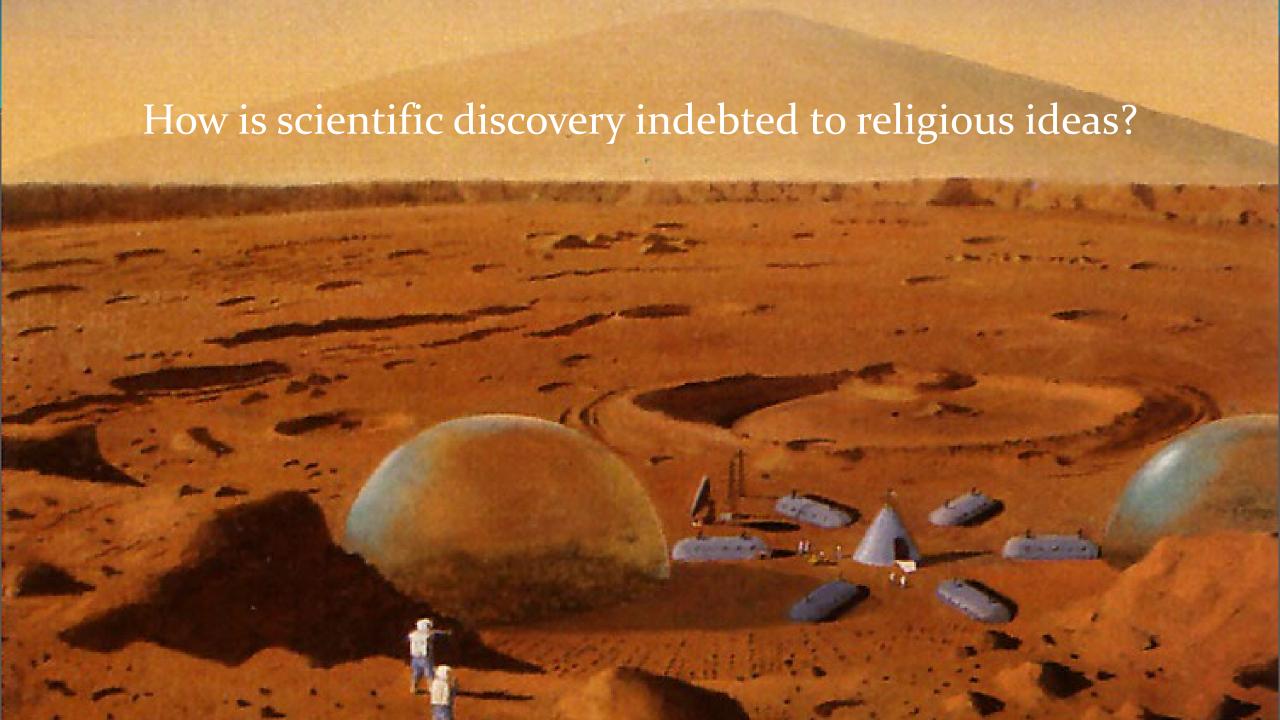
Destined for the Stars: Faith, the Future, and the Final American Frontier

Catherine L. Newell

University of Miami, Department of Religious Studies

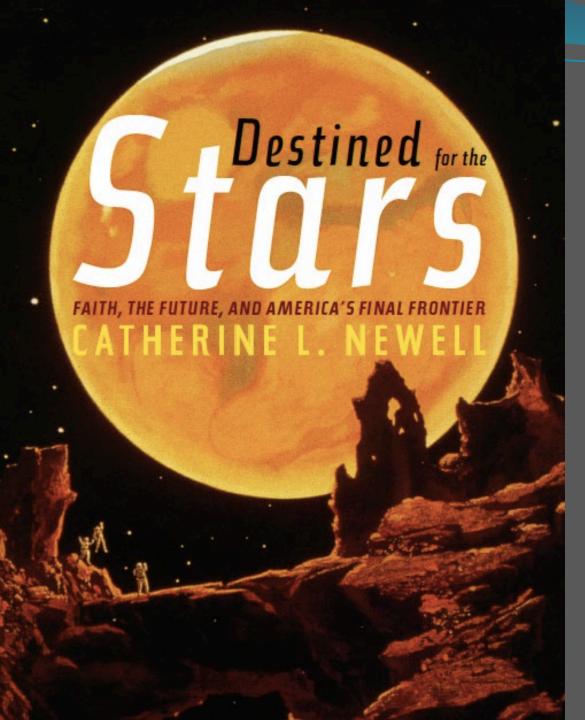












Is faith in our destiny to explore the solar system evidence of *integration*?

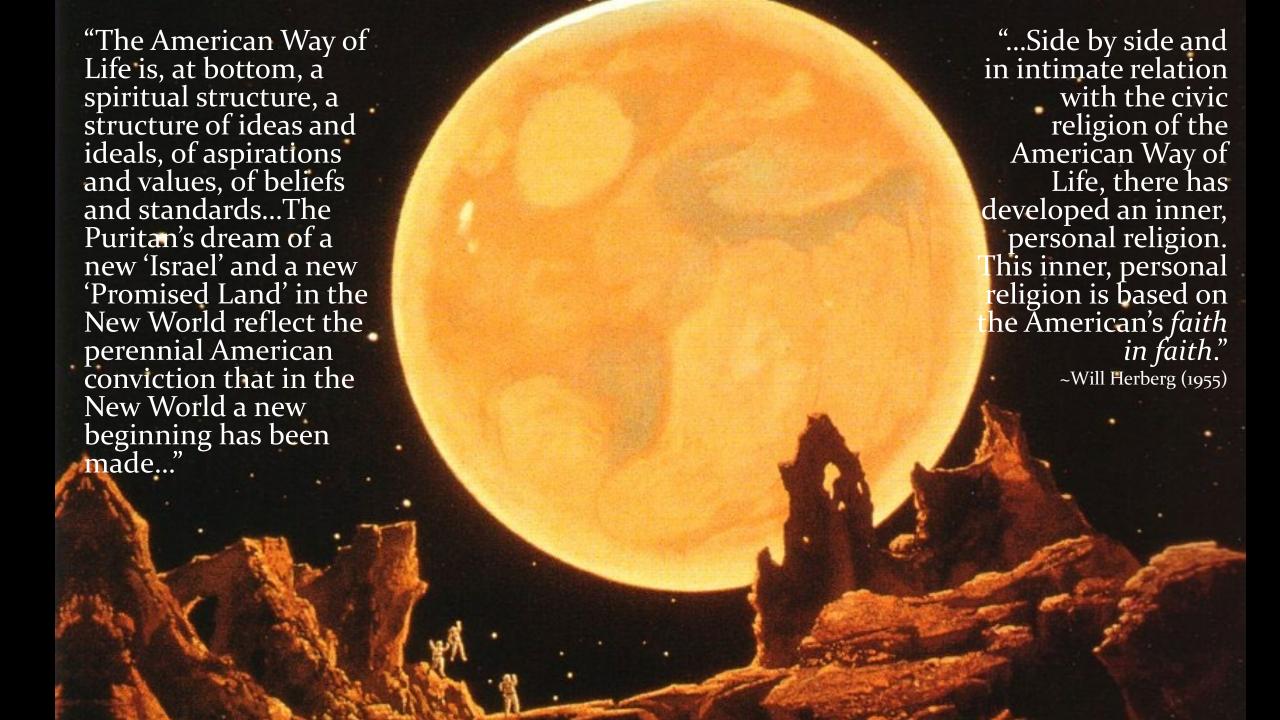
And does the endeavor to explore space make our solar system a *spiritual* resource?



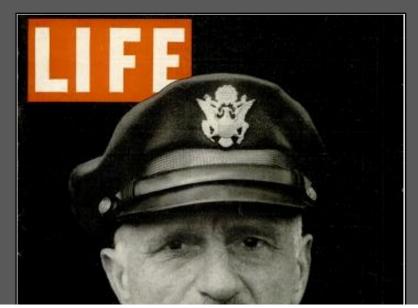
"Cultural fashions are extremely significant for the historian of religions, who can decipher in them some hidden meanings. The popularity of cultural fashions reveals something of Western man's dissatisfactions, drives, and nostalgias."

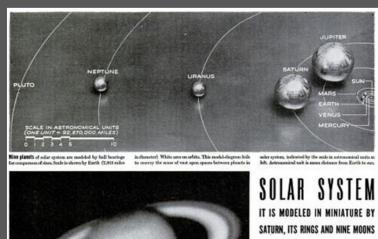
~ Mircea Eliade, "Cultural Fashions and History of Religions" (1965)

"There are instances when only an historian of religions can discover some secret significance of a cultural creation....The success of certain ideas or ideologies reveals to us the spiritual and existential situation of all those for whom these ideas constitute a kind of soteriology."



Life Magazine, May 29, 1944





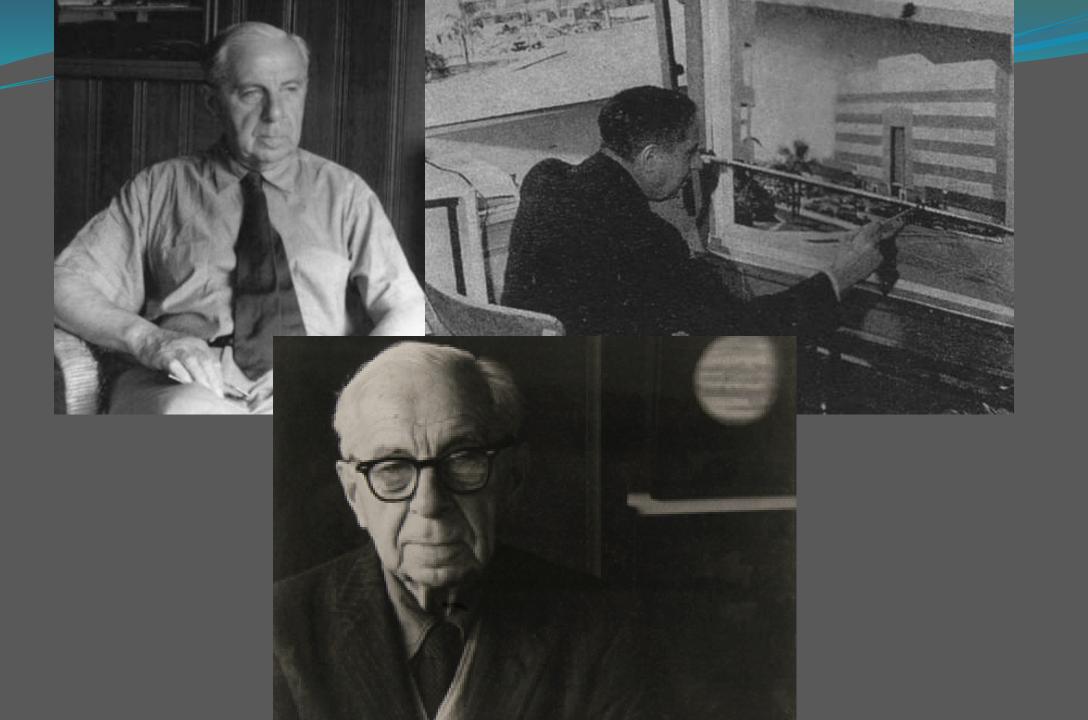
The pictures in color on the next two pages take year on civil to the planet fixture. Starting at Pisocke, Sature's furious and most distant assess (top, loff, exposite page), the pictures show the changing aspect of flutness and its satellite family as it would appear to a travelve largeing toward the phanet from most to anxwelve largeing toward the phanet from most to must be accordingly according to the contract of the color of the color to most the measurable fazery in the militared by an anover than reasonable fazery in the

grounds. Photomontage paintings, they were made by Chesley Bonestell, Hollywood miniature-set designer and amateur astronomer.





overwhelming oridence that Mars harbors life. The plants, strang out in the shoulder cold of space, are composed largely of superchiled gase curvinging compactively small rocky cores and attention by satellites much like Earth's moon. On pages 80 and 84 are some extraordinary photographs showing the individual behavioristics of sevens of the plants.







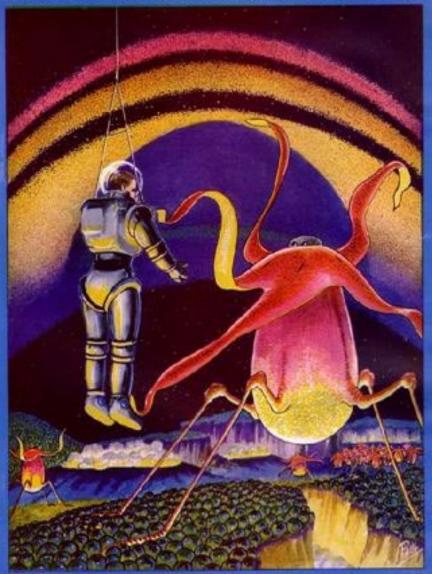








LIFE ON SATURN Life on Settern, would evolve alone insect lines, with light body, regardles of writing apider line occurs to avestury, unsatulate sectors. See proce 97 for desirin



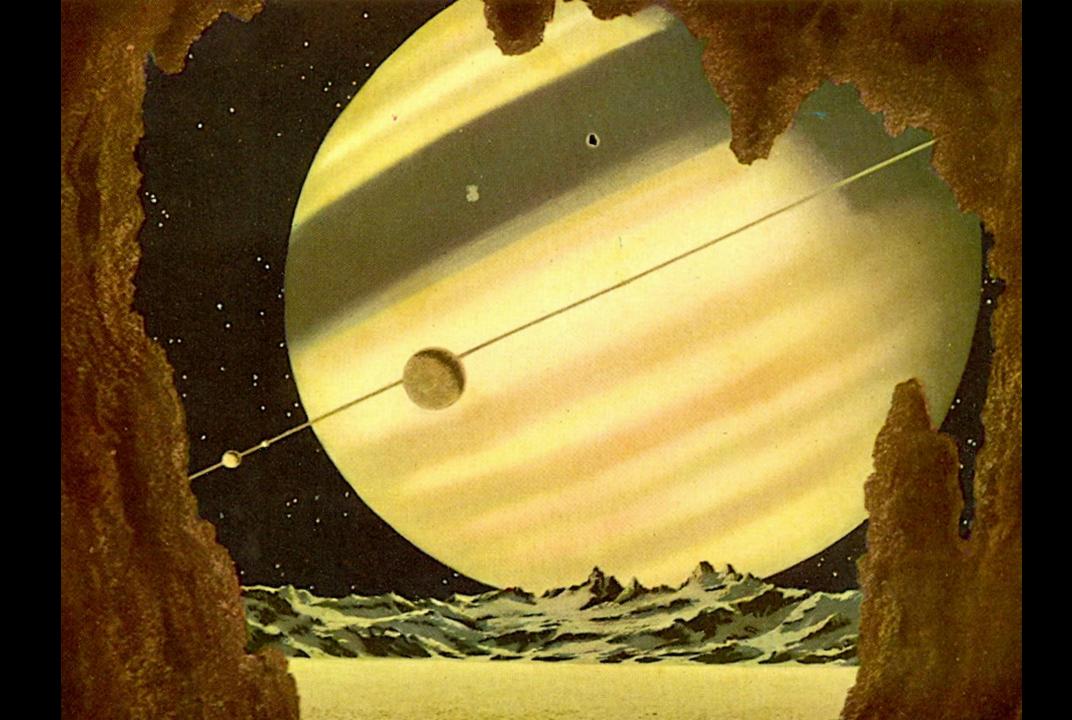
"The paintings will take you on a visit to the planet Saturn..."



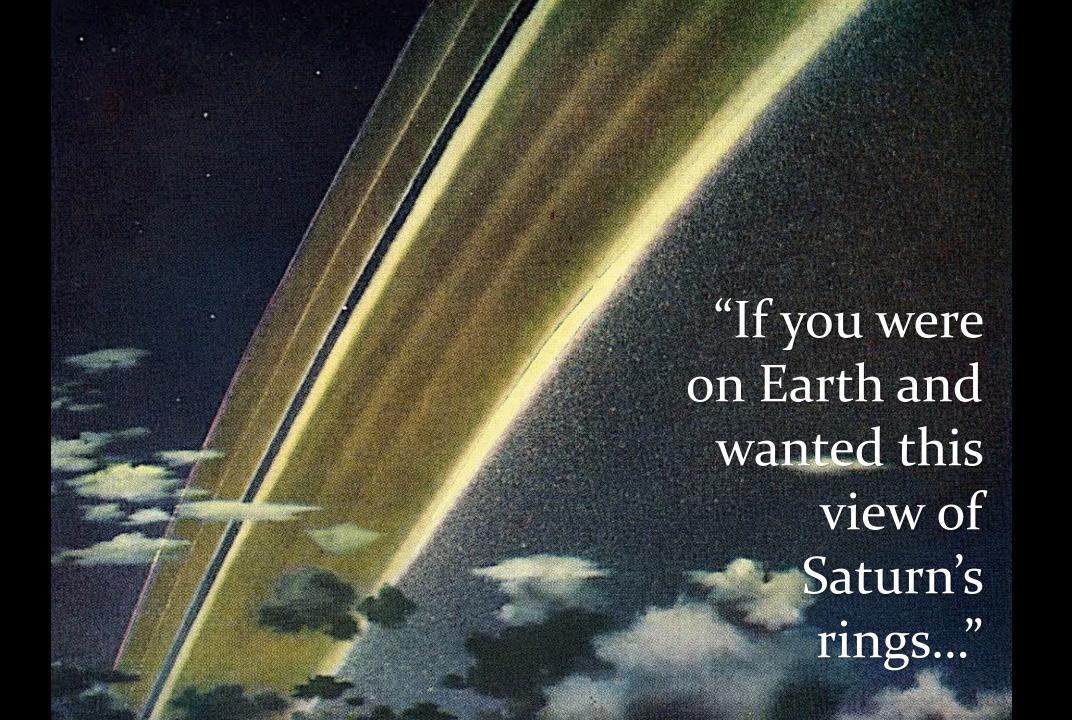


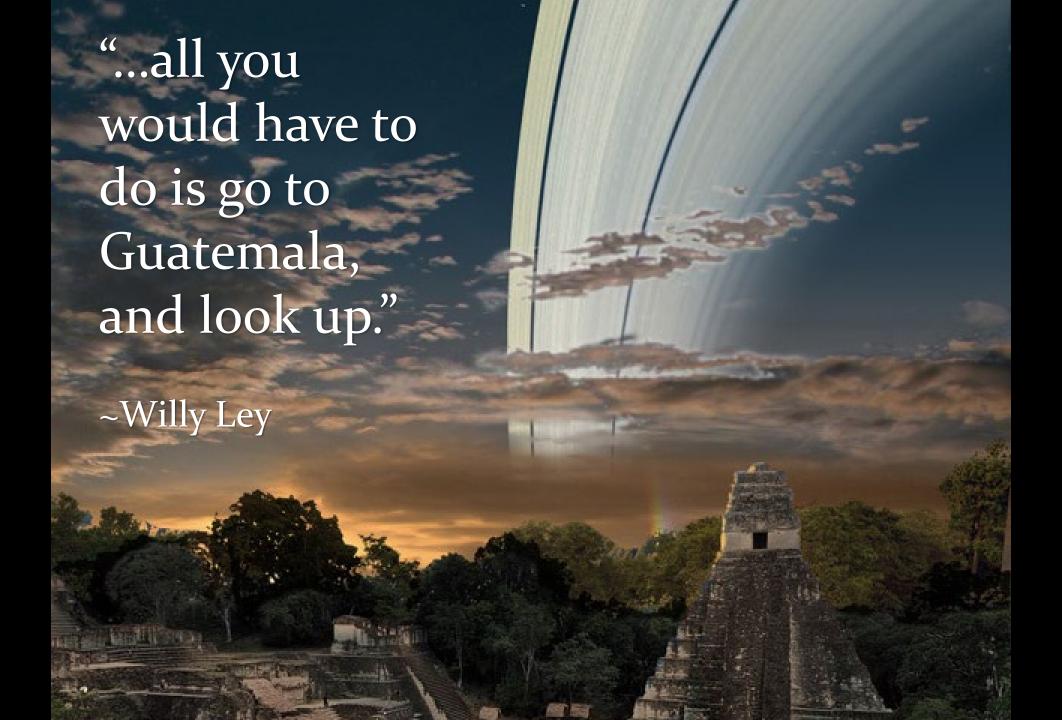


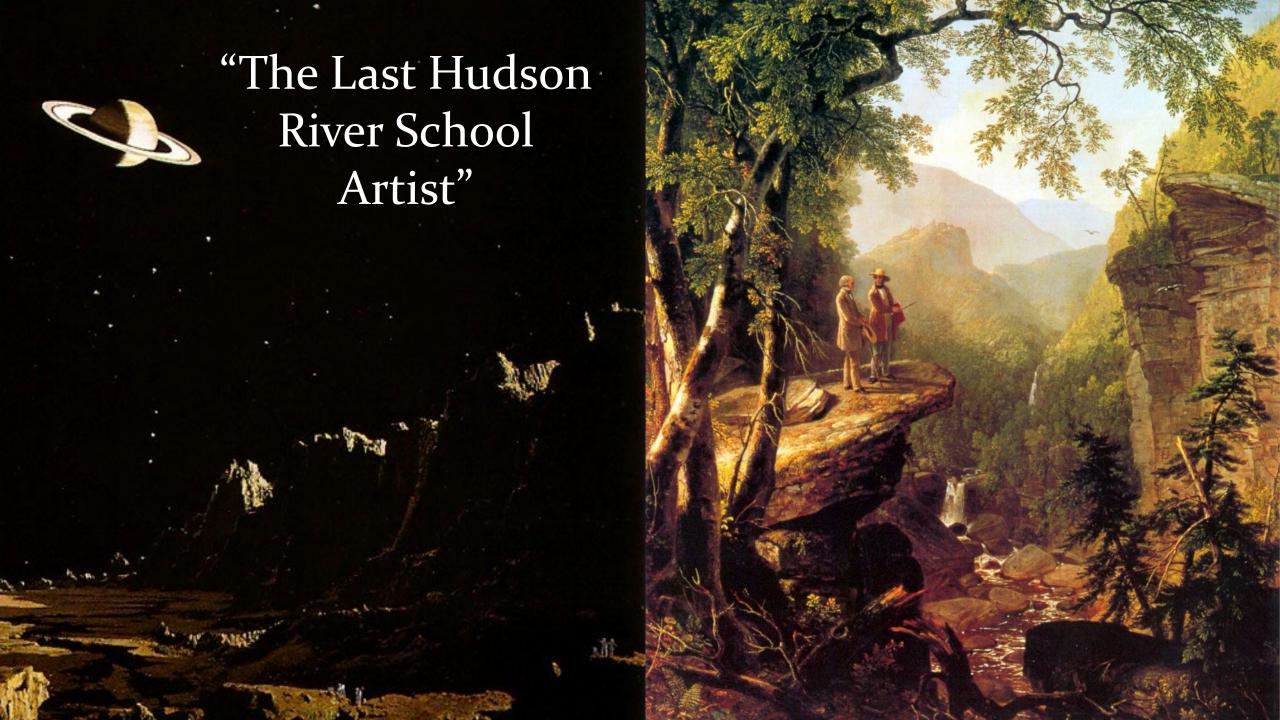


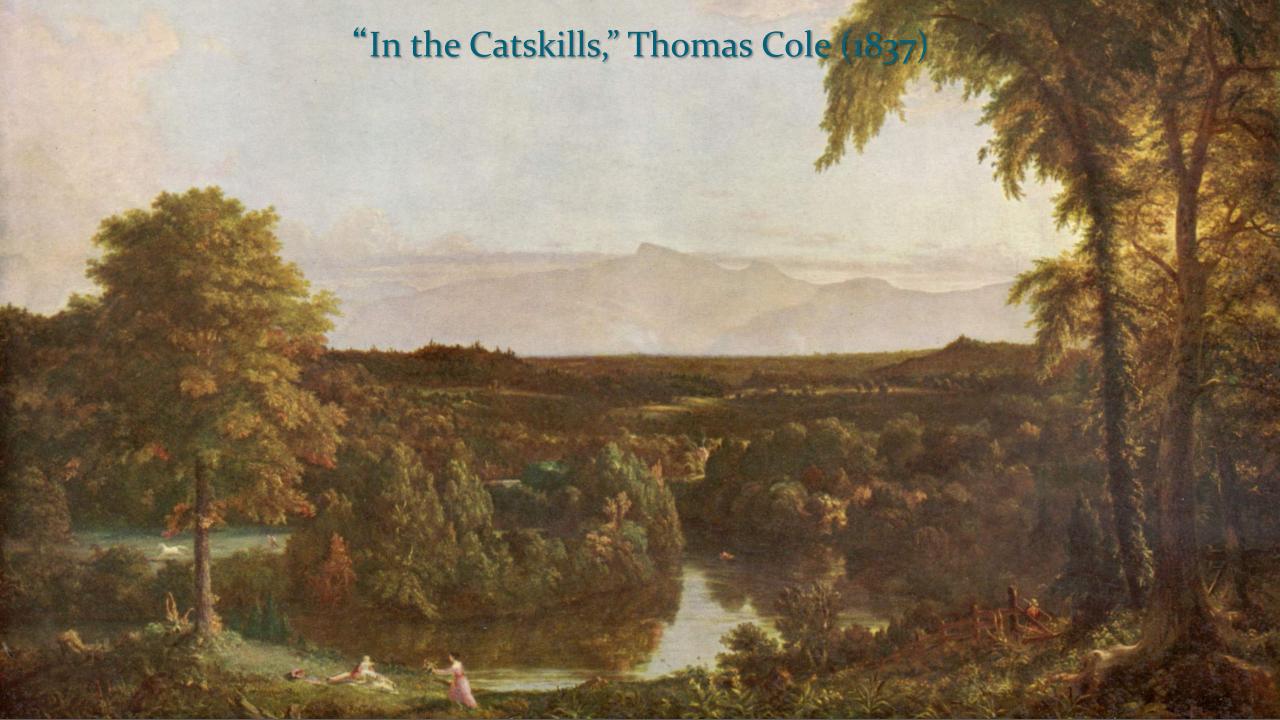




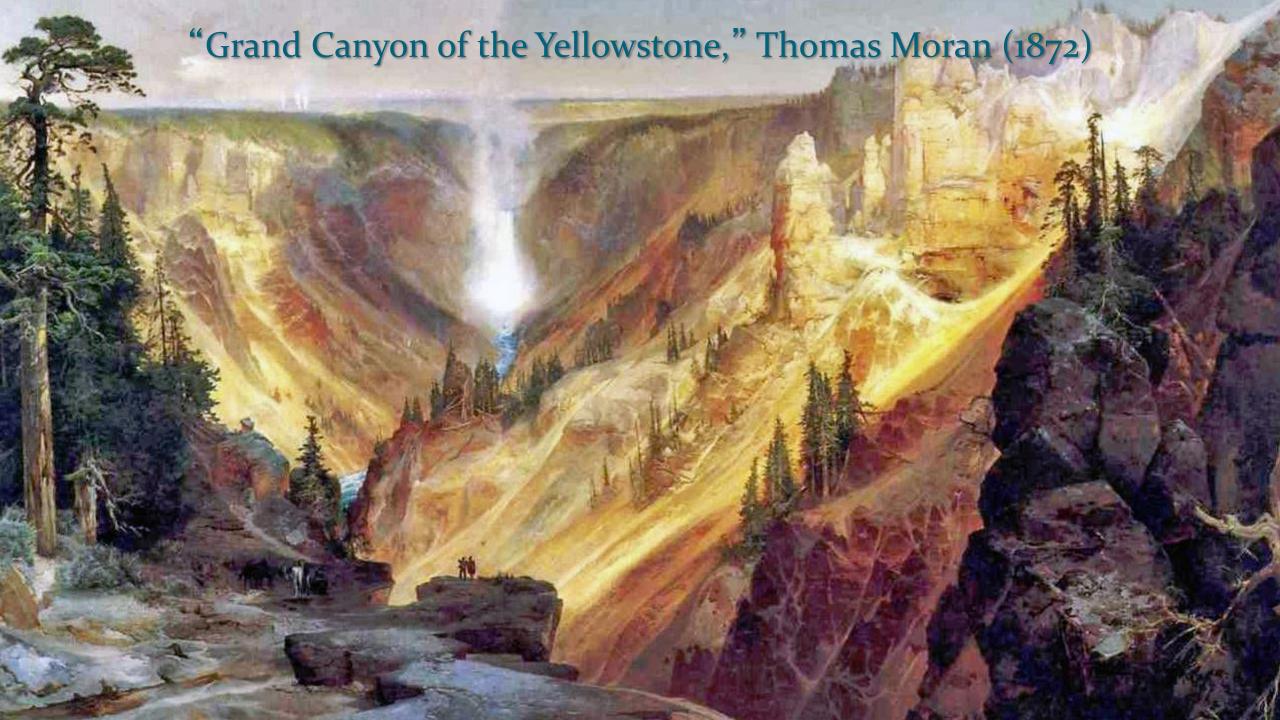




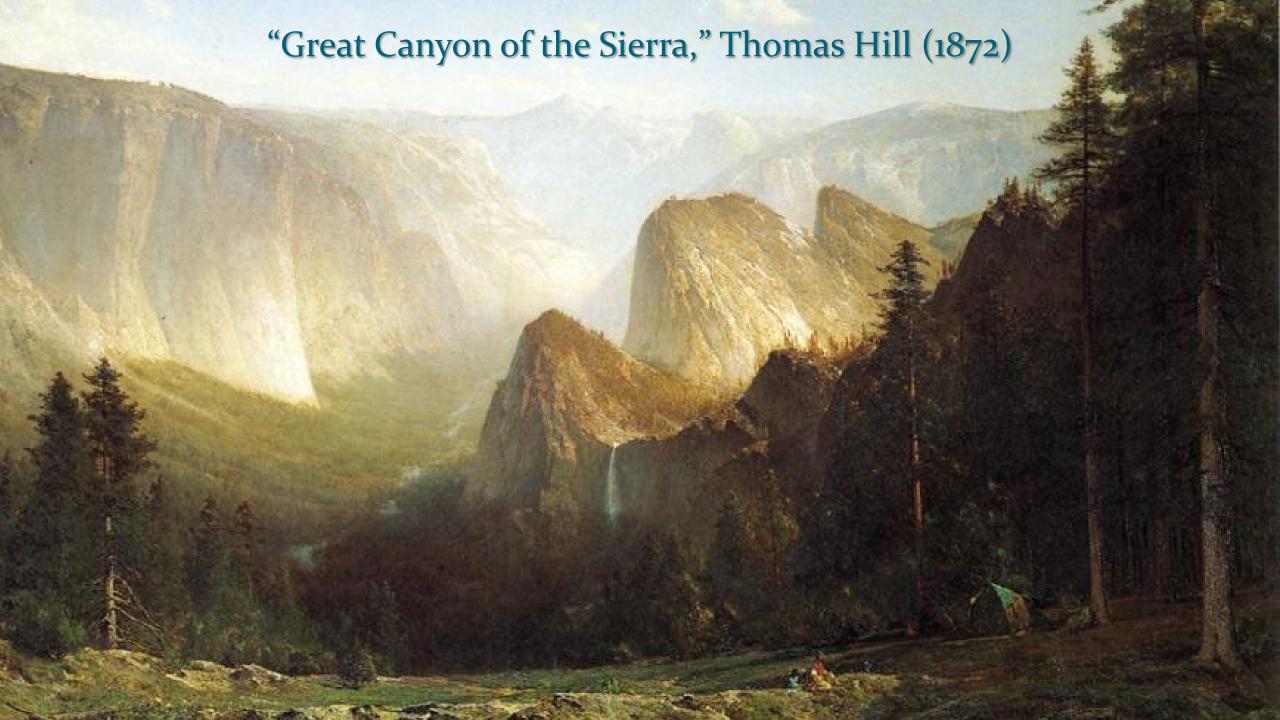






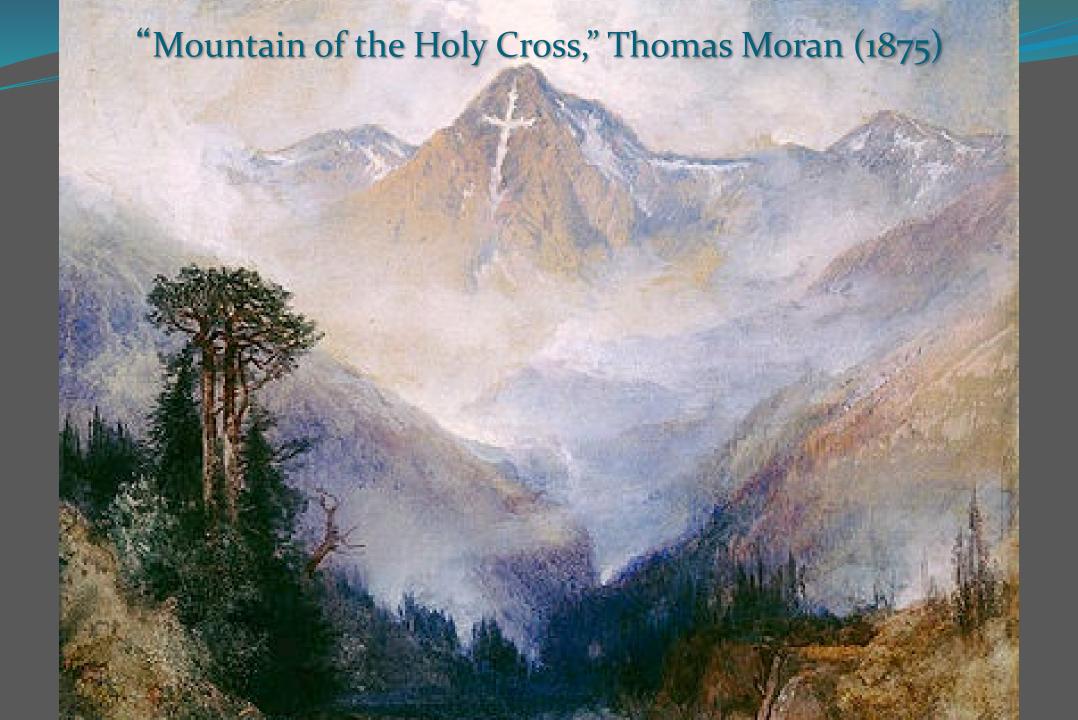


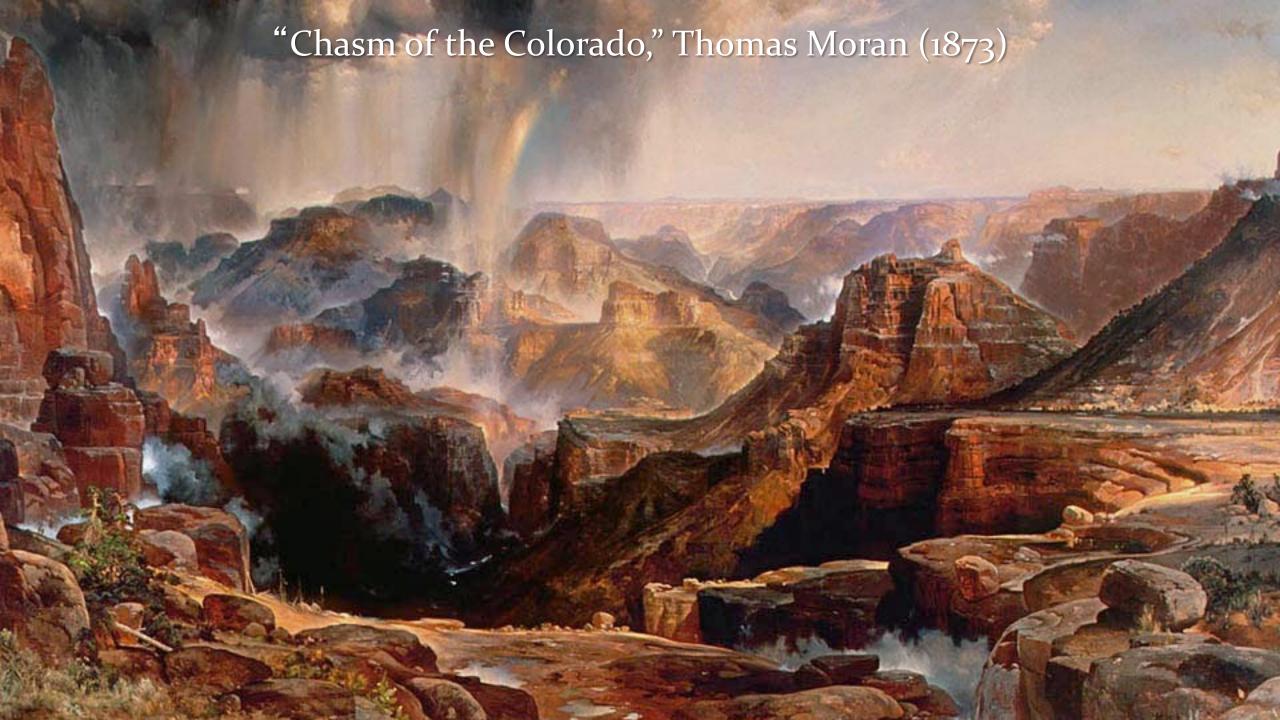


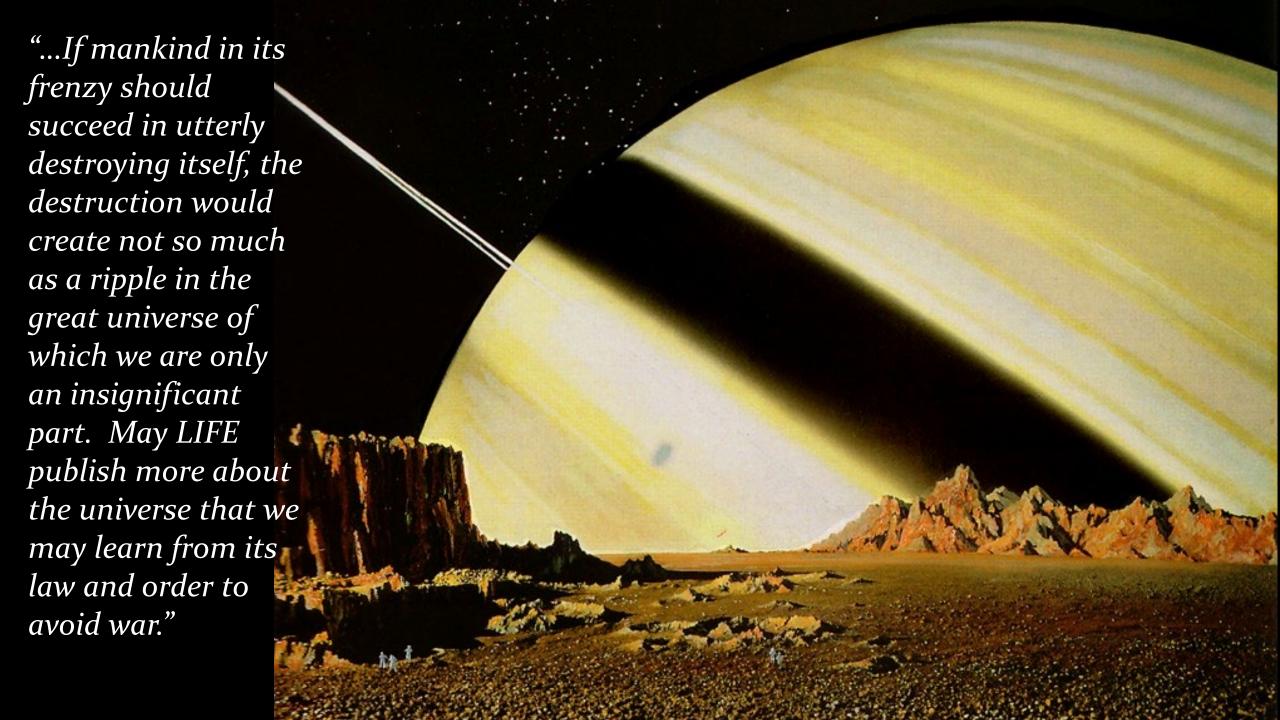














"The Astronomical Sublime an extreme aesthetic experience that threatens to overwhelm even as it affirms humanity's potential" ~Elizabeth Kessler



Sehrmeister Bücherei

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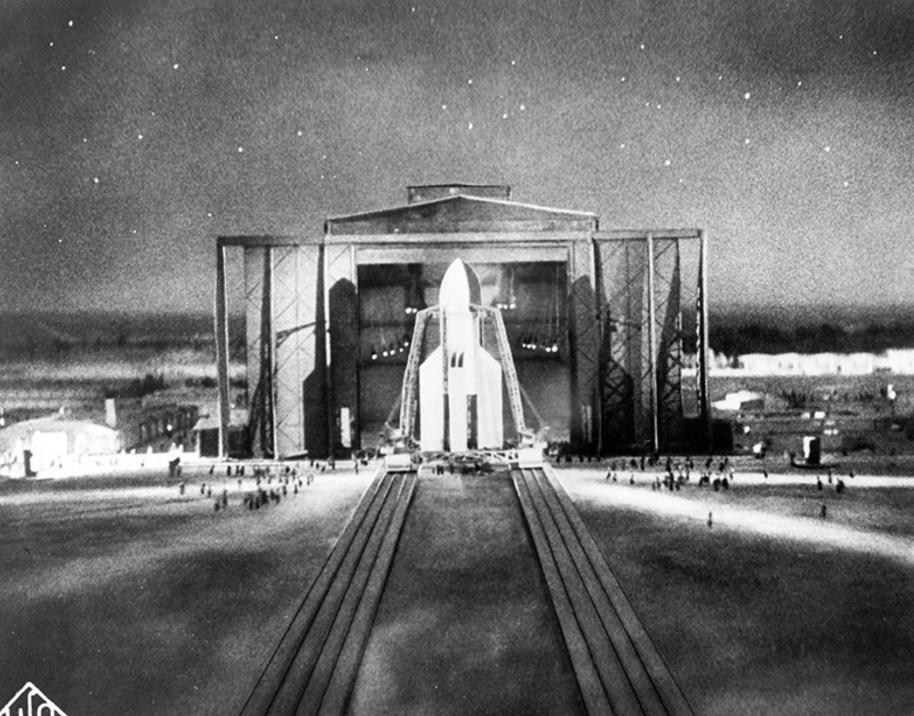
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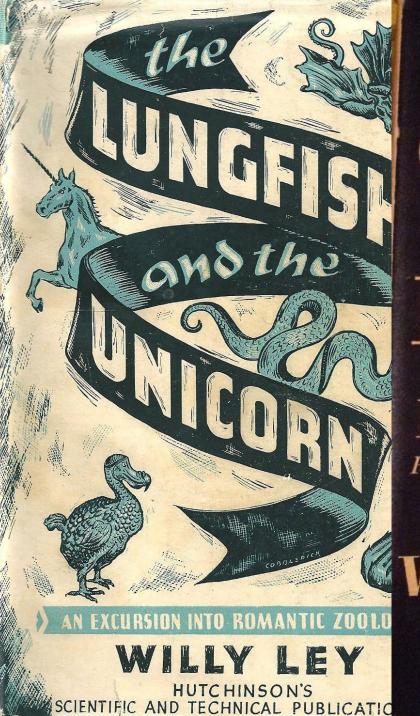
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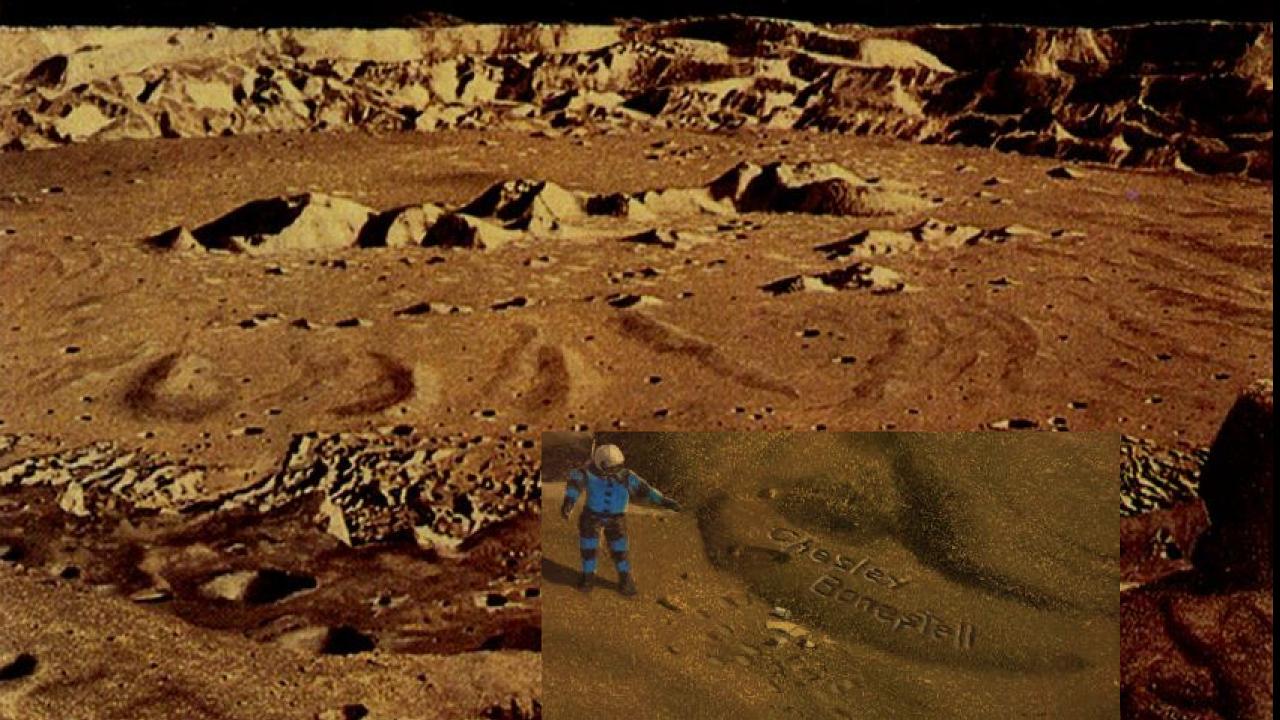
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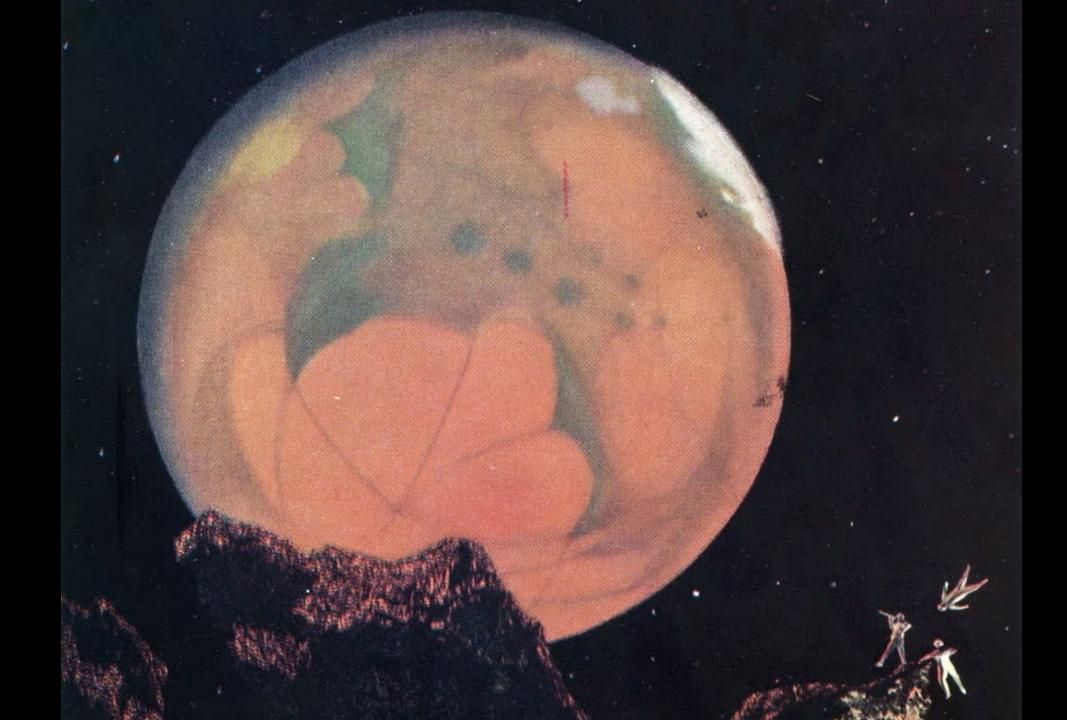










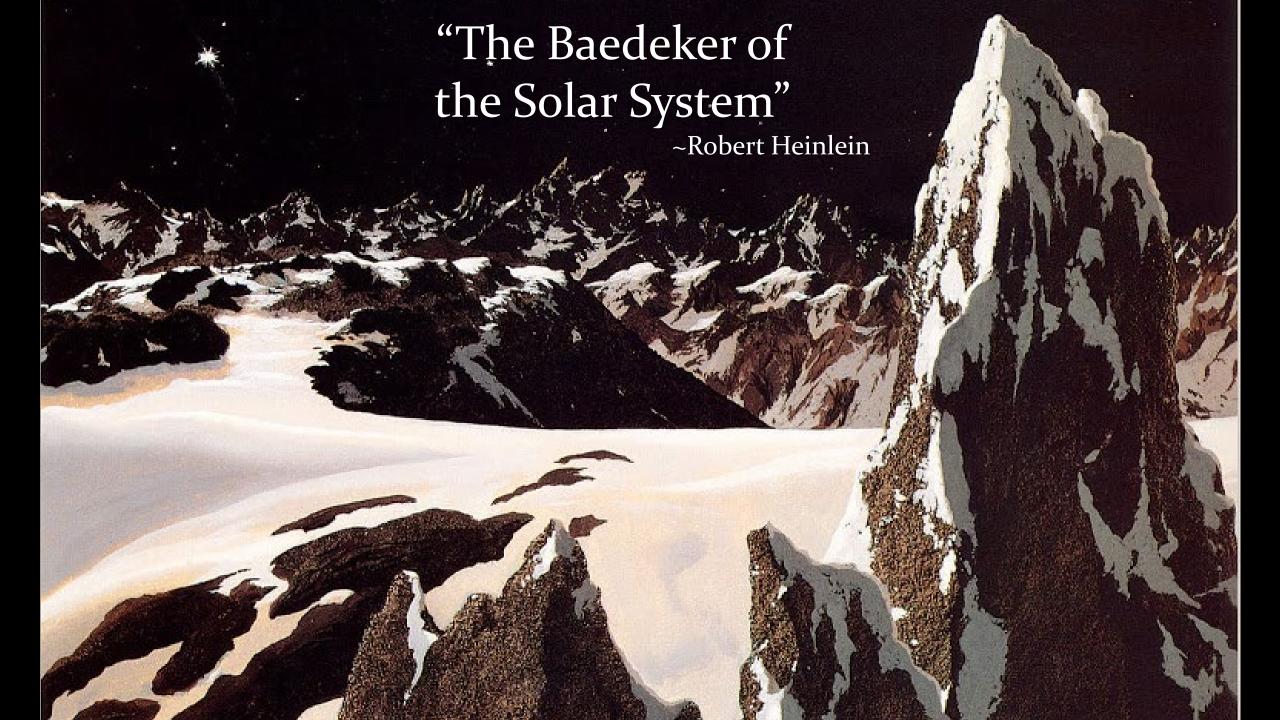


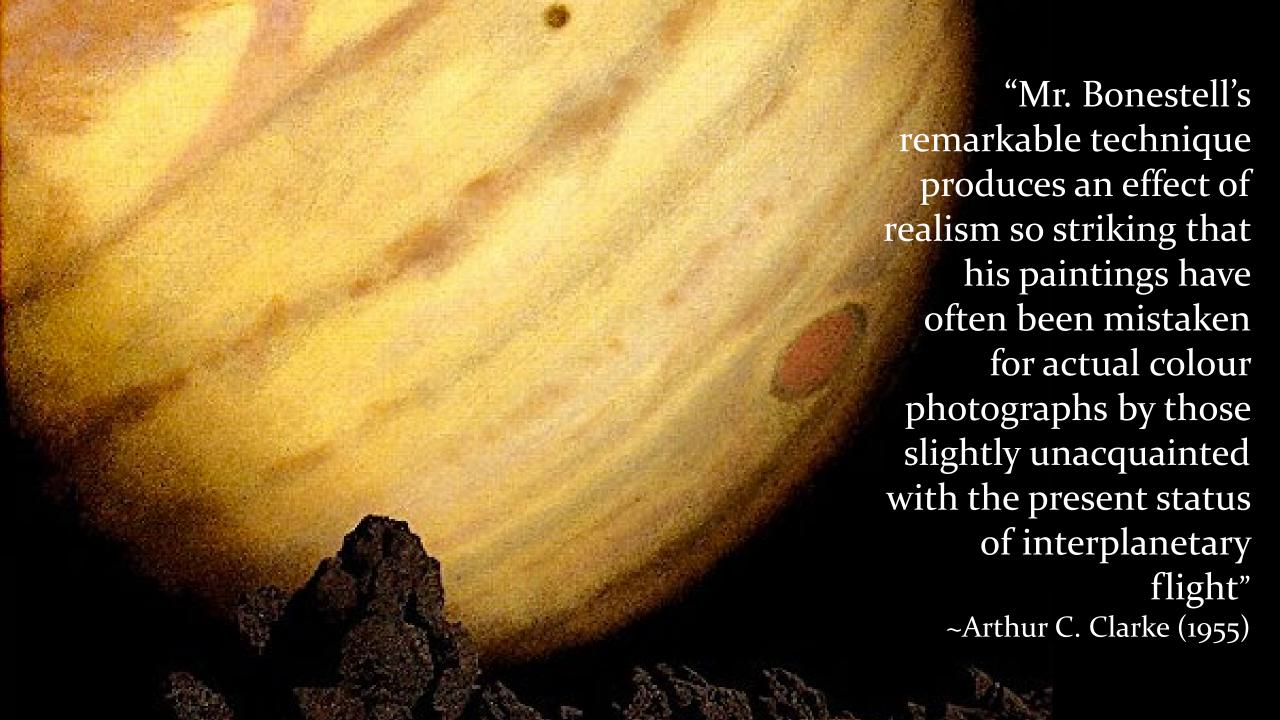












Collier's
March 22, 1952 Fifteen Cents

Man Will
Conquer
Space Soon

TOP SCIENTISTS
TELL HOW IN
15 STARTLING PAGES

MAN WILL
CONQUER
SPACE SOON

What Are We Waiting For?

CROSSING By Dr. WERNHER von BRAUN Technical Director, Army Ordnance Guided Missiles Development Group, Huntsville, Alabama Scientists and engineers now know how to build

CROSSING THE LAST FRONTIER

Scientists and engineers now know how to build a station in space that would circle the earth 1,075 miles up. The job would take 10 years, and cost twice as much as the atom bomb. If we do it, we can not only preserve the peace but we can take a long step toward uniting mankind

Collier's for March 22, 1952

"Crossing the Last Frontier"



A self-contained community, this outpost in the sky will provide all of man's needs, from air conditioning to artificial gravity

WHEN man first takes up residence in space, it will be within the spinning hull of a wheel-shaped structure, rotating around the earth much as the moon does. Life will be gramped and complicated for space dwelfers; they will exist under conditions comparable to those on a modern submissine. This painting, which is scientifically accurate, shows how the spacemen will live and week inside their whiring station.

The wheel's movement around its bub will provide centrifugal force as a substitute for gravity in weighbless space; however, this "synthetic gravity" will not be equal in all parts of the station, since the amount of spin will decrease toward the center. Thus, the topmost of the three decks (the one on the misde of the wheel) will have the least gravity, and the hub itself will have virtually none.

At the extreme left of the painting (below), on the top deck, is the communications center, which maintains radio contact with the earth, with rocket ships in space, and with the space taxis that carry mon from rocket ship to space station. Below the communications room, meteorologists chart the weather for the entire earth; on the lowest deck at extreme left in a bunk room.

Next door to the communications and weather sections is the earth observation center, occupying two decks. On the top deck is a large movable map on which "ground zero," the territory the station is passing over at the moment, is spotted. Insuediately below the map is a telescopic enlargement of ground zero. Under this, on the center deck, are additional telescopic screens showing other territory (figures over each screen refer to the amount of territory covered by the picture, not to the apparent distance away from the scene).

The electronic computer on the top deck, between the carth observation and celestial observation centers, solves complicated mathematical problems. The large screen in the celestial observation room enables astronomers to study enlarged photographs taken from the sacellite's tiny inter station, the observatory. The bottom deck contains a photographic darkroom and part of the system which recovers and purifies waste matter.

The next section over is devoted to the handling of cargo. Material arrives from the hub by elevator, and is distributed from the loading room in accordance with decisions made by the weight control center, which is charged with preserving the station's

balance. Fuel storage and air-conditioning return ducts are located under this area.

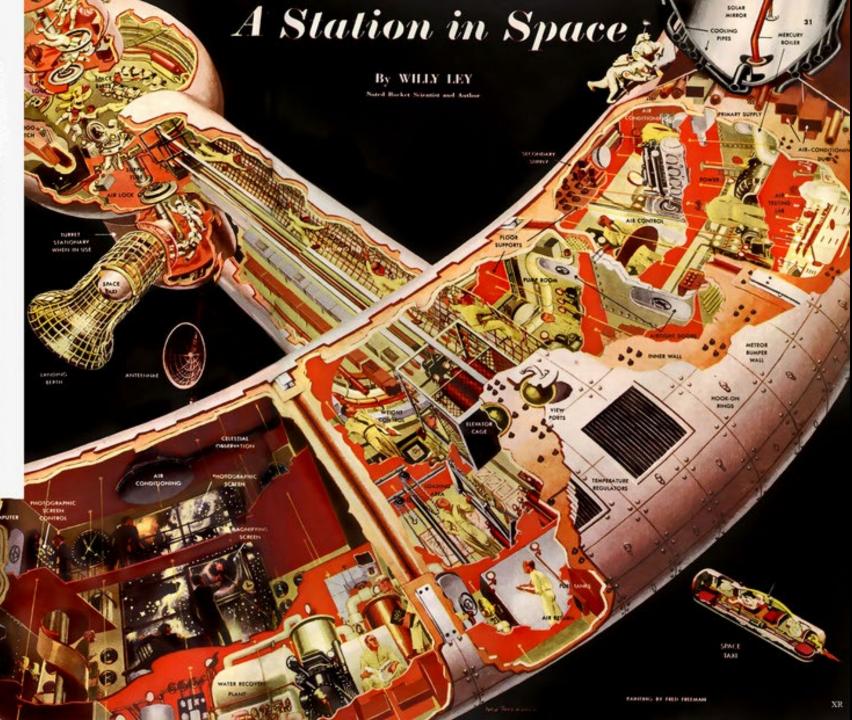
The layers of skin enclosing the space stations are shown covering part of the loading area. The outer skin, or neteer bumper, is attached to the inner skin by studs. The view ports are of plastic, tinted to guard against radiation; protective lids are lowered when the windows are not in use. The two black squares, which absorb the sun's beat and warm the satellite, have insiters to control heat absorption. On the meteer bumper wall are booken rings, to which spacemen tie lines while outside, to keep from floating away into space.

The sections beyond the pump room (top deck) form the heart of the system which keeps the space station supplied with air. The air control room regulates air pressures in the satellite. The components of the air mixture are determined by chemists in the it testing laboratory. In the room housing the air-conditioning machinery, the interior wall of the space station's inner rim is cut away to show secondary cables and ducts, which furnish power, air and the like, when the main system (right, overhead) fails.

The trough and pipe in the extreme upper-right corner of the picture are a part of the satellite's power plant. The trough is polished to catch the rays of the sun; the heat thus obtained is picked up by mercury in the tube. The mercury, emerging as hot vapor in the room below, drives a turbo-

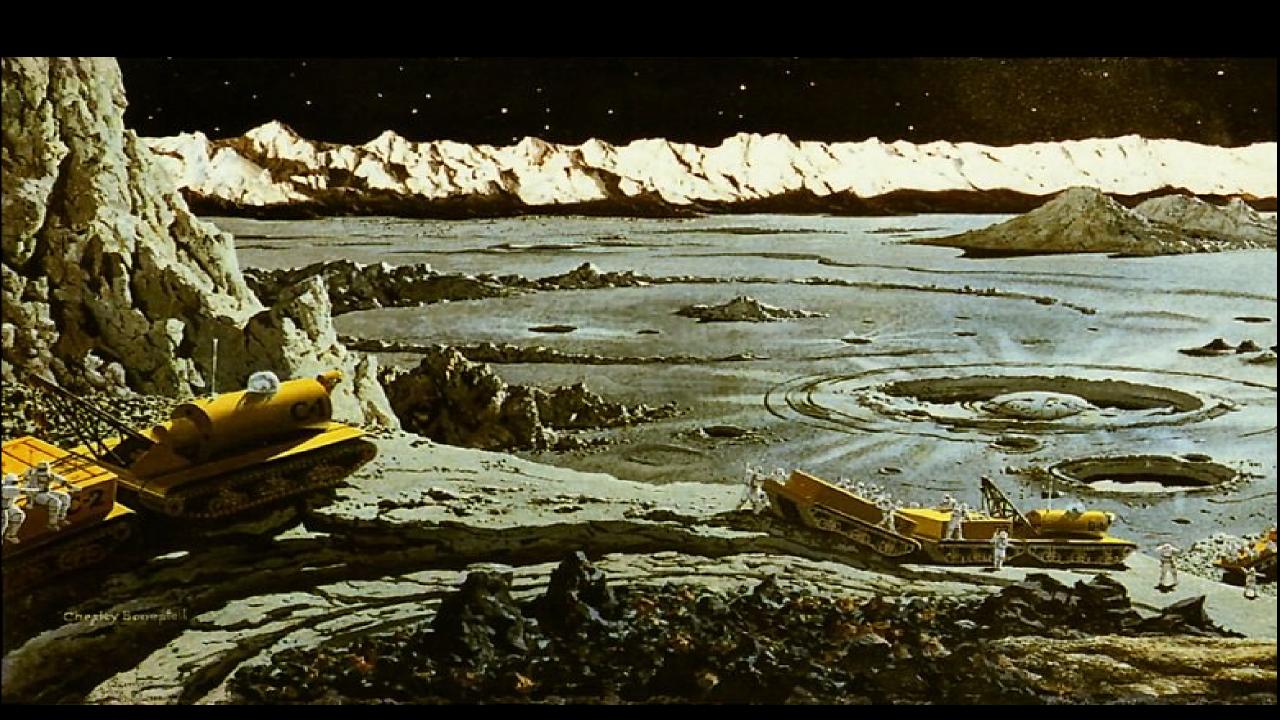
Inside the shaft which leads to the satelite's hub is a landing not to assist men in moving into and out of the gravity-free area. Since the hub is the center of all entrances, departures and leadings, it is kept fairly clear, except for the space station's supply of presumined suits. At the top and bottom of the rotating hub are turrets which can be turned so space taxis can land in the bell-shaped landing berths. The taxi's body stals the turret shut, and the men move to the space station proper through air locks.

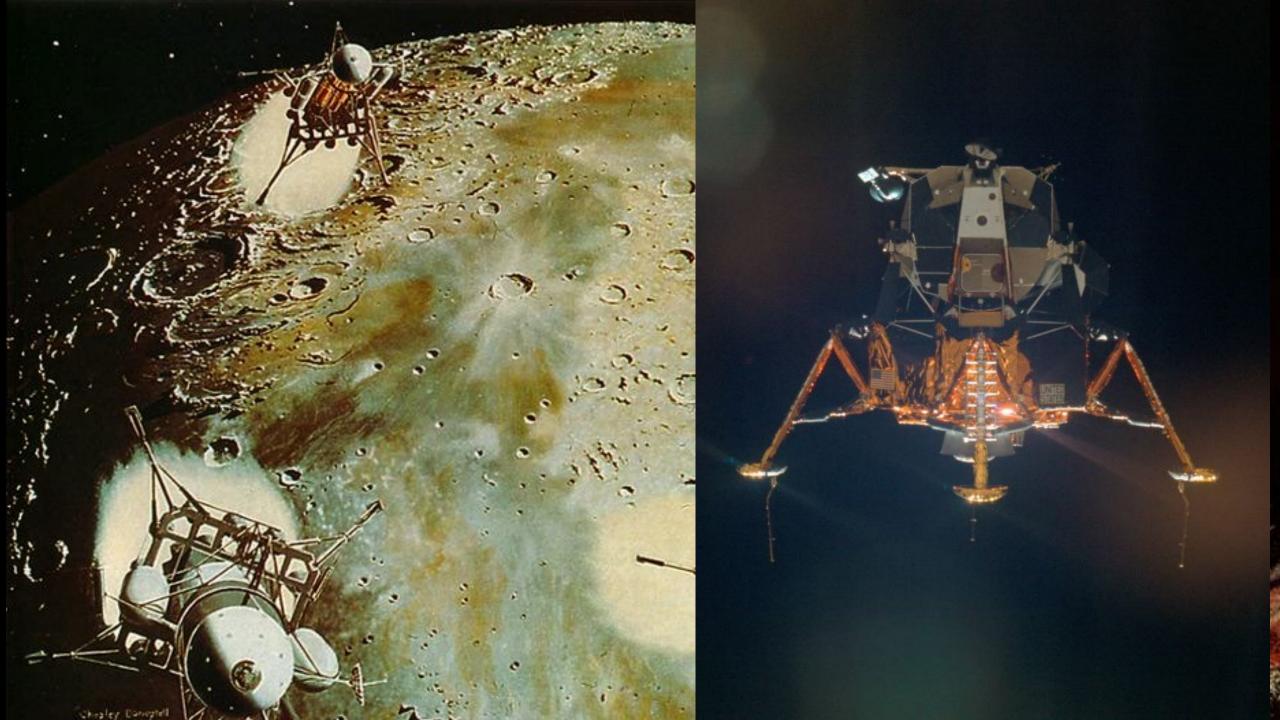
This drawing, of course, shows only a part of the space station. Its many other sections also contain equipment, suspiles and living quarters. Ilalance must be carefully maintained, with each section paintakingly adjusted to the same weight as the section diametrically opposite it on the wheel. If this were not done, the revolving station might wobble, making the synthetic gravity uneventional contents of the circuits within—and weakening the entire structure damperously.











Collier's

APRIL 30, 1954 • FIFTEEN CENTS

Can We Get to Mars?

Is There Life on Mars?

How Your Town Can
AVOID

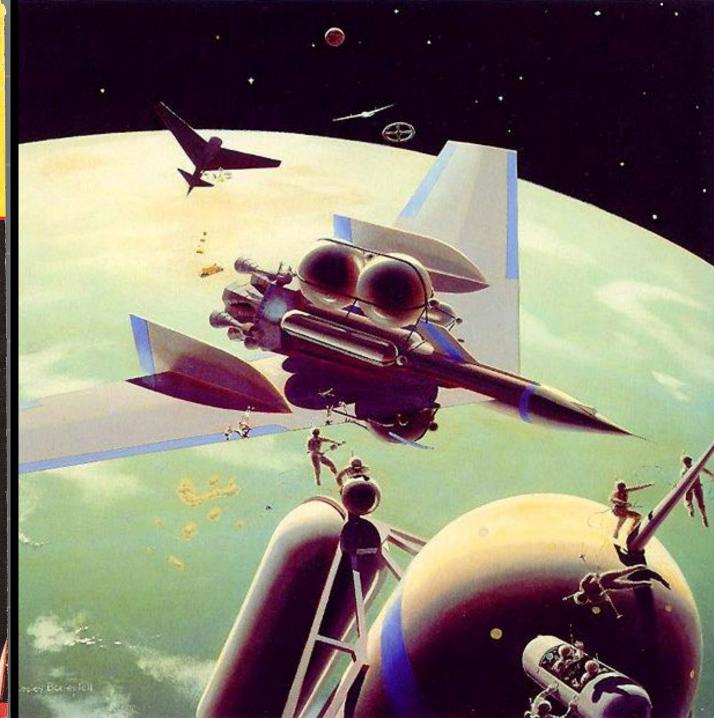
SPECIAL REPORT

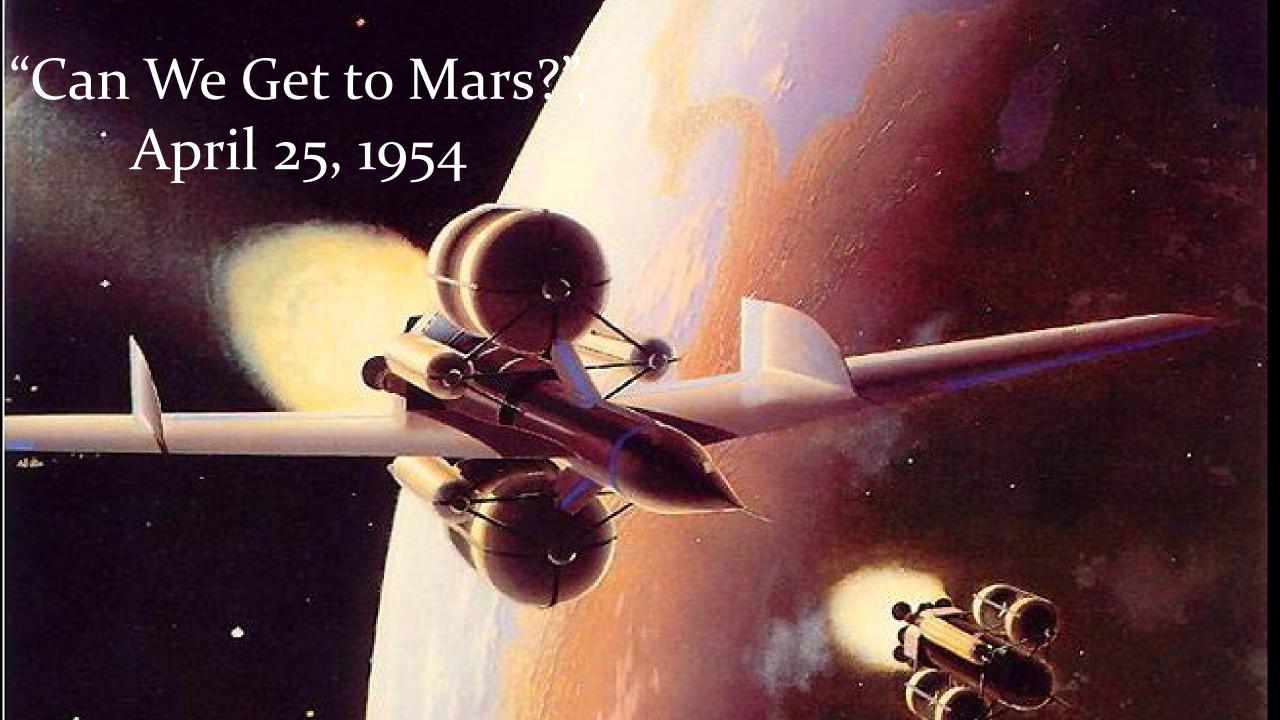
A Recession

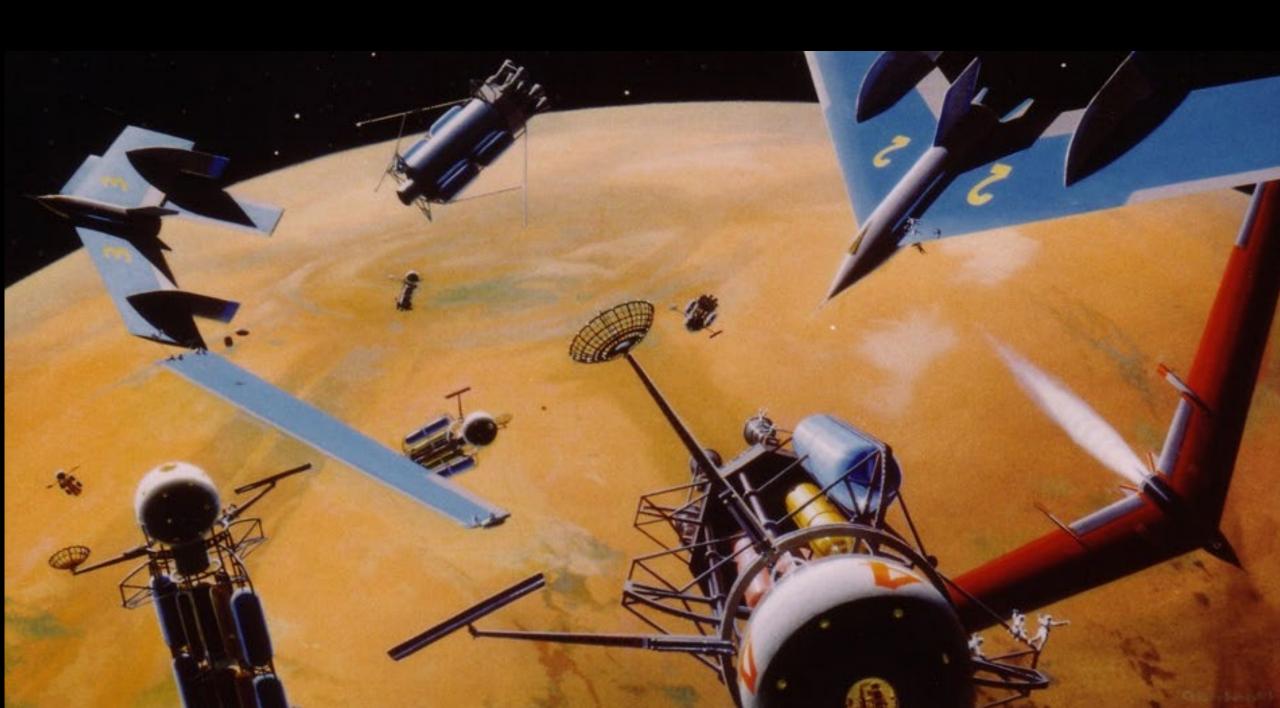
8 Danger Signals
To Watch For

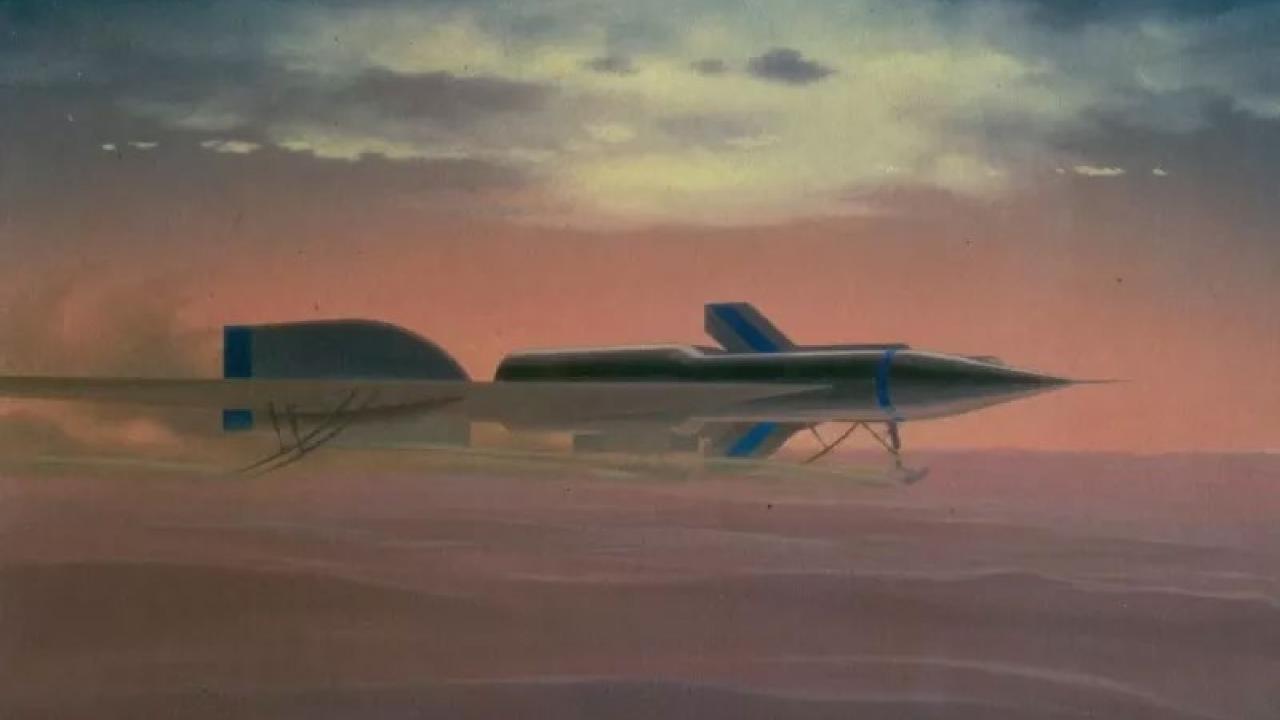
10 Specific Steps
To Prevent Trouble

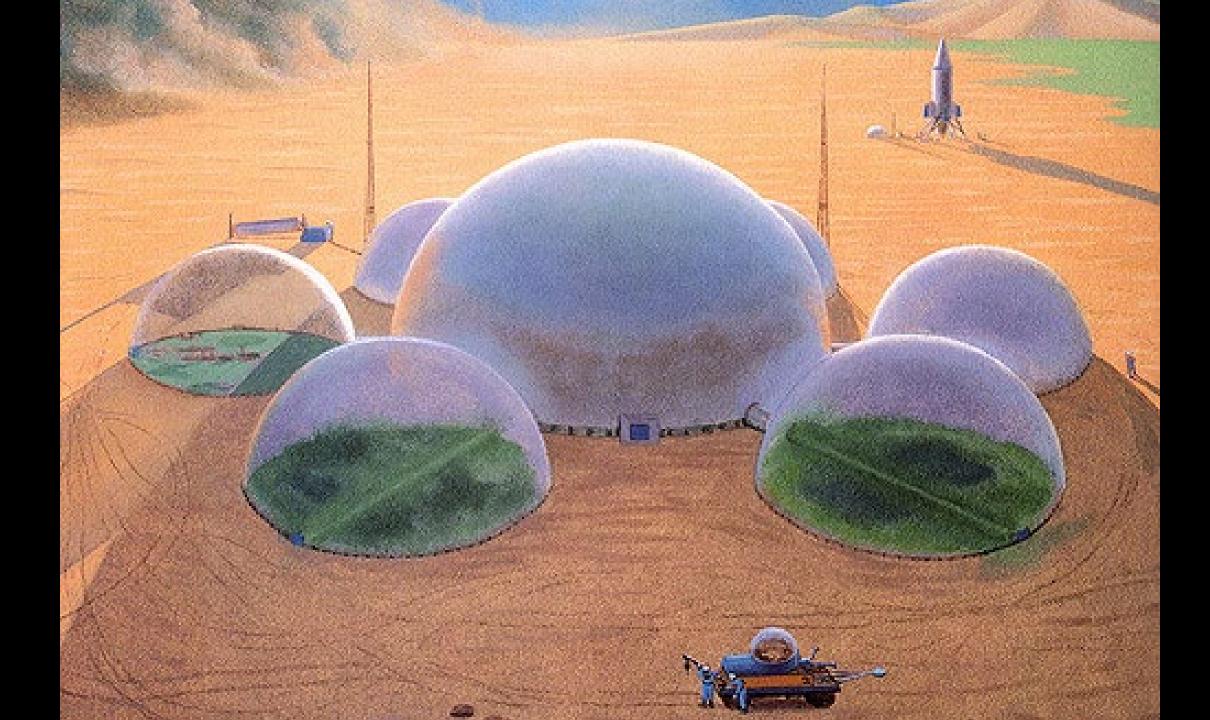








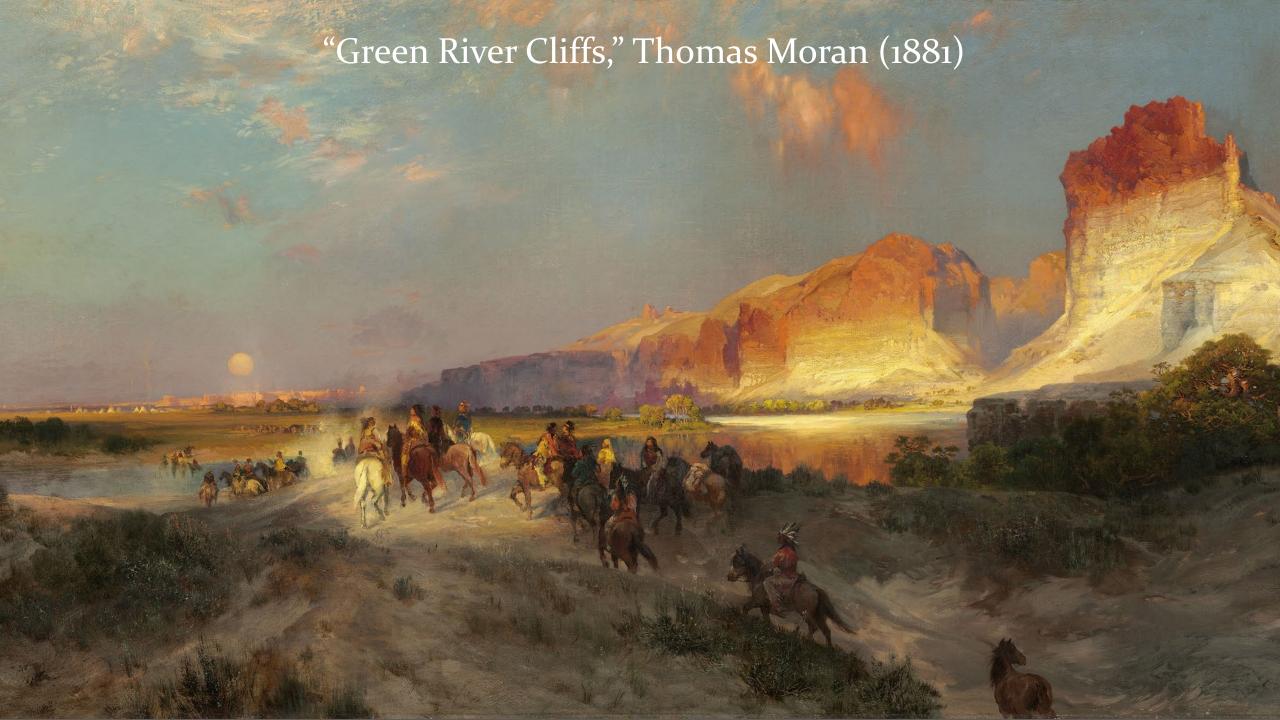








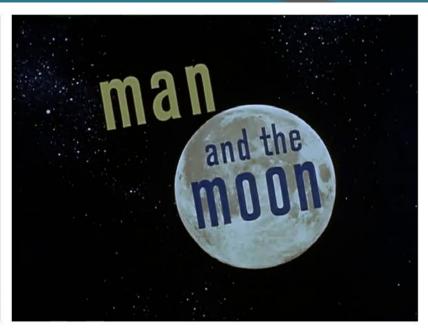






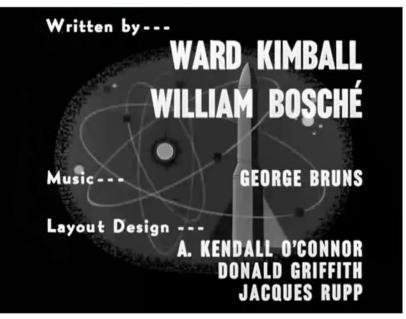


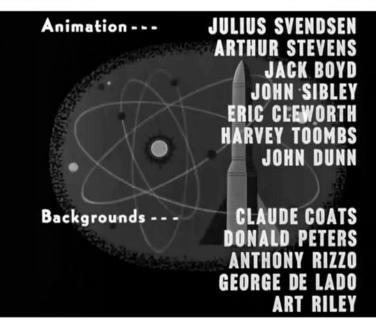
man in space





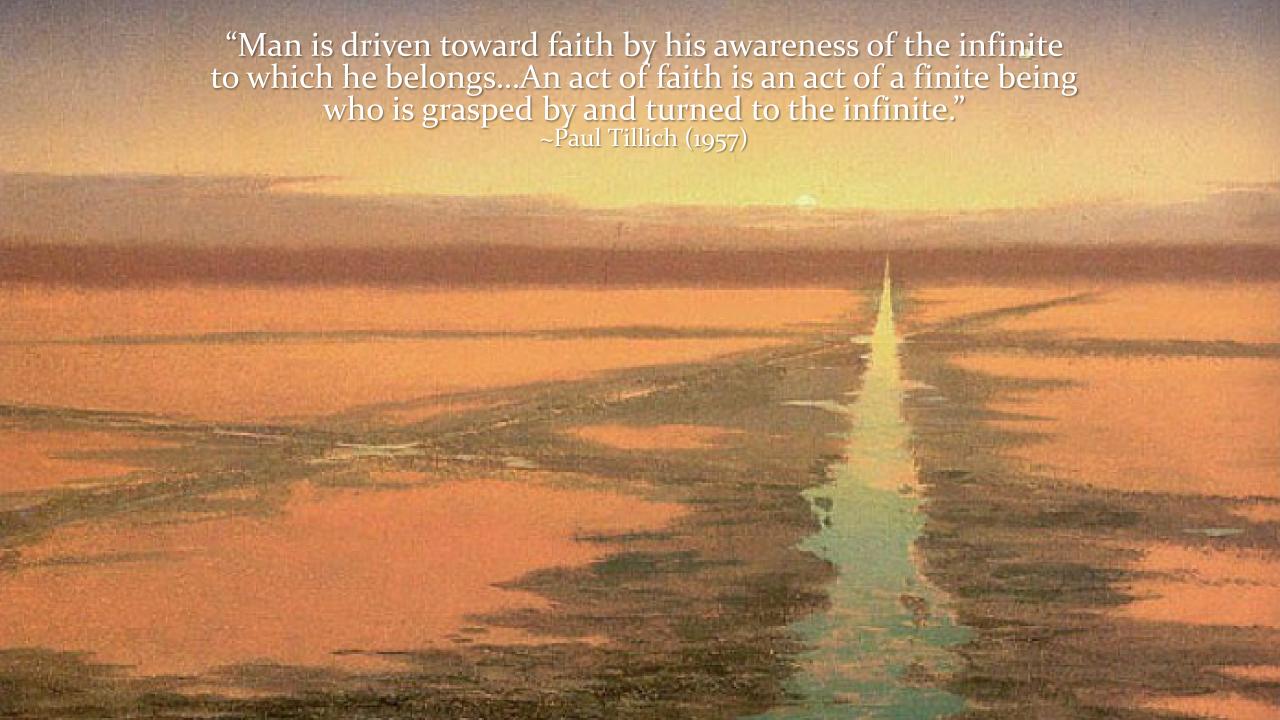






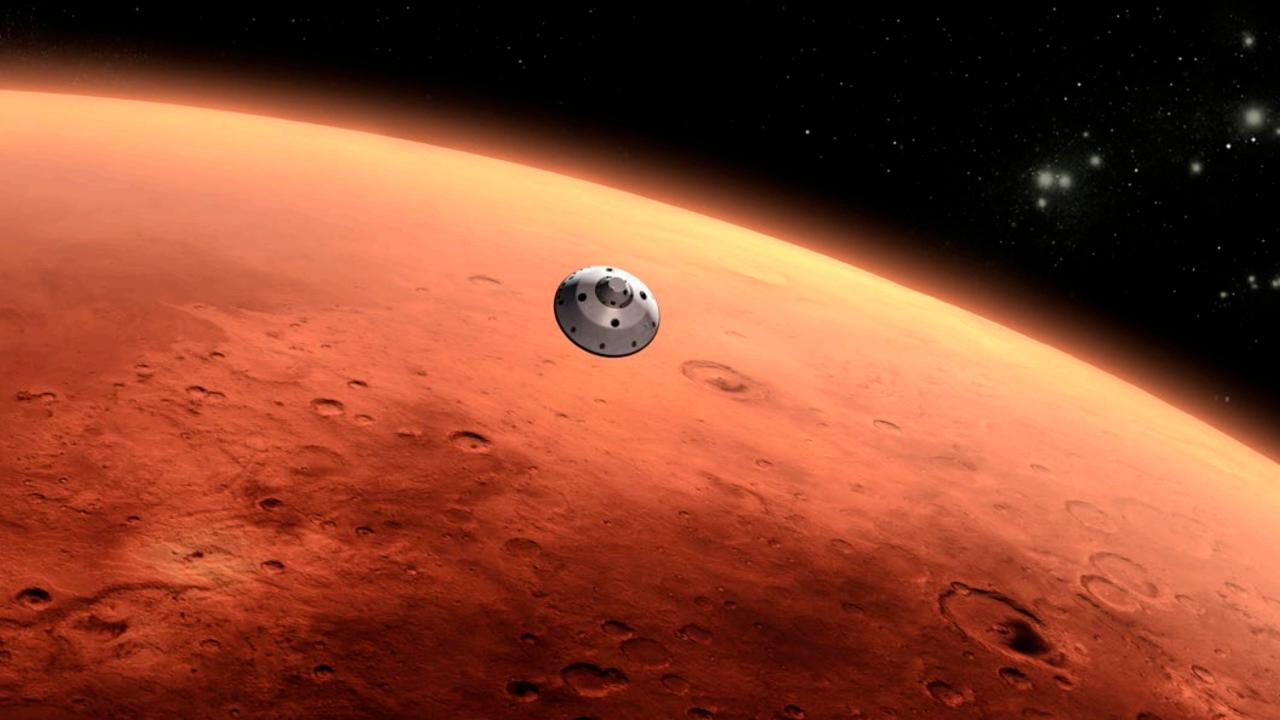


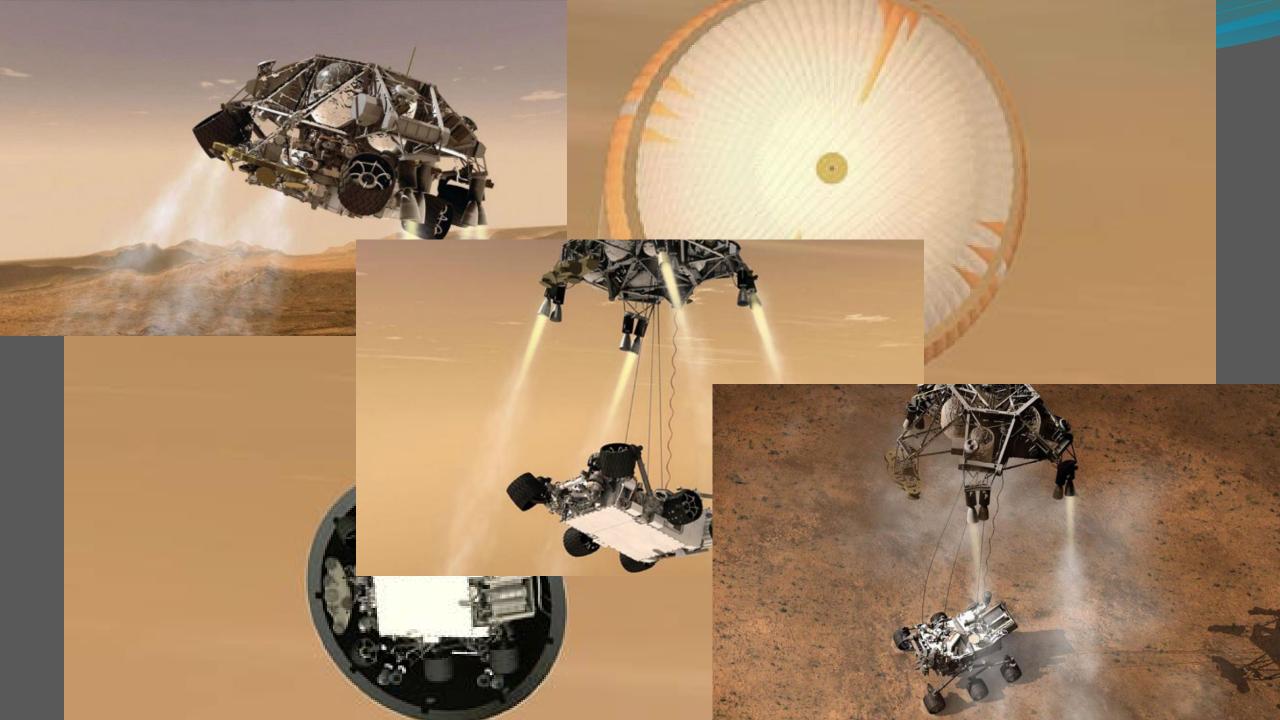




Could we then say that our continued exploration of space is an example of finite beings "grasped by and tuned to the infinite"?

And is that grasping – that *faith* – itself a resource?





"Now faith is the substance of things hoped for, the evidence of things not seen." ~Hebrews 1.11







