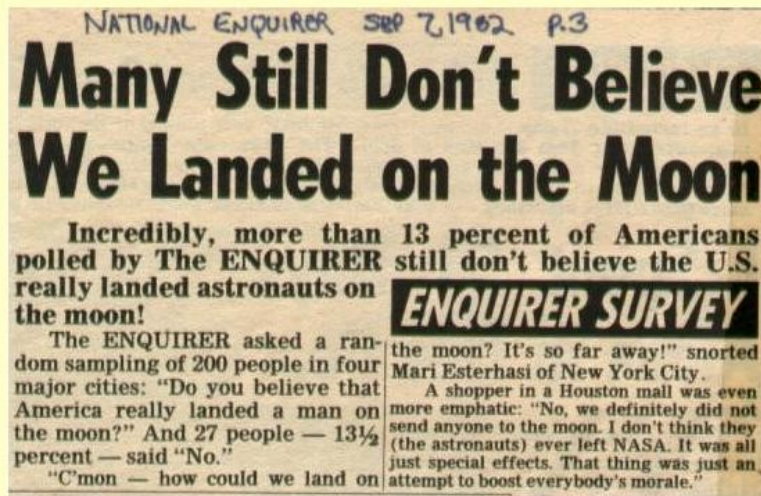


# A Pall Over Apollo

What We Can Learn from  
the 'Moon Hoax' Myth

James Oberg

“Many Still Don’t Believe...”



So WHY should anybody be surprised.... ?



## Filled-in Shadows

'Unearthly' shadows in Apollo photographs include filled-in light where some people think there shouldn't be any light.

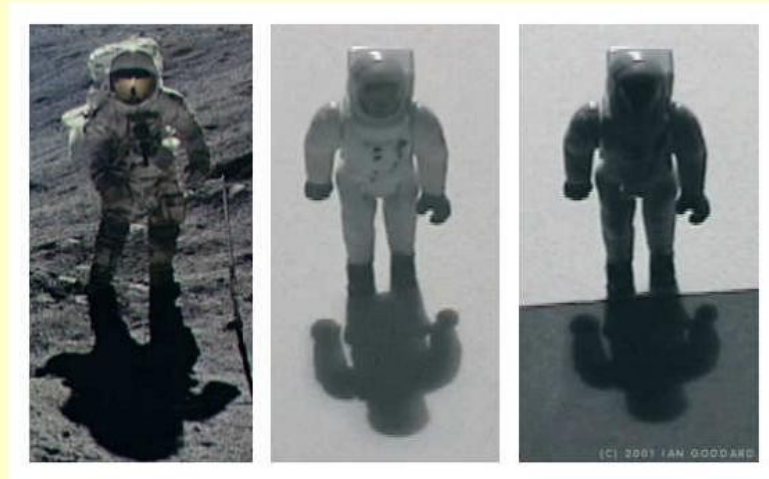
**"IN VACUUM, SHADOW IS PITCH BLACK!"**



**"NASA PHOTOS SHOW CLEAR EVIDENCE OF BACKLIGHTING FROM LAMPS OR MIRRORS!"**



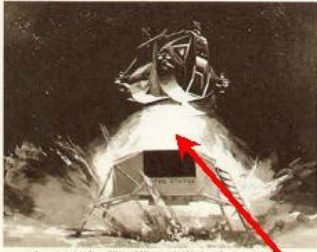
# Shadow Experiment #1



Try this at home (or at school): photograph a model with bright backlighting, and see how reflectivity of the foreground affects amount of 'fill-in' backscatter. <sup>22</sup>

# LM Liftoff -- Flames?

**"ROCKETS MUST SHOW FLAMES IN SPACE!!"**



Ascent engine fires, lifting LM toward orbital rendezvous with CSM.

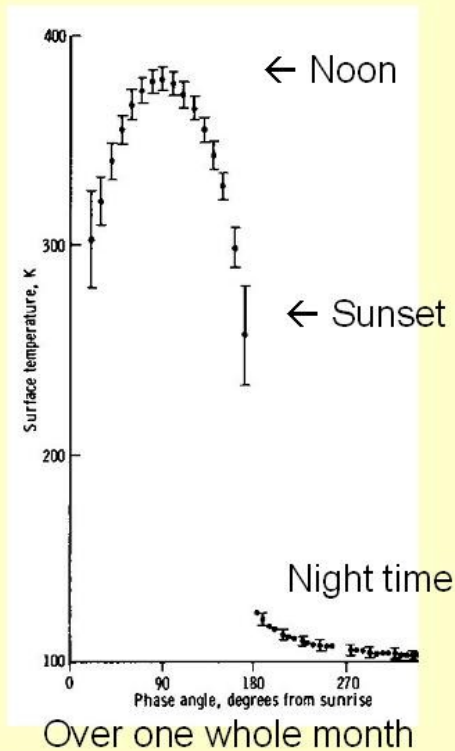
Everybody thought the rocket plume would be visible. And who took the picture?



Official NASA artists SHOWED flames!!



**“MOON HEAT WOULD BURN UP EVERYTHING,  
OR FREEZE IN SHADOWS!”**



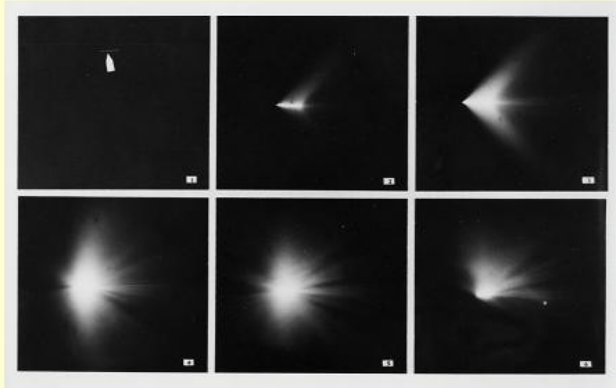
## Moon Temperature

Astronomers measured surface temperatures a century ago -- but 'gee-whiz' journalists loved to brag about instant heat/cold extremes



Like an oven – NOT!

# Astronomy Observations of Apollo



Saturn third stages fired in sight of Hawaiian Islands (left); translunar fuel dumps (and the explosion of Apollo-13) seen; last stage and LM's garage panels photographed (below).



## Norman Mailer "Of a Fire on the Moon", 1969

- "The event was so removed, however, so unreal, that no objective correlative existed to prove it had not been **an event staged in a television studio** -- the greatest con of the century --- and indeed a good mind, product of the iniquities, treacheries, gold, passions, invention, deception, and rich worldly stink of the Renaissance could hardly deny that the event if bogus was as great a creation in mass hoodwinking, deception, and legerdemain as the true ascent was in discipline and technology. Indeed, conceive of the genius of such a conspiracy. It would take criminals and confidence men mightier, more trustworthy and more resourceful than anything in this century or the ones before. **Merely to conceive of such men was the surest way to know the event was not staged.**"