

AUGUST 27- SEPTEMBER 2, 2023

# SUNDAY POST

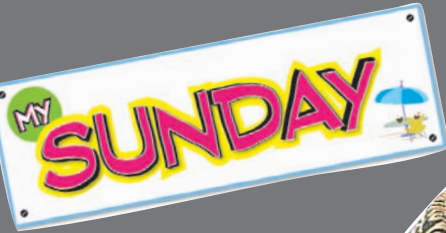
HERE . NOW



# SIBLING SYNERGY

P 3,4  
COVER  
STORY





MUSIC COMPOSER AND SINGER BIJAY ANAND SAHU, WHO EMBARKED ON HIS MUSICAL JOURNEY IN 2016, HAS A DREAM TO TAKE THE SAMBALPURI SONGS TO GLOBAL LEVEL. HIS LATEST SUPERHIT TRACK ALTA MAKHI IS ONE MORE STEP IN THAT DIRECTION. WHEN HE HAS TIME, THE NUAPADA-BORN MUSICIAN LOVES HANGING OUT AT LOCAL TOURIST DESTINATIONS



### Immersed in music

Every day, I find myself in my studio, surrounded by my musical instruments, creating new melodies and songs. Sundays are no different.



### Fam time

I devote some of my time away from work to spending time with my family. I engage in meaningful conversations with my loved ones, and occasionally, a few others also join us for these discussions.

### Non-veg lover

What I like best is eating non-vegetarian stuff like chicken curry and eggs. In addition, I enjoy indulging in Dairy Milk chocolate as a delectable treat.

### Travel fanatic

Travelling is enlightening for me. I've been to Assam several times. Apart from that, I've visited Delhi and several other cities. So, when I get a break from work on Sundays, I like to visit around local tourist destinations.



In his studio

MADHUSMITA SAHU, OP

## WhatsApp This Week

Only on Sunday POST!

Send in your most interesting WhatsApp messages and memes at: features.orissapost@gmail.com And we will publish the best ones

THE BEST MEMES OF THIS ISSUE

- Why didn't the man report his stolen credit card? The thief was spending less than his wife.
- Why doesn't the bike stand by itself? Because it's two tired.
- Laughing stock: cattle with a sense of humor.
- What do you call a priest that becomes a lawyer? A father in law.



## CONTENT MATTERS

Sir, Kay Kay Menon is one of the finest actors the film industry has ever produced. And when he complains that the big movies lack decent content, he means it. Given the recent success of high-budget Bollywood films, I believe the so-called big filmmakers may have taken things for granted. To make matters worse, the nepotism claims haven't helped the already-struggling film business. On the other side, streaming services have provided many actors with opportunity to display their talents. Gone are the days when only the good looking guys made it great in business. Actors like Aparichit Khurrana, Abhishek Banerjee, Rajkumar Rao, Nawazuddin Siddiqui, and many others have cemented their place despite their odd features. So it's time for the bigwigs to pull their socks up and get down to real work.

GUDU SINGH, ROURKELA

## LETTERS



### A WORD FOR READERS

Sunday POST is serving a platter of delectable fare every week, or so we hope. We want readers to interact with us. Feel free to send in your opinions, queries, comments and contributions to

features.orissapost@gmail.com B-15, Industrial Estate, Rasulgarh, Bhubaneswar - 751010, Orissa. Phone (0674) 2549982, 2549948



# Sibling Synergy

*Through ages, sisters comprehend their brothers' wishes, just as brothers understand their sisters' aspirations. Regardless of age, sisters have a dependable friend in their brothers, whether older or younger, says renowned poet Susama Misra*

Misra claims that he and his sister Susama are only carrying on the family legacy.

"We were raised in a household where our family members held a deep admiration for literary figures. In our family, my father authored a novel, my grandfather was a children's literature writer, and even my uncle contributed as a writer in the field of science literature. Naturally, they served as our role models. The desire to follow in their footsteps and become accomplished writers ourselves took root early, fueled by the unwavering support of our parents. United by our aspirations, we forged ahead, bolstering each other throughout the years. Following in my wake, my sister also embarked on her literary journey during her college years. Throughout this period, she stood by me, considering me her guiding light, seeking to emulate my approach, and engaging in discussions about literary subjects to refine her own ideas. With the unyielding backing of our family and the strength

proach. Rather than urging each other to outdo the other, we have focused on mutual growth. As her elder brother, I consider it my responsibility to share the books and knowledge I'm familiar with when she expresses an interest in learning more. Our dynamic is centered around guidance and teamwork, rather than rivalry. For instance, when she writes something, I help refine or rephrase it as needed. Our interactions are characterised by cooperation and a joint effort towards improvement," concludes the retired professor.

**Susama Misra**, the author of the poem *Hatha Muthare Swapna*, echoes similar sentiment. Growing up together under the same roof with parental care and guidance, they engage in minor disagreements that are followed by renewed friendship, eventually developing into an enduring 'Best Friend Forever' bond, says Susama about her camaraderie with her brother.

"This sibling connection is deeply embedded in our culture. An example of this is found in the birth of sister Subhadra, between her brothers Lords Balabhadra and Jagannath. Another illustration is the tale of Taapoi and her seven brothers, showcasing sibling love. Since ages, sisters comprehend their brothers' wishes, just as brothers understand their sisters' aspirations. Regardless of age, sisters have a dependable friend in their brothers, whether older or younger."

Speaking about her inclination towards literature, Susama continues: "In alignment with my brother's observation, hailing from a family rooted in literary pursuits, I too developed a liking for poetry. This inclination led me to embark on my writing journey during my college years. Chitta bhai offered unwavering encouragement and valuable inputs for my compositions, including research paper references. He assisted me in refining my work, incorporating fresh elements into my poems to achieve a seamless result."



derived from my sister, our poetry has earned the admiration of others, leading us toward success," says Misra.

Asked if there is any professional rivalry between the two, he says, "Susama and I have never been in a competitive relationship. Unlike in many families where parents encourage siblings to compare their achievements, we have taken a collaborative ap-

lings, combined with their innate rivalry, often becomes the driving force behind their collective success in the same field.

Siblings who share same professions often foster an environment of competition, camaraderie, and collaboration, propelling each other to greater achievements. Celebrity siblings like Kareena and Karishma Kapoor, Hardik and Krunal Pandya, Irfan and Yusuf Pathan and Huma Qureshi and Saqib Saleem are a few cases in point. Through career highs and lows, they exemplify how sibling support outshines even fame itself.

Ahead of Raksha Bandhan festival, **Sunday POST** engaged in insightful conversations with siblings who use their unique relationship as a source of inspiration and unwavering support for each other.

### Susama & Chitta Misra, Odia poets

"From our early days, our paths as poets have been closely linked. Raksha Bandhan symbolises our commitment to safeguard each other's aspirations and virtues. This occasion serves as a prompt to recognize the obligations and roles in shielding and advising our siblings. It's an annual tradition that rejuvenates the sense of being a brother or sister, affirming that there exists someone in the world who cares and safeguards," remarks **Chitta Misra**, the author behind the compilation of Odia poems titled *Mukhasala*.

MADHUSMITA SAHU, OP

**R**aksha Bandhan, a cherished festival in India, celebrates the unique bond between siblings. Beyond the traditional rituals of tying a protective thread and exchanging gifts, it carries a deeper significance that resonates in the professional aspirations of siblings too. It's often seen that siblings not only support and protect each other but also inspire one another to excel, particularly in shared professions. The symbiotic relationship between sib-





brother and a senior in the industry, I have mentored and guided her to deliver her role perfectly in the movies. On the other hand, though I don't expect much from her, she has always been concerned about me."

Acknowledging the role of her brothers, the recipient of the Utkal Sahitya Sanskruti Award says, "I consider myself fortunate to hold the cherished role of being the sister to three siblings - one elder and two younger. Going beyond their professions, they too have explored other creative mediums. Dr. Biswaranjan Misra, the middle brother and a cardiologist, is also a good painter while the youngest amongst us, Manoranjan Misra, a banker, passionately pursues literature, crafting exquisite poems showcased on his blogs. In this familial trio, my elder brother serves as my guiding light in the literary realm, the middle brother embellishes my books with his sketches, and the youngest, a fond admirer, critically evaluates my writings," adds Susama.

"Tying a Rakhi is a symbolic gesture of wishing for the overall well-being of one's brothers. Infused with these heartfelt prayers, the Rakhi undergoes a metamorphosis from a simple thread into an enduring embodiment of a sister's affection and love. Likewise, a brother's gift on this occasion transcends its physical form, representing his unwavering care for his sister. Whether it pertains to matters in my daily life or my literary pursuits, my elder brother consistently stands as a pillar of support. This privilege is one I hold in high regard," signs off Susama wishing all brothers and sisters a joyful Raksha Bandhan festival.

To what extent he has been motivated by



his kid sister? Responding to this, Swaraj says, "Life is all about learning and there are a lot of lessons to be learnt from even a child. It's for nothing that Saisrutee has appeared in so many movies at such an early age. She is patient, sincere and always eager to adjust to changing situations, the traits everyone, regardless of age group, must possess and I'm no exception."

On the importance of the Festival of Thread, he says, "I believe that love and trust aren't wholly dependent on Rakhi, they extend throughout a lifetime. No matter the circumstances, I am committed to being there for her always. Raksha Bandhan serves as a small reminder of the joyful and fortunate relationship between siblings - the most genuine connection," the actor, who looks forward to his upcoming release *Pratha*, says.

For Saisrutee, brother Swaraj is her role model.

"Since he too was a child artiste when he started off in the industry, I can't go past him for drawing inspiration. I look up to him for how he approaches a character and his professionalism. So, it goes without saying that he is a perfect role model for me and many others."

**Luma & Leesha Rath, Fashion bloggers**

It's not always the tie between a brother and sister which helps each other flourish in their careers. Here're two sisters who not only tie Rakhi on each other's wrist during the Thread Festival, they also motivate each other for their mutual growth.

"Raksha Bandhan is a reminder of the unbreakable bond my sister and I share. Our shared profession in lifestyle blogging has led to a wonderful journey of creativity and competition. Leesha and I are two sisters hailing from different generations, with an age gap of eight years between us. The idea to create our blog originated when we desired to document our life's journey encompassing our interests in fashion, fitness, travel, food, lifestyle, and life itself. Despite the generational gap, we lend each other mutual support, drawing the best from both worlds. Our aim is to foster growth and learning together," says Luma, a lifestyle blogger.

Leesha, on the other hand, is of the opinion that their shared objective is powered by the synergy of two minds, driven by intention, love, and unwavering support, leading to accelerated manifestations.

"We feel incredibly fortunate and thankful. As Indians, we deeply embrace and live our culture, finding spiritual significance in every

festival. Take the example of Rakhi Purnima symbolizing fulfillment, commitment, and gratitude. We hold a profound appreciation for being siblings, believing that destiny brought us together for a purpose," she quips.

Reflecting on their childhood, Leesha says, "The innate instinct to protect and unconditionally love our own is ingrained within us, creating a foundation for mutual empowerment.

We serve as each other's first critics, fostering empowerment. We rely on each other for inspiration, resourcefulness, technical expertise, literature, research, and more."

She concludes by saying that, "Unlike a competitive dynamic, our relationship is founded on support and collaboration. We stand by one another during fast-paced moments or when one of us needs to slow down, always striving for harmony."





# 'Women are now in a much better place'

Actress Kajol is exploring a new chapter of her career with a special focus on the digital medium, and her back-to-back outings through web anthology *Lust Stories 2* and web series *The Trail* have fetched her good response.

"I'm happy with the work that I am getting to do in the OTT space and the fact that both my latest projects did well validates it. But, saying that it has in some way liberated me as an artist would be a bit too much. I've been doing good work even otherwise," says the actor, who made her OTT debut with web film *Tribhanga*.

"I love the fact that there are so many more women on set today than what it used to be 25-30 years ago. I'm so happy to see that there is a place for them, and men, in particular, make an effort to ensure that women are comfortable on set. And they do it just like that without any having to push them over. It is a huge step forward. We are in a much better place," says Kajol.

AGENCIES



## Kareena gets nervous over her digital debut

Actress Kareena Kapoor Khan is all set to make her digital debut with a project with Netflix in a crime-thriller directed by Sujoy Ghosh.

Kareena, who will be seen in a gritty role, says after 23 years in Hindi cinema the digital debut feels like a new launch. Kareena said, "I am excited to be coming on Netflix with a very special project. After 23 years, this feels like a new launch and I have the jitters of a new-comer! Audiences will see me in a role I have never played before, with a story that is so unique and thrilling."

She said that the streaming giant has always showcased films from different parts of the world in the most authentic manner, backing artists who love what they do.

Kareena made her acting debut in 2000 in *Refugee*. After which, she was seen in films such as *Asoka*, *Kabhi Khushi Kabhie Gha*, *Chameli*, *Omkar*, *Jab We Met*, *Heroine*, *Udta Punjab*, *3 Idiots*, *Bodyguard* and many others. IANS



## Saba breaks her silence

Actor Hrithik Roshan and Saba Azad have been rumoured to be in a relationship for some time now. The two have also spoken about their affection for each other.

Speaking to an entertainment portal, Saba candidly expressed her views regarding the ongoing discussions about her private life. She acknowledged that the

persistent con-

jecture surrounding anyone's romantic relationships can be disconcerting, yet she underlined her strong commitment to her professional endeavours. Saba proceeded to share her stance on the matter and said, "Would it not get to anybody? It gets to everybody. But I think it's a part of the course. People are just morbidly interested in other peoples' lives, what can we do about it? You just keep your head down and keep working. You just don't let it affect you, you smile and carry on. It's part of the job. The only part of my life that I'm happy to be public about is my work."

Anything else is nobody's business." AGENCIES



## Vivek's unusual approach to stardom

Actor Vivek Oberoi who made his debut in 2002 with Ram Gopal Varma's *Company*, has talked about his struggles, his values and his views on what it means to succeed and fail in Hindi film industry.

Recently, in an interview with Dubai-based podcast AB Talks, Vivek revealed that he had never really taken money from his father and actor Suresh Oberoi, and for his launch into the industry he was determined to make his own way in.

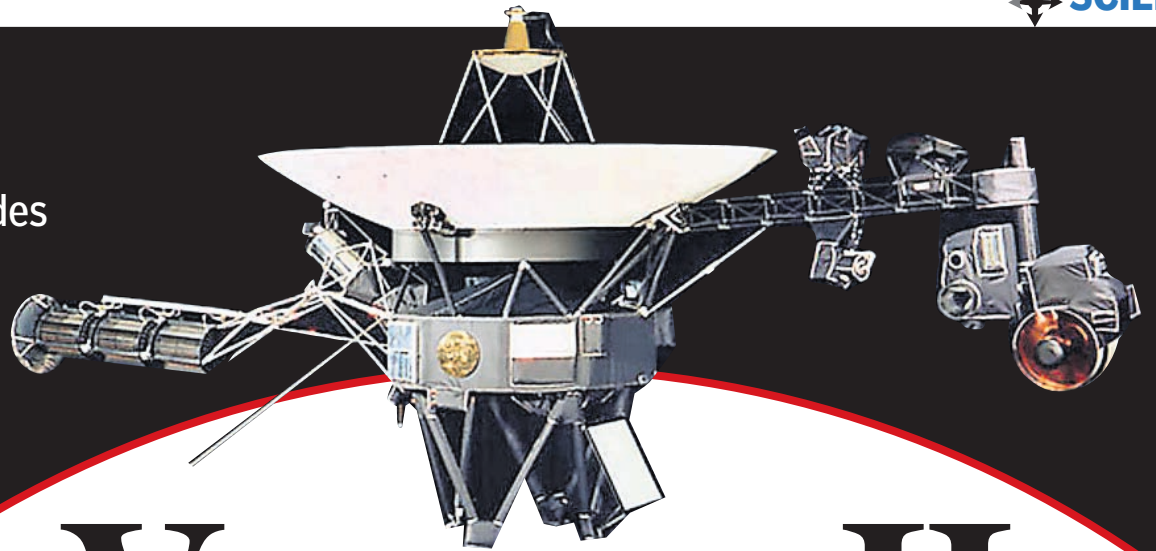
"He had fixed up a producer and there was a script waiting and everything. And

I said no, I just want your prayer and your blessings. You made it on your own talent without borrowing anything, and if I have it in me, I'd like to make my own way in," the 46-year-old actor said.

Vivek said, "When it comes to Bollywood, and not just Bollywood because I think you can apply it to anything. I have seen great heights of success and failures, and something my father told me was, your acting never fails, the attempt does not succeed. If it does not succeed, then move on. The day you really fail as an actor is the day you stop moving on. You can't live so much on your own success because it will make you complacent." IANS



The uncrewed spacecraft has already accomplished its primary mission, which includes visits to the Jovian system in 1979, Saturn in 1981, Uranian in 1986, and Neptunian in 1989. Currently, it's on an extended mission to research interstellar space



# Voyager II

## The planetary pioneer

### OP DESK

While the whole world burst into celebration with the touchdown of India's lunar mission Chandrayaan 3 on moon's South Pole last week, another crucial space mission quietly set a new milestone in its glorious voyage into the deep space.

Just about 72 hours before lander Vikram set its feet on the uncharted territory of Earth's only natural satellite, the Voyager II, an interstellar spacecraft propelled into the space by United States space agency, National Aeronautics and Space Administration (NASA), celebrated the 46th year of its celestial journey August 20.

While the uncrewed spacecraft has already shared countless invaluable inputs that have paved the way for the growth of space science, **Orissa POST** shares a few astounding details associated with the longest running space hardware.

### About the mission

Launched August 20, 1977, Voyager II aimed at studying the outer planets and interstellar space beyond the Sun's heliosphere. It was launched 16 days before its twin, Voyager I, as part of the Voyager programme, following a trajectory that took longer to approach gas giants Jupiter and Saturn but allowed for more contacts with ice giants Uranus and Neptune. The only spacecraft that has visited either of the ice giant planets is Voyager II. It was the third of five spacecraft to reach Solar escape velocity and thereby leave the Solar System.

### Programme's importance

Voyager II is the only spacecraft to study all four of the Solar System's giant planets at close range. It discovered a 14th moon of Jupiter and was the first human-made object to fly past Uranus.

At Uranus, Voyager II discovered 10

new moons and two new rings. The Voyager mission not only transformed our knowledge of Jupiter, Saturn and their dozens of moons, it also gave us our first close-up look at the strange and wondrous planets Uranus and Neptune. Voyager will be remembered as one of the greatest achievements in space exploration.

### Going past the goal

Voyager II accomplished its primary mission, which includes visits to the Jovian system in 1979, Saturn in 1981, Uranian in 1986, and Neptunian in 1989. Currently, the spacecraft is on an extended mission to research interstellar space. As of August 2023, it has left the Sun's heliosphere and is travelling through the interstellar medium, a region of outer space beyond the influence of the Solar System, joining Voyager I, which had reached there in 2012. Voyager II has begun to give the first direct observations of interstellar plasma density and temperature.

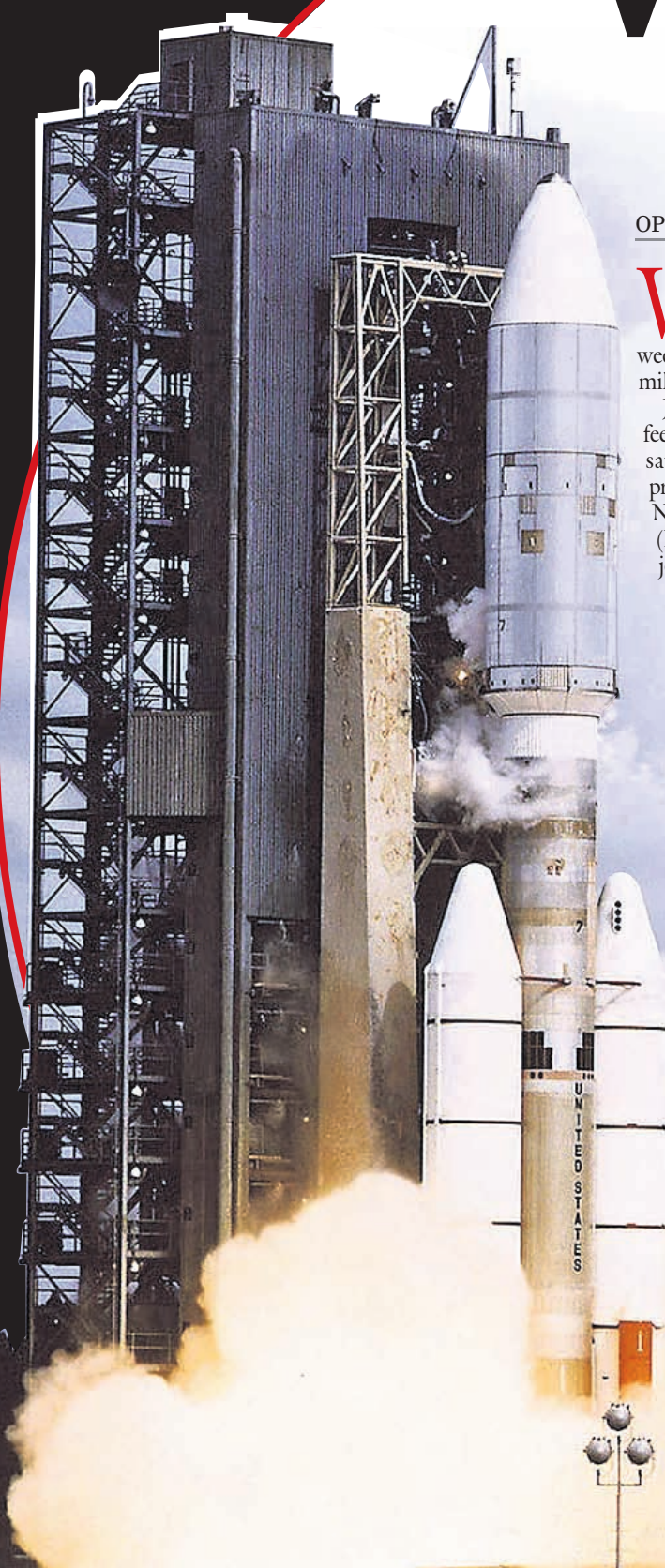
### Key accomplishments

**JUPITER:** During the Jupiter leg of its journey, Voyager II explored the giant planet, its magnetosphere and

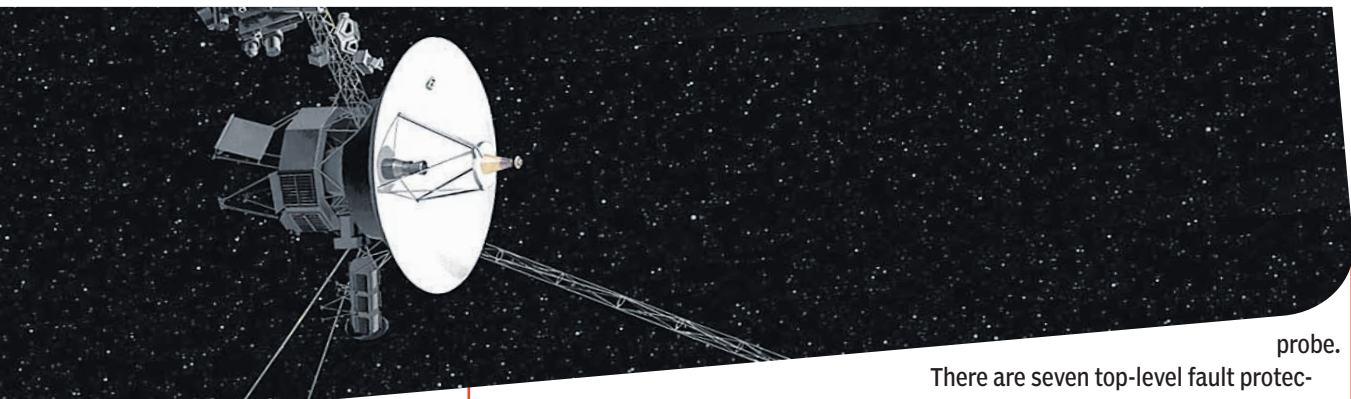


moons in greater detail than had the Pioneer spacecraft that preceded it. Voyager II also used it as a springboard to Saturn, using the gravity-assist technique. It returned spectacular photos of the entire Jovian system, and time-lapse movies made from its images of Jupiter showed how the planet had changed since Voyager I's visit. The images revealed changes in the moon's surface and the persistence of its volcanic eruptions. The spacecraft resolved the streaks Voyager I had shown on Europa into a collection of cracks in a thick and remarkably smooth icy crust. It also discovered a 14th moon and revealed a third component to the planet's rings.

**SATURN:** Voyager II gave the scientists a very close-range look at Saturn and its moons. Voyager II, using its photopolarimeter, an instrument that had failed on Voyager I, was able to observe the planet's rings at much higher resolution and to discover many more ringlets.







## LESSER KNOWN FACTS

**MESSAGES FROM THE SPACECRAFT**  
 Is Voyager II sending us extraterrestrial messages? To that aim, Voyager II carried a Golden Record with a spoken message in 55 languages welcoming any Alien it might encounter in space. There were also natural noises and a selection of classical music from throughout the world on the album, as well as 115 analogue photographs stored.

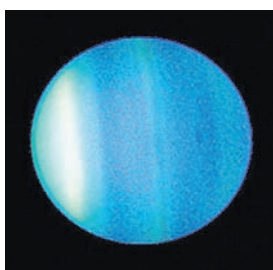
**INFORMATION TRANSFER MODE**  
 All data collected by the spaceship instruments would be stored on eight-track tape recorders before being transmitted back to Earth using a 23-watt transmitter—roughly the power of a refrigerator light bulb. Both Voyagers have 12-foot-wide dish antennas to send and receive signals to compensate for the feeble transmitter.

**IS IT STILL TRANSMITTING DATA?**  
 NASA's Deep Space Network (DSN) detected a carrier signal from Voyager II using numerous antennae. The spacecraft utilises a carrier signal to deliver data back to Earth. The signal is too feeble to extract data, but it verifies that the spacecraft is still operational.

**POWER SOURCE**  
 Both Voyager probes are powered by radioisotope thermoelectric generators (RTGs), which turn heat from plutonium decay into electricity. Because of the continuous deterioration process, the generator produces somewhat less power each year. Even though the probes are no longer sending images, they are still sending vital information about space.

It also provided more detailed images of the ring spokes and kinks, and of the F-ring and its shepherding moons. Finally, it employed a gravity-assist maneuver at Saturn to help it reach its next destination, Uranus.

**URANUS :** Following its flybys of Jupiter and Saturn, Voyager II became the first and only spacecraft to visit Uranus. The planet appeared to have few features but Voyager II found evidence of an ocean of boiling water about 500 miles (800 kilometers) below its cloud tops. Curiously, the average temperature of its Sun-facing pole was found to be the same as that at the equator. Voyager II discovered 10 new moons, two new rings, and a strangely tilted magnetic field stronger than that of Saturn. A gravity assist at Uranus propelled the spacecraft toward its next destination, Neptune.



**NEPTUNE :** Voyager II is the only human-made object to have flown by Neptune. In the closest approach of its entire tour, the spacecraft passed less than 3,100 miles (5,000 kilometers) above the planet's cloud tops. It discovered five moons, four rings, and a 'Great Dark Spot' that vanished by the time the

Hubble Space Telescope imaged Neptune five years later. Neptune's largest moon, Triton, was found to be the coldest known planetary body in the solar system, with a nitrogen ice volcano on its surface.

**The eternal journey begins**  
 A gravity assist at Neptune shot Voyager II below the plane in which the planets orbit the Sun, on a course out of the Solar System. NASA announced in December 2018 that Voyager II had entered interstellar space, the second spacecraft to do so after sister ship Voyager I. As of July 2019, Voyager II continued to return data from five instruments as it travels through interstellar space. Eventually, there will not be enough electricity to power even one instrument. Then, Voyager II will silently continue its eternal journey among the stars.

### MISSION BUDGET

The overall cost of the Voyager mission from May 1972 to the Neptune encounter is \$865 million (including launch vehicles, radioactive power sources, and DSN tracking assistance). This may appear to be quite expensive at first, but when the costs are properly weighed, the amazing returns are a steal. At the conclusion of the Neptune encounter, both Voyager spacecraft had returned to Earth a total of five trillion bits of scientific data. This is enough data to fill almost seven thousand music CDs.

### VOYAGER II COMPONENTS

The spacecraft is made up of 65,000 separate pieces. Many of these components have a huge number of smaller equivalent components, such as transistors. Each spaceship includes over five million equivalent electronic pieces, with one computer memory alone comprising over one million equivalent electronic parts. Because a colour TV set comprises approximately 2500 equivalent parts, each Voyager has the electronic circuit complexity of approximately 2000 colour TV sets.

### ZERO ERROR MECHANISM

Voyager II is outfitted with computer programming for self-protection against faults. The system is among the most advanced ever created for a deep-space

probe. There are seven top-level fault protection processes, each of which can handle a wide range of potential failures. The spacecraft can put itself in a safe state in seconds or minutes, which is important for survival when the spacecraft travels to the far reaches of the solar system, where round-trip communication durations with Earth can take several hours.

### JIMMY CARTER'S MESSAGE TO 'ALIENS'

Of the 200 billion stars in the Milky Way galaxy, some—perhaps many—may have inhabited planets and spacefaring civilizations. If one such civilization intercepts Voyager and can understand these



recorded contents, the then US President Jimmy Carter had this message written on the spacecraft: "This is a present from a small distant world, a token of our sounds, our science, our images, our music, our thoughts, and our feelings. We are attempting to survive our time so we may live into yours. We hope someday, having solved the problems we face, to join a community of galactic civilizations. This record represents our hope and our determination, and our good will in a vast and awesome universe."



THE MANY FIRSTS	VOYAGER II TIMELINE
<ul style="list-style-type: none"> <li>It's the only spacecraft to study all four of the Solar System's giant planets at close range.</li> <li>The spacecraft has discovered a 14th moon at Jupiter.</li> <li>This was the first human-made object to fly past Uranus and Neptune</li> <li>At Uranus, it discovered 10 new moons and two new rings.</li> <li>At Neptune, Voyager II discovered five moons, four rings, and a 'Great Dark Spot.'</li> </ul>	<ul style="list-style-type: none"> <li><b>August 20, 1977:</b> Launched</li> <li><b>July 9, 1979:</b> Jupiter flyby</li> <li><b>August 26, 1981:</b> Saturn flyby</li> <li><b>January 24, 1986:</b> Uranus flyby</li> <li><b>August 25, 1989:</b> Neptune flyby</li> <li><b>December 10, 2018:</b> Entered interstellar space</li> <li><b>July 8, 2019:</b> Successfully fired its trajectory correction maneuver thrusters</li> </ul>





# Salini



PHOTO: KAMAL PHOTOGRAPHY