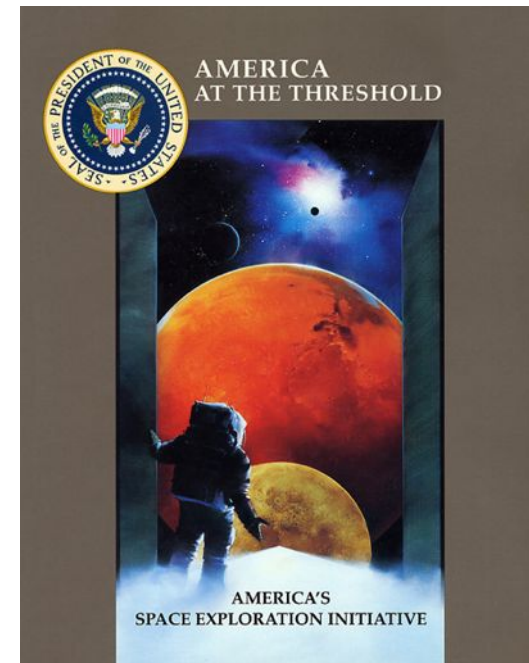
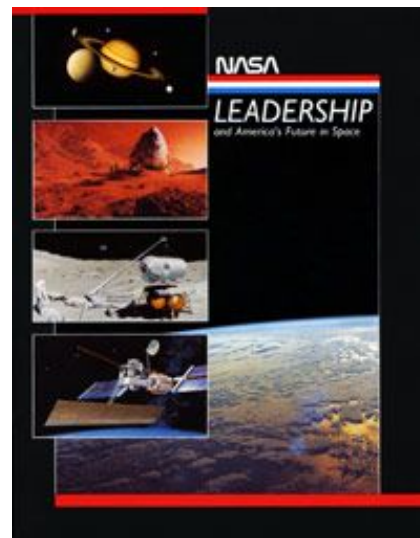
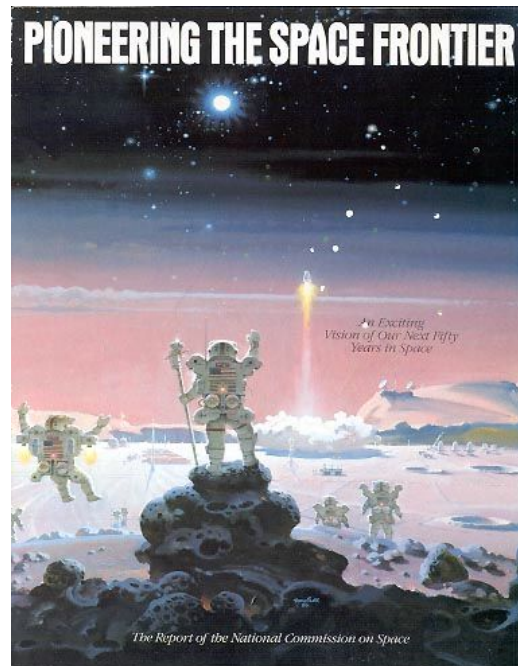
















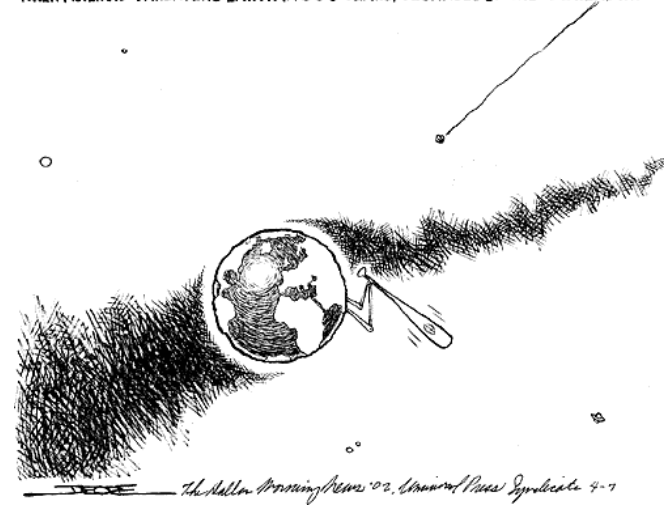
PRINCIPALES DE HOY / VISIONES DE MAÑANA
Reflejos del Pasado / Visión del Futuro

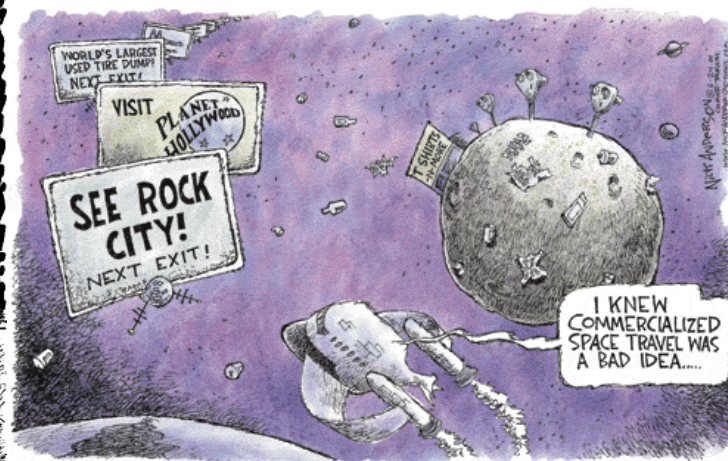
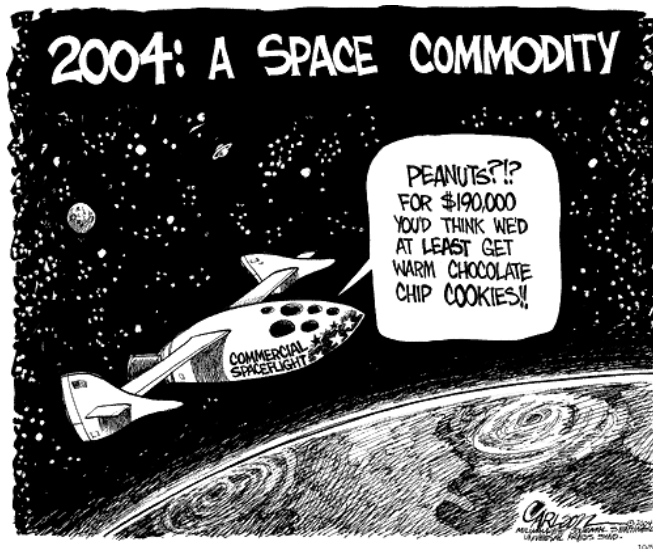
PROGRAMA MAESTRO
Astronautas Hispánicos





WHEN ASTEROID THREATENS EARTH IN 800 YEARS, TECHNOLOGY WILL BE READY...





USA TODAY **LOSS OF THE SPACE SHUTTLE COLUMBIA** CLOSE
SEND TO A FRIEND
CREDITS

SHUTTLE BREAKUP 1988 - 2002 SHUTTLE TROUBLE **SEVEN MEMBERS THE CREW** KEY FACTORS? FOAM, TILES PHOTO GALLERIES

Select a crew member photo for larger image and profile

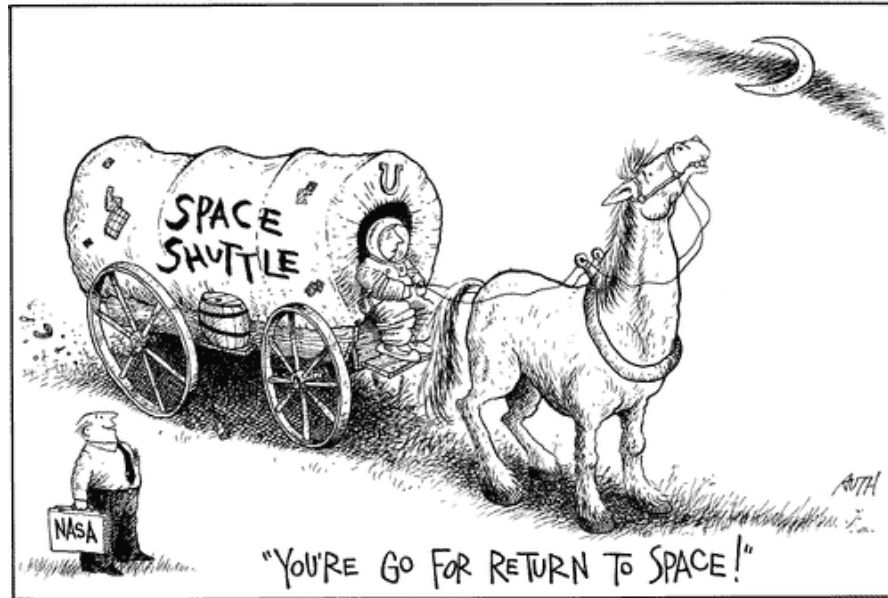
							
Kalpana Chawla Mission specialist	Michael Anderson Payload Cmdr.	William "Willie" McCool Pilot	Rick Husband Cmdr.	Laurel Clark Mission specialist	David Brown Mission specialist	Ilan Ramon Payload specialist	Crew portrait

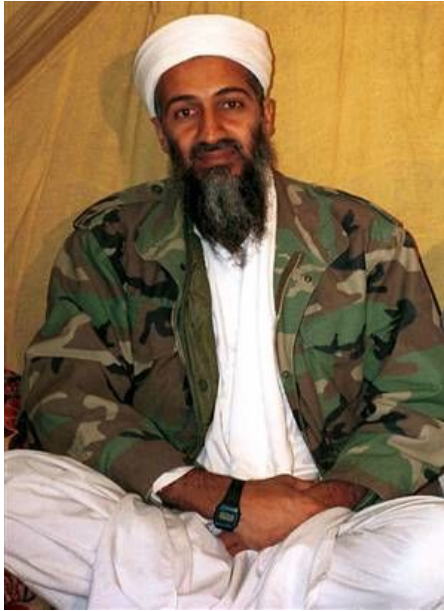


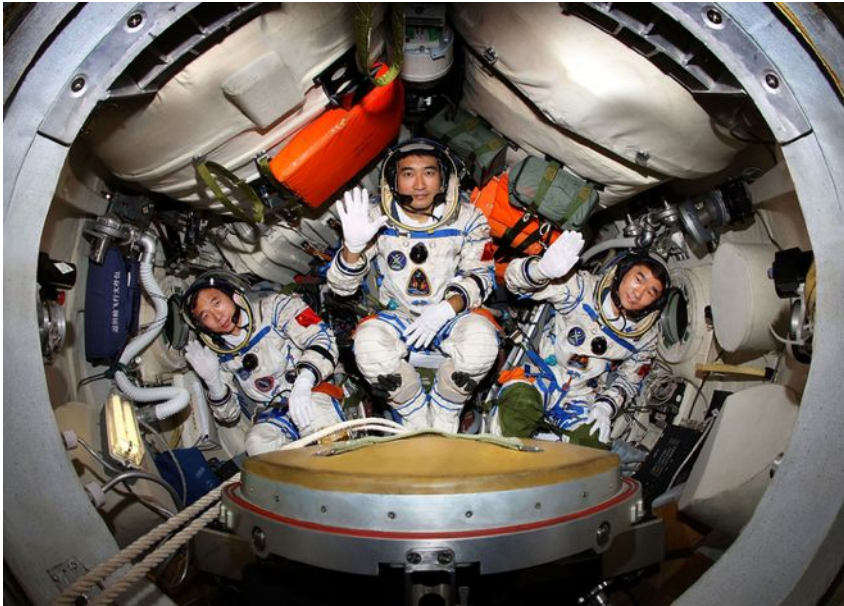

White House photo by Paul Morse

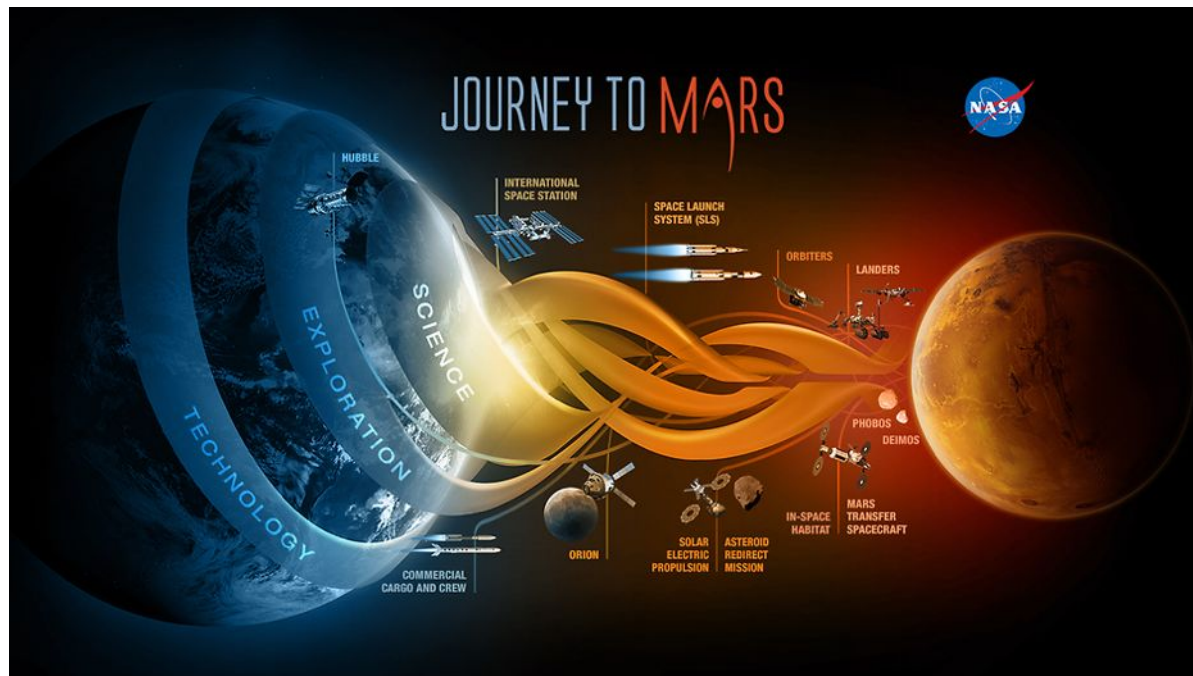


9-10-85 THE PHOENIX HUNTER. UNIVERSAL PICTURES. UNIVERSAL PICTURES.

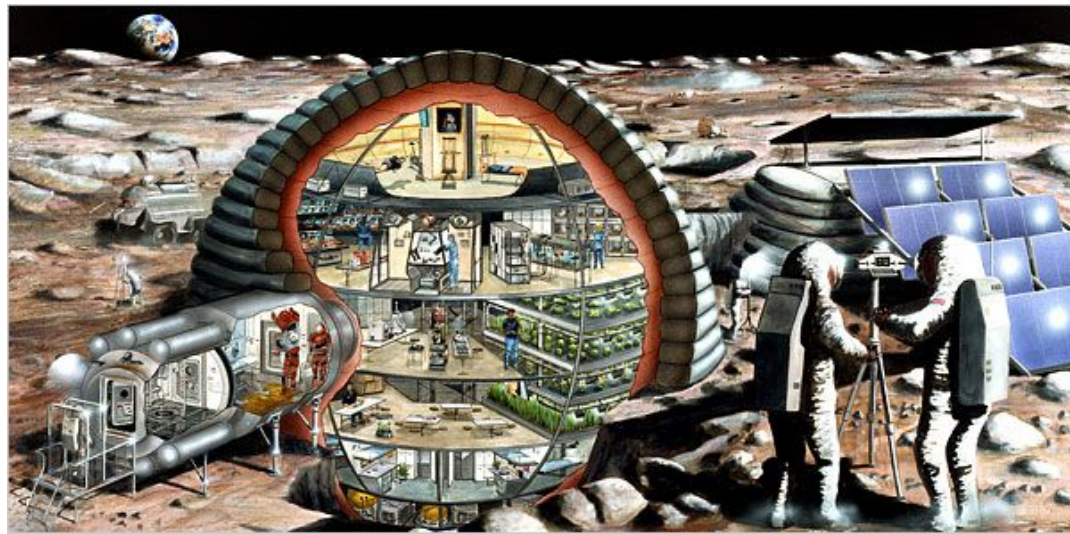








“Alliance to Rescue Civilization,” 2006





1/16



Chapman
 MANNED FLIGHTS
 MANNED FLIGHTS
 MANNED FLIGHTS

