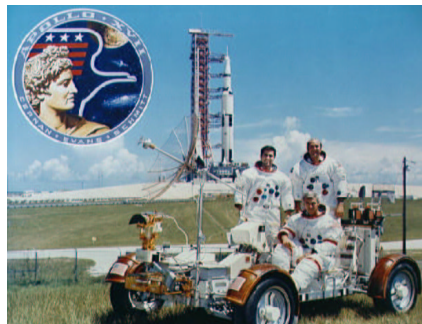


***Apollo 17  
Astronaut  
DR HARRISON  
SCHMITT***

*Last Man on the Moon  
and the only Scientist to  
do so...*

*30 Years On:  
Austrian Tour  
7 – 21 July, 2002*



## CURRENT MAJOR SPONSORS

***YOUR ORGANISATION?***



**LATROBE UNIVERSITY**  
**AUSTRALIA**

**THE AUSTRALIAN INSTITUTE OF PHYSICS**



## THE TOUR AT A GLANCE

Apollo 17 astronaut, Dr Harrison Schmitt, will tour Australia in July 2002 as part of an initiative to promote the past, present and future of space exploration, helping focus attention on the potential for greater Australian participation. Dr Schmitt, who has a Ph.D. in geology and has served as a US Senator, holds the unique distinction of being the only career scientist to have set foot on the moon.

Mars Society Australia (MSA) is co-ordinating this non-profit tour. Dr Schmitt will speak on his unique experiences as a lunar explorer, geologist, politician, businessman and academic; expressing views on the importance of education, science, technology and space exploration to the future of Australia. An ABC televised address from the National Press Club has been confirmed for Thursday 11 July.

Your organisation can secure a private engagement with Dr Schmitt or facilitate a public event by contributing to the \$60,000 tour target. This venture is strictly not-for-profit.

Our goals are to

- Bring together visionary organisations to provide young Australians in particular with a rare opportunity to draw knowledge and inspiration from a living legend of the space age, a man with a unique range of experiences and insights,
- To emphasise the critical importance of space and high technology to our future and the imperatives for Australia to become an active participant in these endeavours,
- To remind the Australian public that it has been 30 years since any human travelled beyond low earth orbit, and encourage them to dream of a space future.



## MARS SOCIETY AUSTRALIA



Mars Society Australia (MSA) was incorporated in 2001 and is affiliated with The Mars Society, established in 1997 and based in Colorado, USA. The Mars Society has raised US\$1 million to fabricate, deploy and operate a series of human Mars mission simulation platforms around the world.



Arctic Mars Research Station (MARS) on the remote Canadian Arctic Devon Island



Mars Desert Research Station (MDRS) in desolate Southern Utah

MSA has initiated its own technical programme of research. It recently completed the AU\$20,000 Jarntimarra-1 Expedition to scout for a location for a Mars Australian Research Station (Mars-Oz) to assist in the design of future human Mars missions and to make Mars more real for more people.





## AUSTRALIAN AND SPACE

Australia is well placed to take on a leading role in space development. Space is very important to us, with our reliance on international communications and foreign weather satellites, and vast distances between population centres. Yet other countries spend up to 60 times more per capita on their national space efforts, and in doing so move further ahead technologically every year.

Australia is a wealthy nation that can afford a modest space programme. If space is the future, we cannot afford to remain passive observers and consumers of the efforts of other nations. Space is one of the best ways of motivating our children to seek careers in science and engineering, of fostering high technology industries and of challenging our best and brightest with local opportunities. Space must become a national investment to secure our economic future and halt the brain drain in space related fields.

## 30 YEARS ON

December marks the 30<sup>th</sup> Anniversary of the last manned moon mission, Apollo 17, on which Dr Schmitt was the Lunar Module Pilot. Since that time, no human has ventured beyond Low Earth Orbit. Media interest in the tour is expected to be very high.

Dr Schmitt will tour during July, first attending the international Bioastronomy 2002 Conference in Queensland before giving a televised Telstra Address at the National Press Club in Canberra and opening the Australian Mars Exploration Conference in Sydney. He will then be available in Sydney, Brisbane and Melbourne for several days attending public and private engagements and events.



## DR. HARRISON SCHMITT



[Harrison Schmitt, circa 1968,  
courtesy of *The Space Centre*]

During the Apollo 17 mission in December 1972, Dr Schmitt and fellow crewmember Commander Gene Cernan spent a record 75 hours on the lunar surface. They were the last men to walk on the moon.

During their 3-day lunar odyssey, Schmitt and Cernan set up scientific experiments and navigated to nearby mountains in their lunar buggy, collecting rock and soil samples. Mission controllers operated a television camera mounted on the rover, documenting Schmitt's detailed descriptions of the terrain as they traversed the Taurus-Littrow Valley. They returned to earth with a record 113 kg of lunar material.

Prior to the mission, Dr Schmitt's work in NASA involved developing geological field techniques, training astronauts in basic geology and analysing lunar soil samples.

He was instrumental in providing early Apollo lunar landing flight crews with detailed instruction in lunar navigation, geology, and feature recognition.



Dr Schmitt also worked with NASA scientists in developing scoops, shovels and other equipment to be used on the moon expeditions. He worked in many areas of the Apollo program including hardware development and lunar exploration procedures. He also served as the back-up pilot for the Apollo 15 mission.

After the mission, Dr Schmitt played an active role in documenting the Apollo geologic results and also took on an organisational position in NASA's Energy Program Office. He left NASA in 1975 to serve a six-year term as a United States Senator representing New Mexico. He now consults in business, geology, space, and public policy and holds several commercial board positions. Dr Schmitt is Chair Emeritus of The Annapolis Center (risk assessment evaluation) and is Adjunct Professor at the University of Wisconsin-Madison Department of Engineering where he lectures in Space Resources. He is a founder and the Chairman of Interlune-Intermars Initiative, Inc., advancing the private sector's acquisition of lunar resources and He-3 fusion power and broad clinical use of medical isotopes produced by fusion-related processes.

Dr Schmitt's experience and insight are highly respected within the US and in the international aerospace community.



## **SPONSORSHIP OPPORTUNITY**

Your organisation can sponsor the whole tour, part of the tour, or an event. Dr Schmitt may be available to speak at a private function or a public lecture.

Total tour cost is AU\$60,000, including transport, accommodation, and Dr Schmitt's appearance fee. The tour is being organised on a not-for-profit basis, with a number of school visits already planned.

A preliminary itinerary has been provided below.



## TOUR OUTCOMES

The 2002 Harrison Schmitt Tour will

- Excite young people to consider careers in science, engineering and technical fields,
- Capture the imagination of a broad cross section of the Australian community, and provide exposure for tour sponsors,
- Provide a highly respected perspective on the current state of international space activity, and its future,
- Emphasise the value of space as a driver of science and technology advancement with major economic benefits for Australia, and as a motivator for our children.
- Raise awareness of current Australian space projects and capabilities,
- Emphasise links between our space future and those areas in which Australia already excels, including mining, space science, astronomy, and remote sensing,
- Bring together a wide cross section of individuals and organisations to foster a greater awareness of Australia's technological capabilities and aspirations.
- Emphasise the need for a forward thinking national space programme,





## TOUR SCHEDULE

Date	Location	Status	Activities
Sun 7 Jul	Arrive, Hamilton Island, QLD	Confirmed	Bioastronomy 2002 Conference
Mon 8 Jul	Hamilton Island, QLD	Confirmed	Bioastronomy 2002 Conference
Tue 9 Jul	Hamilton Island, QLD	Confirmed	Bioastronomy 2002 Conference
Wed 10 Jul	Fly to Sydney	To Be Confirmed	Day: Aust. Inst. Physics Congress Night: Public Lecture, University of Sydney
Thr 11 Jul	Fly to Canberra, back to Sydney	Confirmed	Morning: Triple J Interview Day: National Press Club Address
Fri 12 Jul	Sydney	Confirmed	Day: FREE Night: MSA Dinner
Sat 13 Jul	Sydney	Confirmed	Morning: Aust. Mars Exploration Conference Day: FREE Night: FREE
Sun 14 Jul	Sydney	Confirmed	No Engagements
Mon 15 Jul	Fly to Brisbane	TBC	Day: FREE Night: Public Lecture
Tue 16 Jul	Brisbane	TBC	Day: FREE Night: FREE
Wed 17 Jul	Fly to Melbourne	TBC	Day: FREE Night: FREE
Thr 18 Jul	Melbourne	TBC	Day: La Trobe University Night: Public Lecture, La Trobe University
Fri 19 Jul	Melbourne	TBC	Day: Strathmore High School Space Centre Night: Dinner at La Trobe University
Sat 20 Jul	Melbourne	TBC	Day: FREE Night: FREE
Sun 21 Jul	Fly to LAX	TBC	Transit

Correct as at 21 Mar 2002

## ***Contact Details***

To support this tour, please contact:

Jennifer Laing  
MSA PR Director  
Ph 0417 135 113  
Fax 03 9802 4202  
email: [pr@marssociety.org.au](mailto:pr@marssociety.org.au)

## ***Further Information***

Further information is available at the following websites:

### **National Press Club**

<http://www.npc.org.au/speak/future.html>

### **Dr Harrison Schmitt**

Dr Schmitt was featured in the BBC series "Planets":

[http://www.bbc.co.uk/science/space/spaceguide/planets\\_prog/index.shtml](http://www.bbc.co.uk/science/space/spaceguide/planets_prog/index.shtml)

Other sites:

<http://www.astronauts.org/astronauts/schmitt.htm>

<http://www.nss.org/about/bios/schmitt.html>

[http://www.engr.wisc.edu/ep/faculty/schmitt\\_harrison.html](http://www.engr.wisc.edu/ep/faculty/schmitt_harrison.html)

Images:

<http://trdc.phys.utk.edu/Images/Dr.%20Harrison%20Schmitt%20Apollo%2017/>

*All pictures in this document are courtesy of NASA, except where indicated.*

*This document was prepared by Jason Hoogland and Jennifer Laing in March 2002.*

2002 Harrison Schmitt Tour

# ***FAXBACK FORM***

**To:** Jennifer Laing

**Fax:** (03) 9802 4202

**From:**

**Date:**

**Re:** Participation in Tour

**Pages:**

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