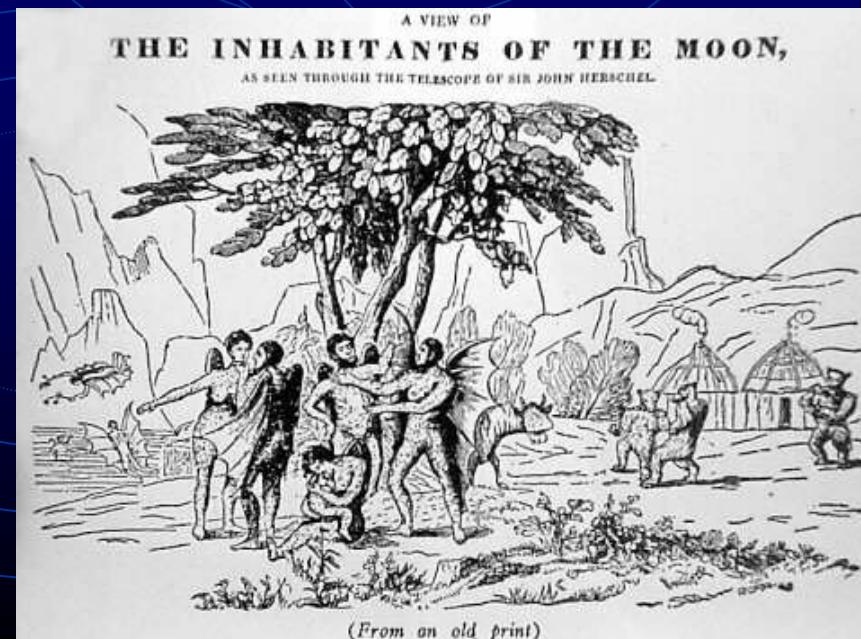
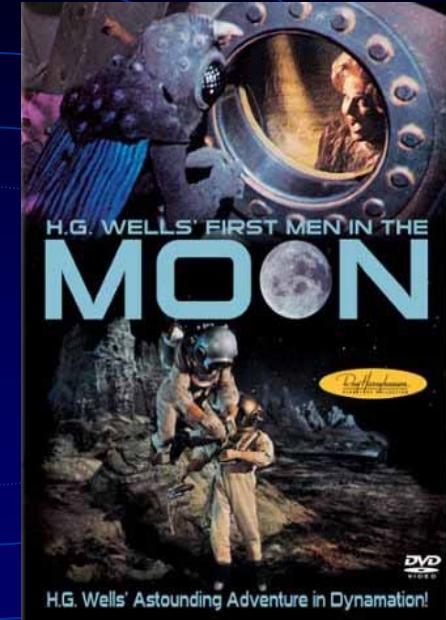


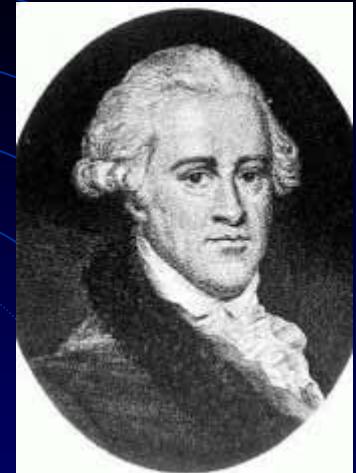
月球人？

- 人們一直相信有月球人 (selenites)
- 為什麼不呢？月相圓缺規律，輪替與太陽爭輝，與生活息息相關，想當然應該有人，即使不是每個凡人都能夠去，也應該住了神仙才是！e.g., 嫦娥、吳剛

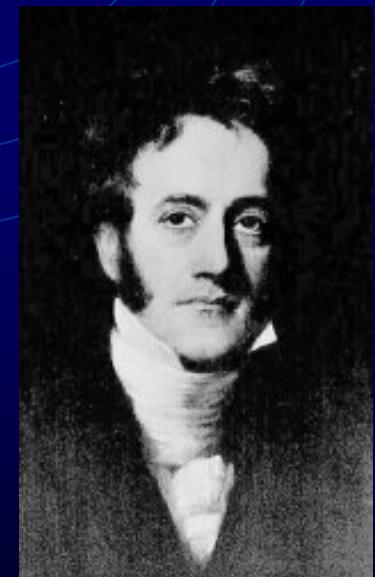


月球大騙局 (The Great Moon Hoax)

1835年8月底，紐約太陽報頭條新聞宣稱英國天文學家赫歇爾 (Sir John Herschel; 1792-1871；其父為發現天王星的著名天文學家使用位於南非新建造的大型天文望遠鏡觀察月球，利用其獨特設計的放大原理，清楚看到表面有生命存在。



William Herschel



John Herschel

- 該文宣稱消息來自科學期刊 *Edinburgh Journal of Science* 的報導，其實該期刊早已停刊多年
- 整個事件從8月25日開始，從描述望遠鏡到看到簡單表面特徵與植物、月海、火山、畜獸，然後是月球（蝙蝠）人彼此在談話，且充滿肢體動作，顯然具有智慧。
- 8月31日最後一期報導甚至描述了壯麗的廟堂，證明他們擁有高度文明。
- 新聞連載了六天，讀者每天大排長龍爭購報紙，期待獲悉最新的發展，使得才開辦兩年的小報，8月26日賣出了快兩萬份，到了8月29日甚至把整個事件印成專輯小冊，賣出了六萬份。

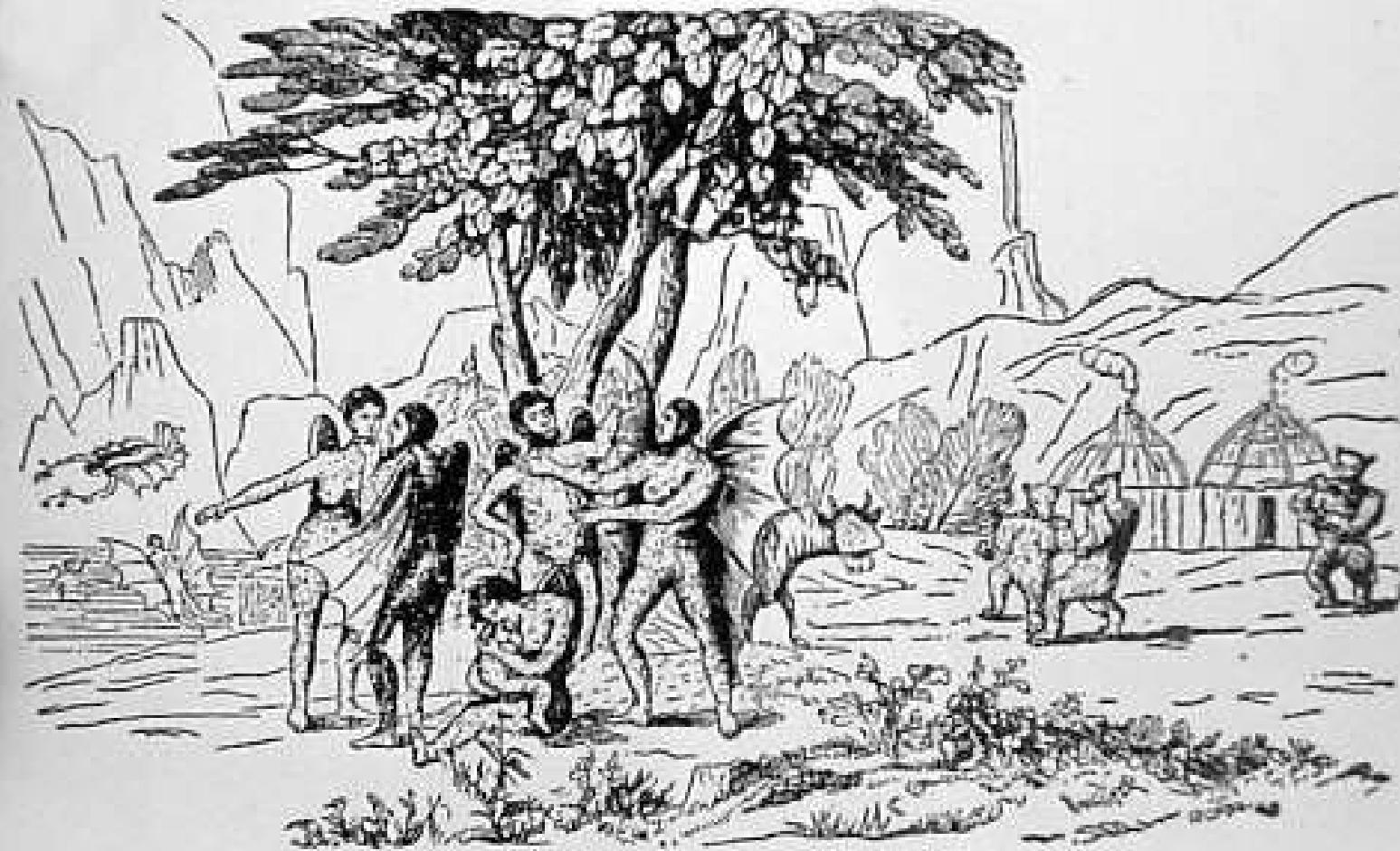


從月球看地球

1835 lithograph

.....毛茸茸的月球人有男有女，具有如蝙蝠般飛翼，在湖邊悠閒吃著瓜果，四周則圍繞著禽鳥以及狀如牛、熊般的牲獸。

A VIEW OF
THE INHABITANTS OF THE MOON,
AS SEEN THROUGH THE TELESCOPE OF SIR JOHN HERSCHEL.



(From an old print)

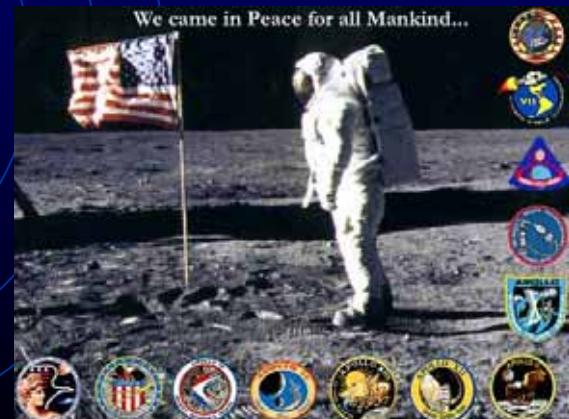
pamphlet reprint

- 事後證明整個事件其實是記者洛克 (Richard Adams Locke, 1800-71) 所虛擬的故事
- 洛克專長報導科學新聞，爲了諷刺當時流行「多重世界」理論倡導者迪克，認爲其藉科學之名散播似是而非的觀念，主張外星人存在而作品大爲暢銷，例如迪克曾爲文，以英國的人口密度爲準，依照大小估計太陽系各天體，像是月球、各行星以及衛星，甚至土星光環邊緣所居住的人口數目！

- 但人們相信這樣的故事
- 到了 1960s 人們以不再相信月亮上的蝙蝠人，但很多人仍認為月球上是有生物的，只是太小，望遠鏡看不到
- 1969 年七月 20 日 Neil Armstrong 登上月球，之後又有多次登月任務，收回月表岩石樣本 Apollo 11 Mission
目的：研究月表地質及尋找生命跡象



“Houston, Tranquility base here. The eagle has landed.” – July 20th, 1969

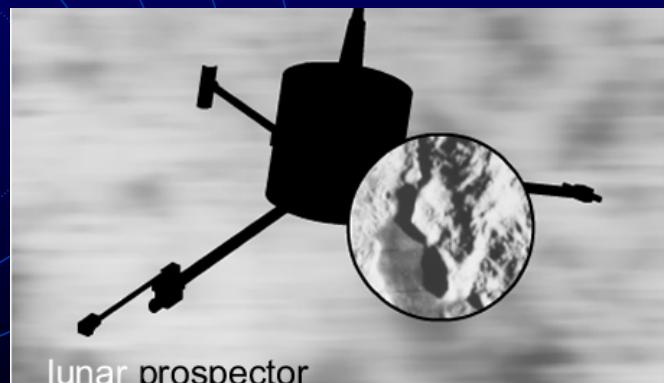


- 時至今日仍有傳言阿波羅任務並未登上月球，認為一切都是NASA作假。甚至信誓旦旦，太空人登上月球受到當地生物警告不要再來，以致後來不再繼續登月任務，甚至美國總統還和外星人簽署了「**互不侵犯條約**」
- 事實上人類對於月球的探測從來沒有間斷，只是在科學上以及人類的征服感方面，月球不再引起媒體興趣。
- 近年有關月球探測帶有具體的「探測」意味（例如找水）



- 到目前爲止，沒有發現任何生命跡象 這毋寧讓相信月球有生命的人大失所望 但是這兩年研究顯示月球可能含有水分
- 以在月球建立基地的目標來說，月球有水很重要，除了可使用外，還可以分解產生氧氣與氫氣（燃料）

對，人類又開始研究月球了（其實從來沒有停止過），這次不再只是科學好奇，而是要找東西，並沒有因爲有人宣稱「月球是外星人基地」而退卻）



- 國內有人主張月球其實是中空的，內部乃外星人的基地 ...
- 但是空心與實心結構迥然不同，引力場不單影響登月飛行及其他太空任務無法順利進行，就連人造衛星受到擾動也不同。要是月球真是空心，不單只有美國 NASA 知道（而且還刻意隱瞞事實 **偏只有少數地球人知道？**），其他各國科學家也能夠得知，無法瞞天過海
- 外星人的基地還曾經是月球背面、地心
難道外星人隨著我們民智漸開而遷移？

如果沒有月亮...

What If the Moon Didn't Exist ...

- 沒有中國農曆年，沒有中秋節
- 沒有 Moon River, 沒有 honeymoon
- 床前沒有明月光
- 潮汐規模小得多；地球自轉會比較快
(週期不到10小時)
 - 強風、強磁場
 - 生物演化過程可能非常不同
 - 連「演講」方式都會不同...

如果地球離太陽稍微近一點 ...

如果沒有木星 ...

如果太陽質量稍微大一點 ...

如果我昨天沒有 ...

如果我剛才做了 ...

火星人？

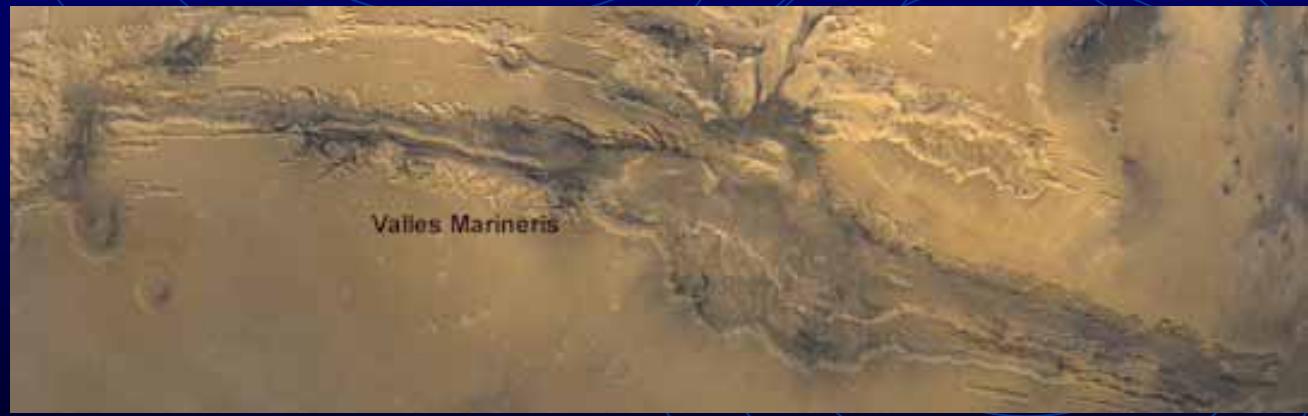
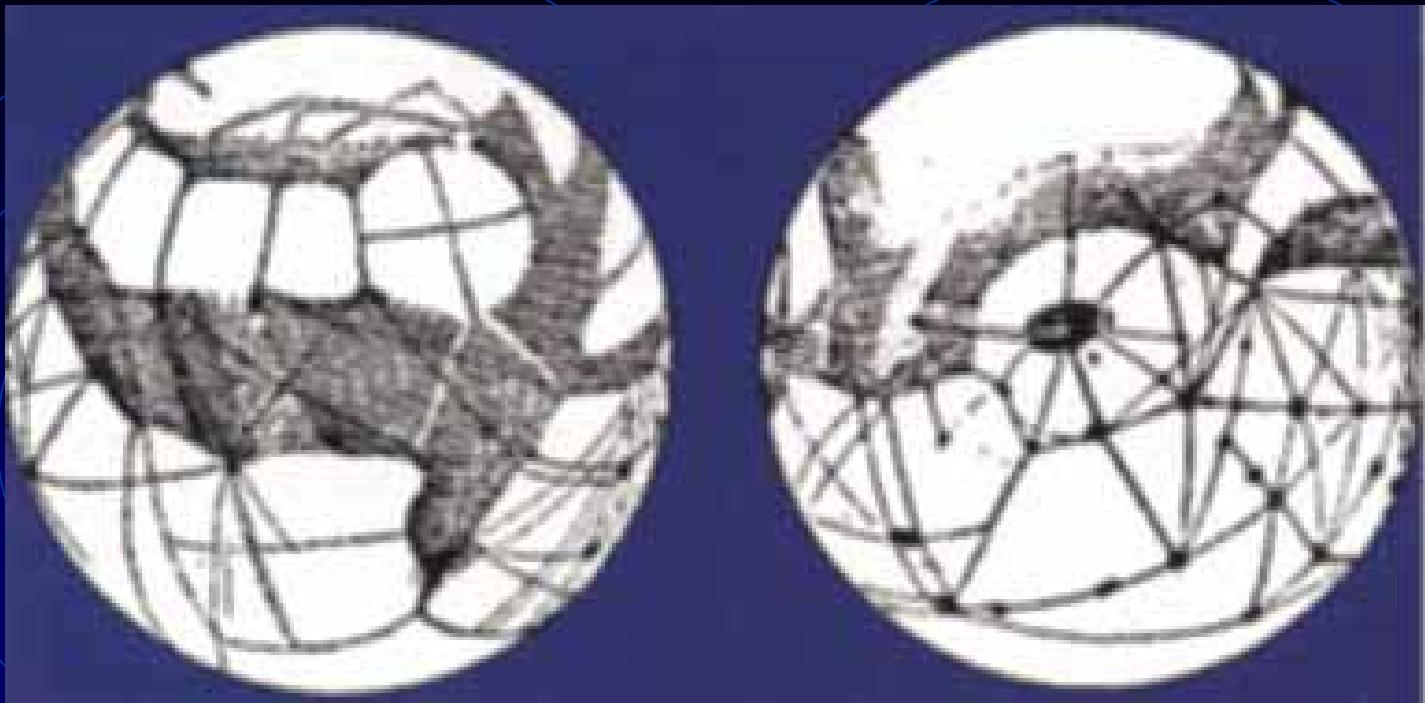
說到外星人，火星人又比月球人來得熱門得多



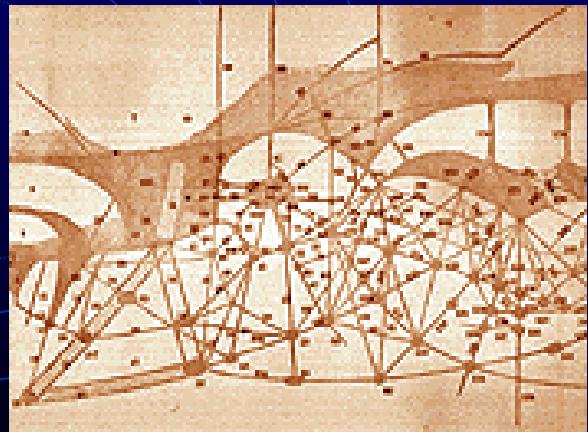
火星人幾乎成了外星人代名詞



- 1877年，義大利天文學家史基帕洛里 (Schiaparelli) 在良好觀測條件下注意到火星表面有條狀結構，乃記載 *canali*，義文主要乃條狀結構之意，相當於英文 *channel*，但譯成英文時卻被譯為較不常用的 *canal*。
- 這造成了歷史事件，因為 *channel* 形容自然界的東西，而 *canal* 則是人工運河！由於史基帕洛里是受人尊崇的科學家，因此他發現的「火星運河」甚受矚目，在全球報紙刊載，終而引發火星人風潮



- 洛吾爾 在火星研究以及所衍生出有關火星人歷史故事方面，無人能出其右
- 他自設天文台觀測火星，發現條狀結構顏色、大小隨季節而變，因為科學研究顯示火星的萬有引力不足以抓住厚重的大氣層，因此表面不會有大量液態水，進而發展出「灌溉系統」理論

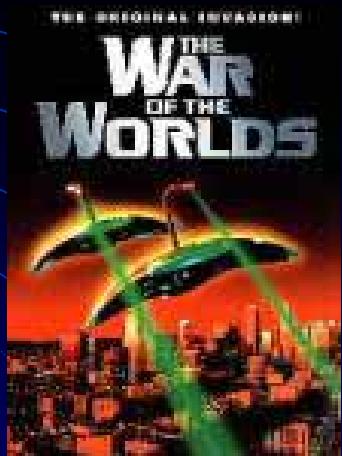


- 1898年威爾斯 (H. G. Wells) 的科幻著作 “*War of the Worlds*” , 以及1912年美國小說家巴洛斯 (Edgar Rice Burroughs) 融入洛吾爾想法 , 寫成系列科幻小說 “*Under the Moons of Mars*” , 描寫主角 John Carter 前往火星 (當地人稱火星為 *Barsoom*) 的冒險故事 (「泰山」也是他寫的)
- 綠色的火星人擁有高度智慧、呼吸氧氣、居住在乾燥的海床 (科學事實) 、飲用的水則來自洛吾爾所描述的火星表面運河系統 (根據科學研究的結果) , 居住在環境惡劣的火星人很自然想要侵略地球奪取資源
- 在羅馬神話裡火星 Mars 原就是戰神 , 這樣的劇情構成引人入勝又具說服力的作品要件

- 火星人傳說在1938年10月30日當年「萬聖節」達到高峰
- 當夜由威勒斯 (Orson Welles, 1915-1985) 在紐約市現場播出改編自威爾斯的「星際大戰」
“The War of the Worlds”
 的廣播劇，故事是火星人登陸美國紐澤西州
- 由於劇情逼真，造成紐約與紐澤西地區民眾恐慌，競相出走



相不相信，只要報紙有登，第二天必定會有人砍雞頭，發誓前一天在街上的確看到綠色的外星人？



- 1965 年「水手四號」(Mariner 4) 照片傳回，之後還有系列 Mariner 任務，都未看到火星人
- 1976 兩架 Viking Orbiters：找微生物，也找大型生物；相機拍了一年
→ 都未看到運河，或是所宣稱的綠色農作物
- 可能的解釋是人類視覺易把點連成線，以及在明亮紅色旁邊的灰色區域會產生呈現藍綠色的錯覺

科學家一樣犯錯，有名的科學家犯
歷史上有名的錯誤！

連江湖郎中都必須讀書 → 騙術 + 真實

■ 1993 年「火星觀測號」(Mars Observer)
失蹤！（離奇嗎？）

■ 1996 年宣佈發現疑似原始單細胞生物

■ 2002 年發現可能有大量地下水

■ 未來十年登陸火星？有多難？

→ 對火星的科學探討從未曾歇息

最近前往火星的任務

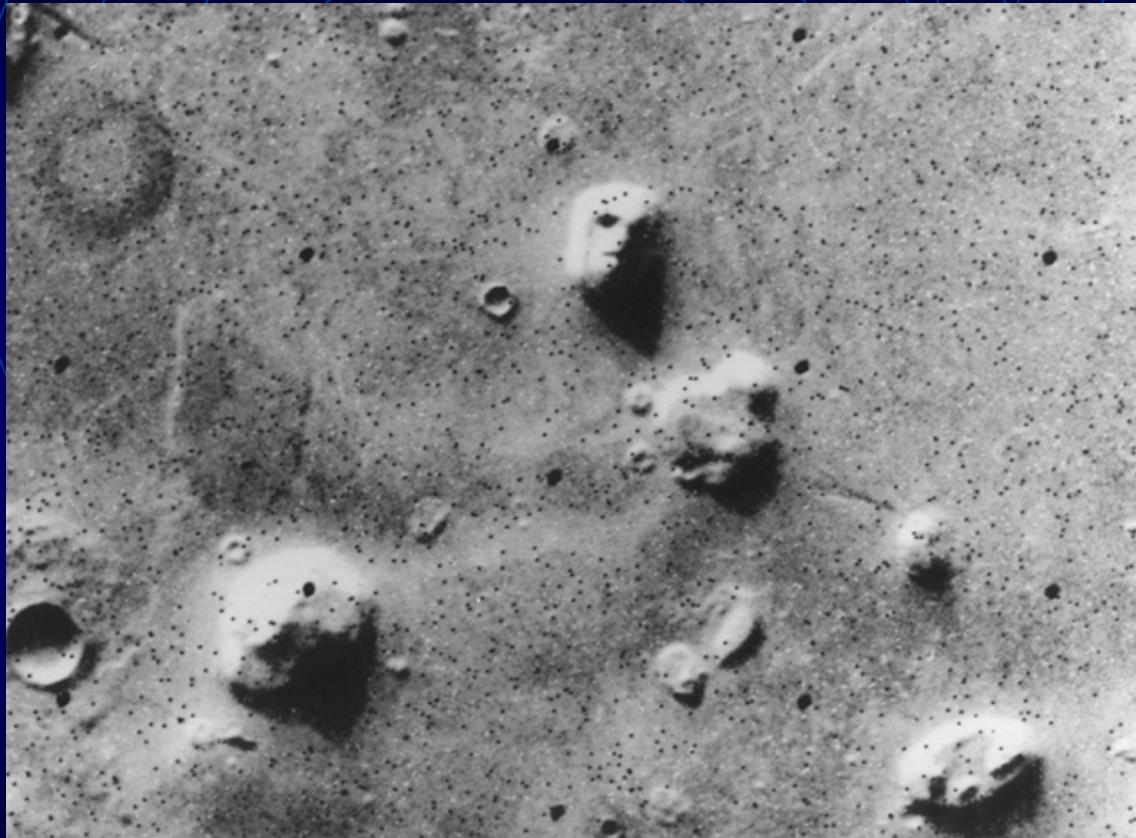
- 1993 Mars Observer (失敗)
- 1997 Mars Pathfinder
Mars Global Surveyor
- 1999 Mars Climate Orbiter (失敗)
Mars Polar Lander (失敗)
- 2001 Mars Odyssey (每26個月一批)
- (2003 Rosetta, Mars Surveyor 2003, Mars Express)
- 未來 **2005 - Mars Reconnaissance Orbiter**



火星任務 <http://www.seds.org/~spider/mars/mars.html>

火星簡介 <http://www.astro.ncu.edu.tw/ast101/mars.htm>

火星上的「人面石」？



Scientists view haunting pictures sent from the dying planet

Stone face on Mars beams TV warning to Earth

By RAGAN DUNN

A gigantic stone face on the surface of Mars houses a TV transmitter that has been signaling Earth for at least 500,000 years.

That is the claim of Swiss astronomer Louis Pache, who says the antenna on the face of Mars signal presents a warning to the people of Earth.

He says that Soviet and American scientists have been monitoring the funny shaped rock formation for more than two years, and that it has been 50,000 worth of clear, undistorted pictures on videotape.

He adds, "It is a warning to all the reporters in the world."

"It is a warning to all the

millions of weetbed

men dying in the streets. It

is a warning to all the

old beamed to a neighbor-

ing nation. We must take

care of our world."

The suggested that the

soot had been driven with

hunger and thirst. It

is a warning to all the

old beamed to a neighbor-

ing nation. We must take

care of our world."

He says that of a human,

with eyes,

and record the Martian trans-

mitter, he said. "The

soot has been sent to a

long-dead civilization. Scientists who have

been studying the pictures beamed from

the gigantic face see they were made by a race

bartering a deadly plague.

MILES-LONG monument, center of photo, has been sending the Earth stark images of a long-dead civilization. Scientists who have been studying the pictures beamed from the gigantic face see they were made by a race bartering a deadly plague.

is a horrifying thing to see." That of a human, with eyes, and record the Martian trans-
mitter, he said. "The soot has been sent to a long-dead civilization. Scientists who have been studying the pictures beamed from the gigantic face see they were made by a race bartering a deadly plague.

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CREEPS KICK BLIND DAD TO DEATH

By DICK DONOVAN

Santa Cruz 38-year-old father of two Ernie King was

stabbed and kicked to death by four cowardly brutes who

didn't give a licker's damn that their helpless victim was

dead and blind.

King was hitchhiking to his home in Santa Cruz, Calif., after

drinking heavily when he was

stabbed.

He was admitted to the

University of California Medical Hospital.

A ravaging infection

described the four killers as "mountain

men types."

His studies at San Jose State University when the savage thugs attacked him.

King, who suffered multiple skull fractures, was pronounced dead at 10:30 p.m. at the University of California Medical Hospital.

A ravaging infection

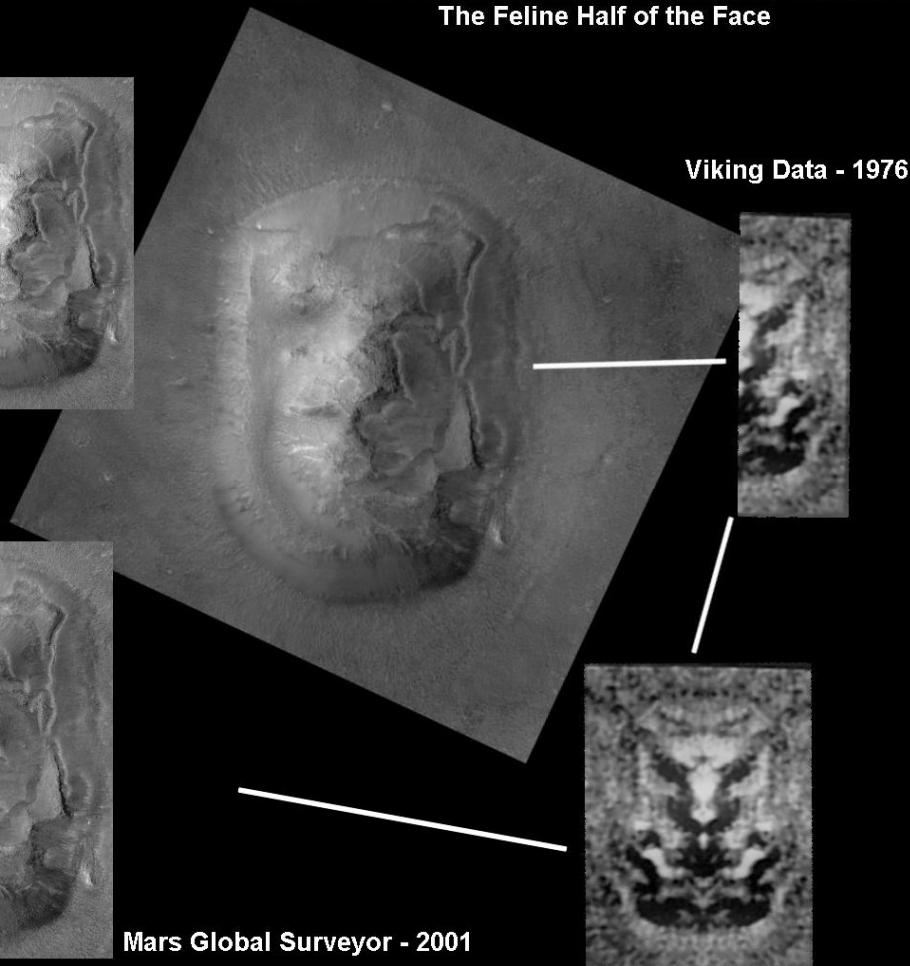
described the four killers as "mountain

men types."

1976年「海盜號」(Viking)拍攝到的火星地景。匪夷所思吧？

Cydonia City?

A Near Decade Old Prediction Sucessfully Confirmed--
The Feline Half of the Face



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是 Cydonia 地區的地形陰影？



左邊這張是 Viking 所拍攝有關「人面石」的最佳影像

右邊兩張（相反色差）是 Mars Global Surveyor 上的 Mars Orbiter Camera (MOC) 於1998年4月所拍攝的照片

還是火星人笑不出來了？

後來又看了 . . .



1976 Viking

1998 MOC

2001 MOC

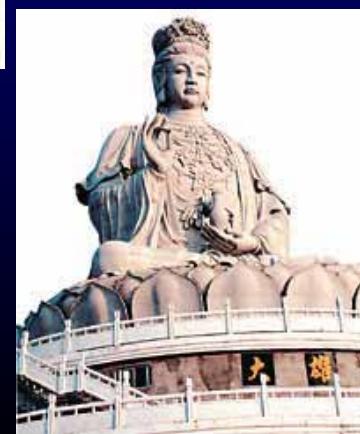
想看看火星上其他的臉嗎？ . . .

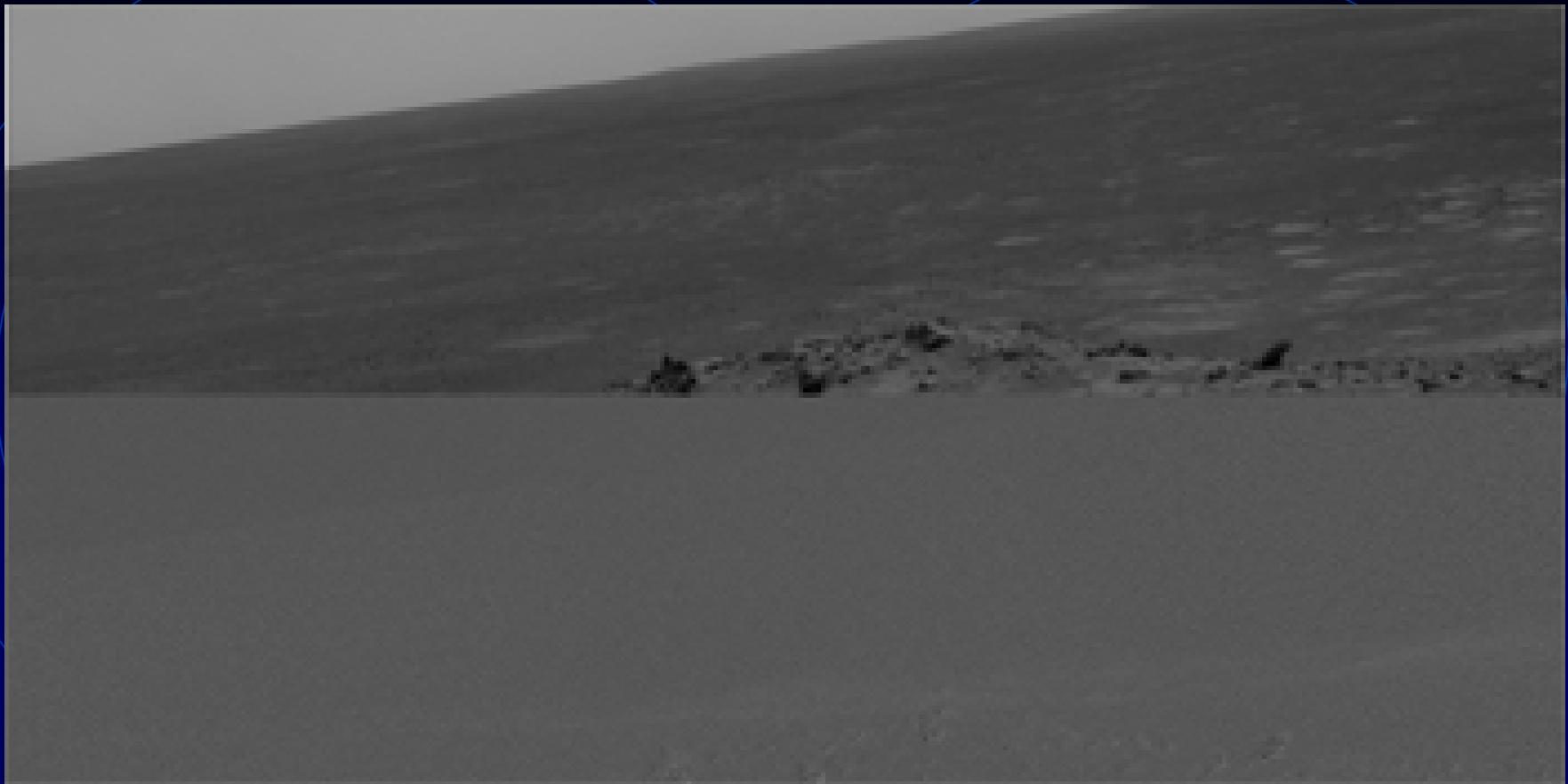


是火星人特愛「面子」？
還是...我們看得太清楚？



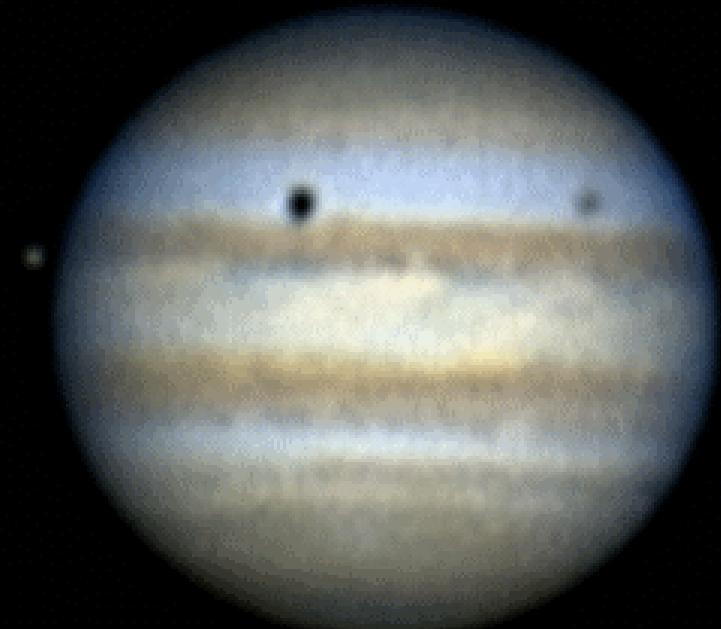
李雙澤先生所繪「觀音山」





靈異塵暴？Mars Exploration Rover
Spirit 號 2005年4月15日在 Gusev
隕石坑所拍攝





木星人？

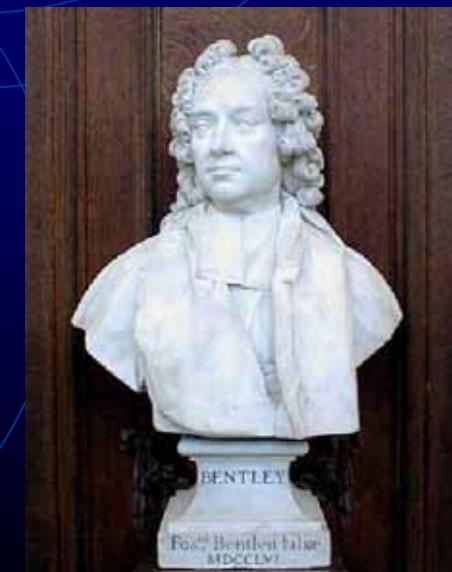
Kepler 認爲伽利略用望遠鏡看到月面隕石坑是當地居民所建造；伽利略所發現的四個木星衛星則是 God 爲當地居民而造

“Our Moon exists for us on Earth, not the other globes. Those four little moons exist for Jupiter, not for us. Each planet in turn, together with its occupants, is served by its own satellites. From this line of reasoning we deduce with the highest degree of probability that Jupiter is inhabited.”



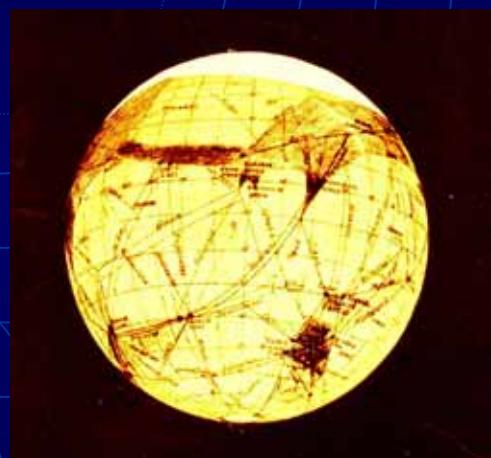
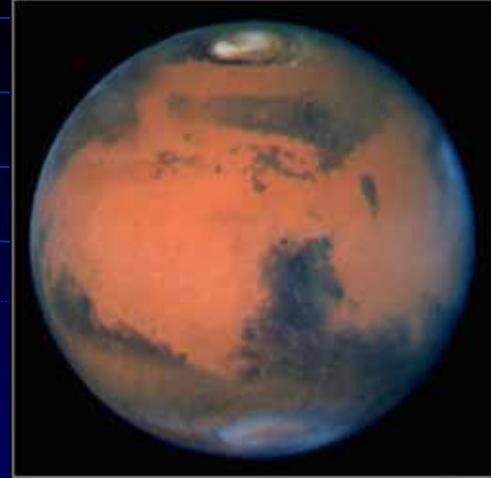
- Sir Isaac Newton (1642 England ~ 1727) 運動定律；萬有引力
→ Richard Bentley (1662~1742) of England

“God would not have made so many stars, most of which are invisible from Earth with the unaided eye, for the purpose of man. Consequently they must exist for the benefit of their own nearby inhabitants.”



Jonathan Swift in *Gulliver's Travels* (published in 1726/7):

“They have likewise discovered two lesser Stars, or Satellites, which revolve about Mars; whereof the innermost is distant from the Center of the primary planet exactly three of his diameters, and the outermost five; and the former revolves in the space of ten hours, and the latter in twenty-one and an half...”

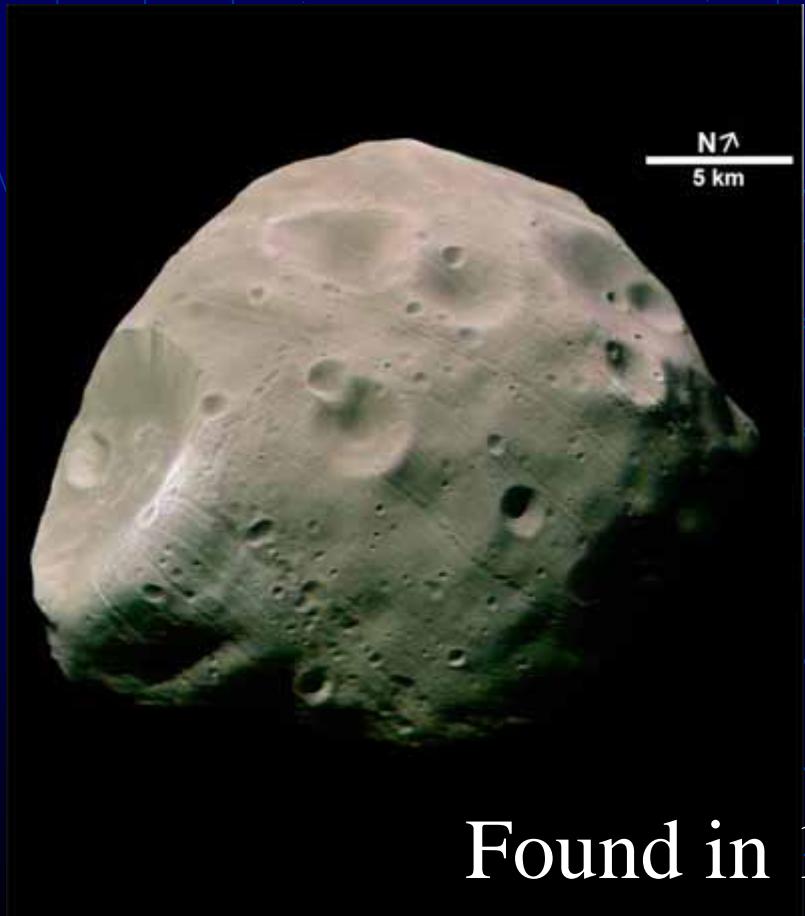


目前知道火星的兩顆（小）衛星

Phobos

22.2 km (27 x 21.6 x 18.8)

0.32 d = 7 h 39 m



Deimos

12.6 km (15 x 12.2 x 11)

1.26 d = 30 h 18 m



Found in 1877 by Hall