

Australia 2019

big dishes

W1GHZ





HAZC



CANBERRA DEEP SPACE COMMUNICATION COMPLEX

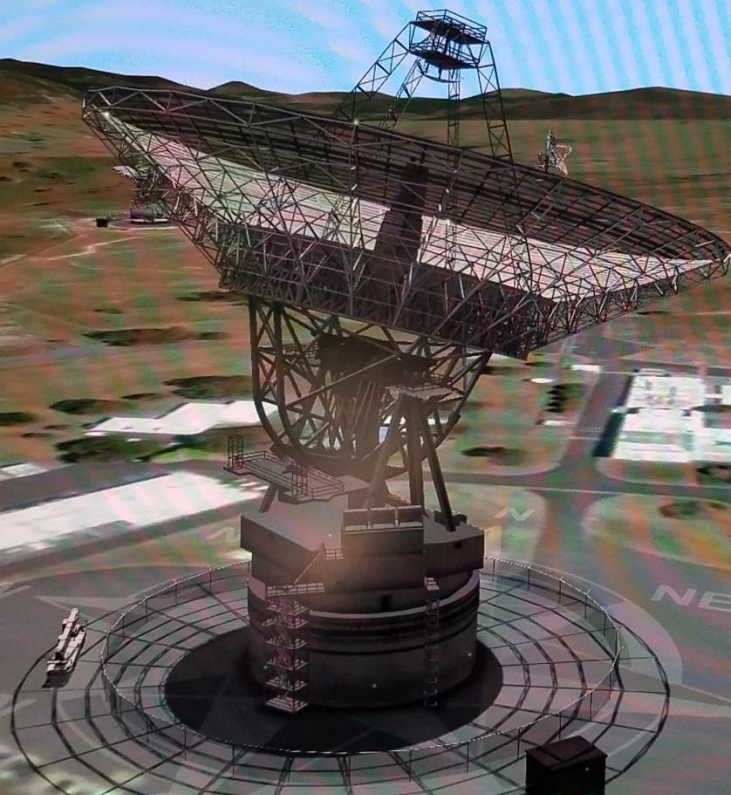
Managed in Australia on NASA's behalf by CSIRO





CE
ORK

of Robotic Spacecraft
across the Solar System.



CANBERRA 43

WIND SPEED 23.46 km/hr

STATUS	MODE
Online	MSPA DDOR Arra

AZIMUTH	ELEVATION
31.370 deg	72.940 deg

SPACECRAFT
New Horizons

RANGE
6.622 billion km

ROUND TRIP LIGHT TIME
12 hour(s) 16.17 minute(s)

DOWN SIGNAL	
NHPC	Source
Data	Signal Type
8.44 GHz	Frequency
-148.35 dBm	Power
1.06 kb/sec	Data Rate



'The Dish' at Parkes

Contrary to popular belief, the radio telescope located at Parkes in New South Wales - better known as '*The Dish*' - was not the dish to return the very first images of Neil Armstrong walking on the Moon. That honour goes to the 26-metre dish originally located at Honeysuckle Creek in the A.C.T., and now relocated to this Complex.

The Parkes dish (*image right*) came online later into the television broadcast. The movie '*The Dish*' popularised the previous view and created many other myths (eg: *they never played cricket on it!*).

The real story of the Parkes Radio Telescope is that it remains one of the finest and busiest *radio astronomy* research facilities on Earth.

Hundreds of radio astronomers from around the world use its 64-metre wide dish to peer into the heart of our galaxy and make observations of distant interstellar objects across the Universe.





Parkes Observing Schedule

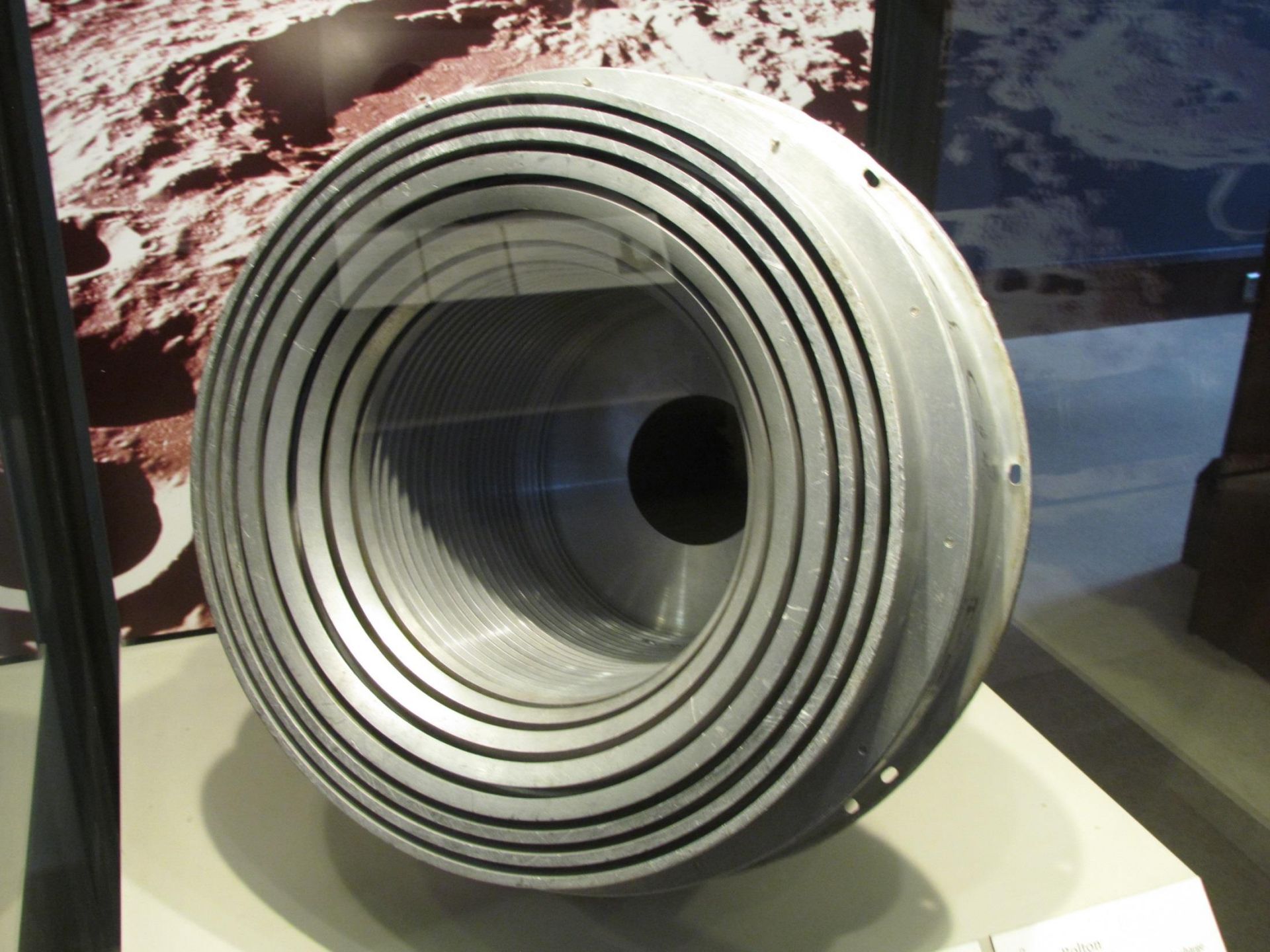
		19:30 - 22:30	P974 Dark gas content in a high-latitude translucent cloud	Dawson
		22:30 - 24:00	Director's Time	
22 Dec	Sat	00:00 - 02:30	Director's Time	Krishnan
		02:30 - 08:30	P971 al dynamics and the intra-binary medium of PSR J1141-6545	
		08:30 - 19:30	NASA Voyager	
		19:30 - 22:30	P974 Dark gas content in a high-latitude translucent cloud	Dawson
		22:30 - 24:00	PX501 FAST: category 2 purchased time	Li
23 Dec	Sun	00:00 - 08:30	PX501 FAST: category 2 purchased time	Li
		08:30 - 19:30	NASA Voyager	
		19:30 - 23:00	P958 Searching for repetition from ASKAP fast radio bursts	Shannon
		23:00 - 24:00	Director's Time	
24 Dec	Mon	00:00 - 05:00	Director's Time	
		05:00 - 08:30	P958 Searching for repetition from ASKAP fast radio bursts	Shannon
		08:30 - 24:00	NASA Voyager	
25 Dec	Tue	00:00 - 24:00	NASA Voyager	
26 Dec	Wed	00:00 - 19:00	NASA Voyager	
		19:00 - 24:00	P456 A millisecond pulsar timing array	Hobbs
27 Dec	Thu	00:00 - 02:00	P456 A millisecond pulsar timing array(Hobbs)	
		02:00 - 08:00	P971 al dynamics and the intra-binary medium of PSR J1141-6545	Krishnan
		08:00 - 19:00	NASA Voyager	
		19:00 - 24:00	PX500 FAST: category 1 purchased time	Li
28 Dec	Fri	00:00 - 08:00	PX500 FAST: category 1 purchased time	Li
		08:00 - 19:00	NASA Voyager	
		19:00 - 24:00	Breakthrough Listen	
29 Dec	Sat	00:00 - 08:00	Breakthrough Listen	
		08:00 - 19:00	NASA Voyager	
		19:00 - 24:00	P456 A millisecond pulsar timing array	Hobbs

Apollo feedhorn

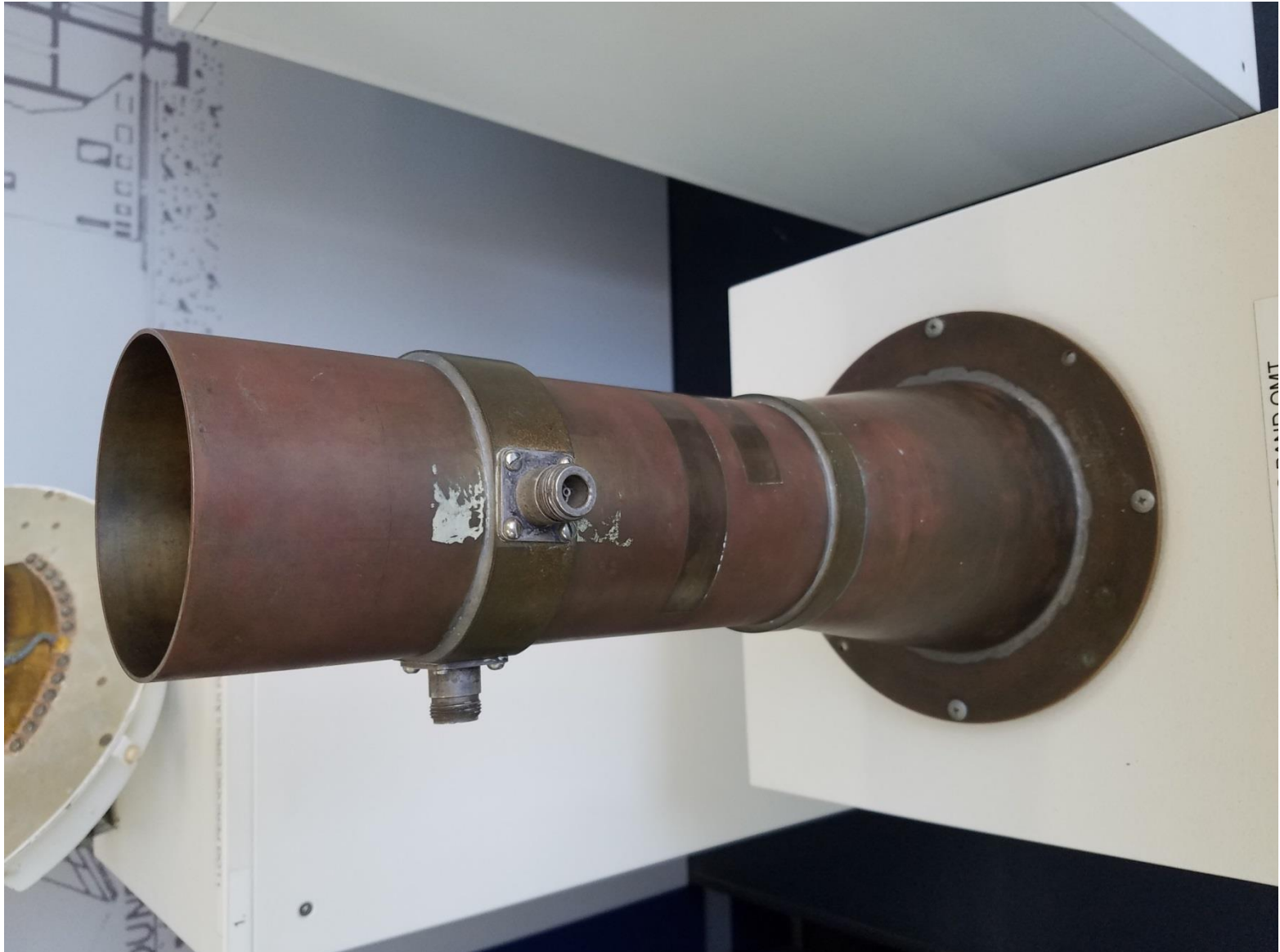
FIRST TV PICTURES FROM THE MOON

In a radio telescope the dish focuses radio signals into a feedhorn. The feedhorn then converts the radio signals into electrical ones. In July 1969 this feedhorn received the first TV signals from the moon.

The TV pictures showed Neil Armstrong and Buzz Aldrin walking on the moon. From Parkes, NASA technicians relayed the pictures of this historic event around the world.



Early Feed



Newton's Apple Tree



Parques Elvis Festival

A committee was formed in 1992 and the first Festival was staged in January 1993.

The Festival is held in the second weekend of January each year with many Elvis inspired events and activities.

Each year an Australian entertainer is honoured on the Elvis Wall of Fame for their contribution to the Australian music industry.

Visit the Parkes Visitor Information Centre for more information

THE ELVIS REVIVAL'S
AUSTRALIAN ROCK 'N' ROLL WALL OF HONOUR
OPENED BY HIS WORSHIP THE MAYOR OF PARKES SHIRE
Cn. ROBERT WILSON ON SATURDAY 7TH JANUARY 1995



Fire Danger Today



NO FIRES WITHOUT A PERMIT

Rex VK7MO 10 GHz EME



Visual Aiming



Roo catcher



Rex's Wallabee

