

ASTR 4800: Space Science - Practice & Policy

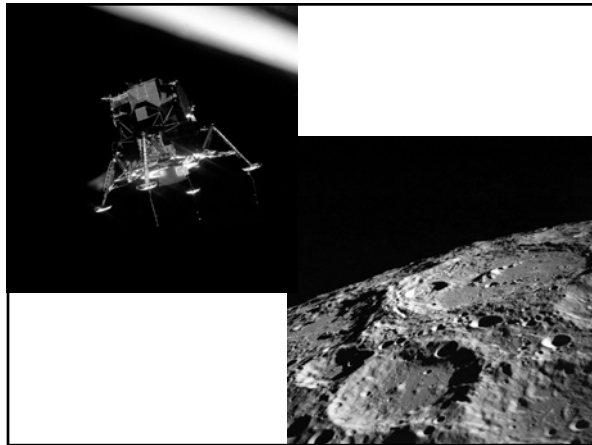
- Today's Topic: The Apollo Program
- Homework: McDougall, Part VI, Chapters 21 – 22.
- Exam 1 next class.

Apollo 11 – First Manned Landing

Launch: July 16, 1969

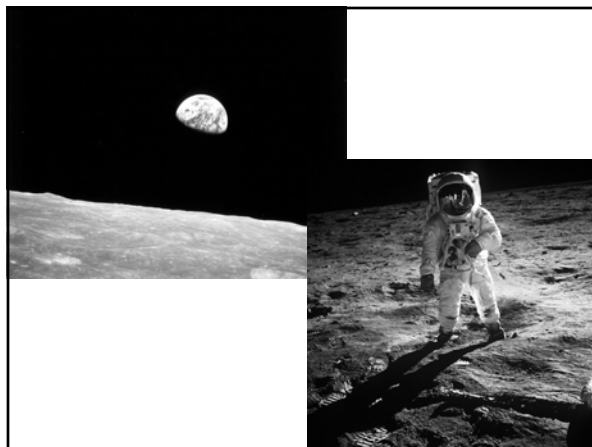


Armstrong, Collins, Aldrin



The Meaning of Apollo

- Demonstrated technology & economic virtuosity of U.S. and established technological preeminence in the world. Total cost = \$150 billion in FY07 dollars.
- Apollo accomplished political goals for which it had been created.
- Triumph of Webb's management strategy in difficult engineering, technological, and organizational requirements (systems engineering).

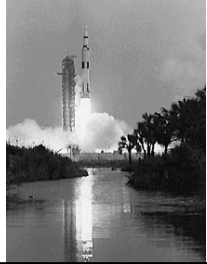


The Meaning of Apollo

- Apollo forced people of the world to view Earth in a new way (e.g., 1st pictures of Earth from afar). Gave birth to modern environmental movement. Archibald MacLeish said *"To see the Earth as it truly is, small and blue and beautiful in that eternal silence where it floats, is to see ourselves as riders on the Earth together"*.
- But, Apollo left a divided legacy for NASA & aerospace industry. Created an unrealistic expectation that NASA had broad support, abundant resources, and license to dispense them. However, Apollo was NOT conducted under normal political circumstances and these circumstances would NOT be repeated.

Apollo 13

- Launched on April 11, 1970. 56 hrs into flight, oxygen tank ruptured.
- World attention focused on NASA and on crew of Apollo 13.



Apollo Landing Sites

