**NEWS** 19

# Spacecraft takes unique Saturn shots in final months THE SURFACE OF SATURN

### MARK DUNN

AUSTRALIA'S deep space antenna dishes were among the first to receive unique close-up images of Saturn last night, as NASA's Cassini spacecraft hurtles beneath the giant planet's rings and toxic cloud cover.

toxic cloud cover.
Travelling at more than
110,000kmh. Cassini began its
dive through Saturn's stormy
2400km-wide ring gap at 7pm
on Wednesday.
But scientists had to wait
until late yesterday to receive
confirmation and data from
the space probe, working
13 billion km from Earth.
Over the next five months,

1.3 billion km from Earth.

Over the next five months,
Cassini will attempt 22 passes
between the planet and its in-

### WINDING UP TO THE GRAND FINALE

5current passes 2400 km gap 22 inner between 22 orbits

nermost ring to assess Sat-urn's atmosphere, before a "grand finale" September 15 nosedive into the huge gas planet as it runs out of fuel. The antenna dishes at the CSIRO-managed Canberra Deep Space Communication Complex have been a key installation for sending and receiving data and flight con-trol for Cassini since lift-off in 1997 and across its seven-year 1997 and across its seven-year journey to Saturn, the second-largest planet in our solar system.

NASA operations support

NASA operations support officer Glen Nagle said. "The Canberra complex has also performed unique experiments which use the power and sensitivity of the antenna dishes to detect signals which scientists use to probe the lakes on the surface of Titan (one of the planet's 53 to 62 moons) or investigate Saturn's rings." um's rings.

The spacecraft, with its 12 superhuman sensors which "survey, sniff, analyse" and collect electromagnetic data,

used its own antenna dish as a

used its own antenna dish as a protective shield during the rings dive.

"Assuming it survived this first passage. Cassini was programmed to 'phone home' 20 hours later,' Mr Nagle said." It would then start transmitting the data it collected during the close encounter with the planet and its inner rings back to Earth, with the Canberra station receiving some of the first high-resolution images."

After 20 years in space, the

odyssey as it skirts Saturn's atmosphere aim to give a clearer picture of the volatile clearer picture of the volatile cloud structure, learn more about the planet's mass of rings and provide clues as to the planet's structure and whether it has a solid core. "Now nearly depleted of fuel, Cassini will take the final plunge in September, ending its life as a shooting star in the atmosphere of this amazing planet," Mr Nagle said.

"The Canberra Deep Space Communication Complex will be there once again, taking in the final moments and science collected by the

and science collected by the Cassini spacecraft, right up until its last breath of data."

# **Kidnap** caught

WAYNE FLOWER

A MAN captured on CCTV dragging his pregnant ex-girl-friend out of a petrol station by her hair has been described as an "ice zombie" by a magis-

But Chris Josevski's lawyer, George Balot, says his client insists he's not a user of the deadly drug.

"He suffers from ADHD hence the extreme hyperactive reaction." Mr Balot said.

The 24 year old is accused of throwing his victim down in a Dernimut service station on February 23 and drasogine her

a Derrimut service station on February 23 and dragging her by the hair into his car. He yesterday abandoned an application for bail and has spent the past six weeks in jail on charges of kidnap, unlawful imprisonment, possessing can-nabis and unlawful assault. Magistrate John Bentley, who initially bailed Mr Josevski before he was rearreste-ski before he was rearreste-

ski before he was rearrested and jailed again, said he was shocked at the alleged thug's

"He looked like something out of The Walking Dead," he

said.
Mr Bentley said his behav-iour was a "telltale" sign that someone was using illicit drugs.
The court heard Mr Josev-

ski spat in the face of a journal-ist on being released on bail and was suspected of further gun offences.

gun offences.

Mr Balot said his client attacked his 23-year-old victim
after she allegedly told him she
was pregnant to another man.
He also said Mr Josevski
wished to apologise to his expartner for his actions in the
service station.

Mr Balot told the court he
hoped the matter could be resolved when it returned to
court next month.

## LONG-RANGE MISSILE TEST

THE US military has launched an unarmed intercontinental balistic missile from California in a test of a weapon system that forms part of its nuclear force. The Minuteman 3 missile blasted off from Vandenberg air force Base, delivering a single resently which to a

single re-entry vehicle to a target some 6759km away in

the Pacific Ocean.
The timing of the launch
comes amid growing tension
with North Korea.

