

International Asteroid Day

While it is unclear exactly how long asteroids have been floating around in the solar system, scientists believe that they go back tens of millions of years. They can range from small to large, 10 meters across to more than 500 meters across. Explore the mysteries of space rocks hurtling through the galaxy, with the potential to unlock secrets of our universe! Raise public awareness and educate people about the opportunities and risks presented by asteroids. The goal is to inform the public regarding various actions and efforts that should take place in case the need should arise.



#CAMPING

How to Build a Cooking Fire

Here's how to get your campfire's flames fine-tuned for outdoor cooking



The heart of any weekend spent camping is undeniably 'the fire.' It's where you gather, where you share stories and evenings under the stars with hearty outdoor-ready food and a drink in hand. But to get cooking while you're outside, you'll need a fire burning, and a good cooking fire begins with building a classic campfire. Remember, it takes time to build heat when you're working with a campfire. You'll want to start prepping your fire early so that it can reach the right temperature, and generate the right balance of heat, when you're ready to cook. Follow these steps to successfully build, manage, and extinguish your cooking fire.

- 1. Gather Your Materials**
At least one hour before cooking, create a teepee of kindling over tinder or a wadded up newspaper, ensuring ample space for air to circulate.
- 2. Light a Flame**
Light the newspaper and, while gently blowing on the flame, slowly add larger kindling, working up to full-size logs.
- 3. Get Your Grate in Place**
Meanwhile, arrange flat rocks to one side of the fire for the grate to sit on. Scoop glowing coals under the grate and use tongs to arrange them.
- 4. Monitor Flames and Heat as You Cook**
Note hot spots, for accurate cooking temperatures.



Key Cooking Fire-Safety Tips

In addition to keeping an eye on how your food cooks, it's absolutely critical to practice fire safety at your campsite. An open fire can quickly become a concern, if not watched carefully.

First and foremost, you should only start fires in approved areas under safe weather conditions. Dry or windy conditions can be unexpectedly hazardous. Stray sparks can easily ignite a check fire. You should also check if there are any fire restrictions in place where you're camped out before planning or prepping your cooking fire.

While your fire is burning, keep it under control and make sure that its flames aren't left unattended.

And always extinguish fires when cooking is complete. Before walking away



from your cooking fire, extinguish it thoroughly and pour enough water over top to drown the embers. You can also test the pit and debris for heat using the back of your hand. If it's cool, you're safe to walk away.



Living Really Yeh zindagi hai qaum ki...



Nazir Hussain

At an award ceremony, Nazir met the then President of India, Dr. Rajendra Prasad. In the course of their conversation, when the President learnt of his Ghazipur roots, he said, "You still speak flawless Bhojpuri. Why don't you make a film in that language?" Perhaps, he was thinking of the vast number of expatriates working as coolie in the British colonies, far away from India. The words made a deep impression on Nazir Saheb. So, in 1962, at the cost of Rs. 5 lakh, was made *Ganga Maiyya Tohe Piyari Chadhaibo/ Mother Ganges, I Bow to You*. Based on a story scripted by Nazir Hussain, it featured Kumkum and Aseem Kumar. The songs from the film, written by Shailendra, set to music by Chitragupt and rendered by Lata Mangeshkar and Mohammed Rafi, were on every lips, even in Mumbai.



Nazir And President of India, Dr. Rajendra Prasad.



Ganga Maiyya Tohe Piyari Chadhaibo.



Guru Dutt, Nazir Hussain and Waheda Rehman in Sahib Bibi Aur Gulam.

#SHIPWRECK

Titanic Decay

The world's most famous shipwreck has been revealed as never seen before



The first full-sized digital scan of the *Titanic*, which lies 3,800 m (12,500 ft) down in the Atlantic, has been created using deep-sea mapping. It provides a unique 3D view of the entire ship, enabling it to be seen as if the water has been drained away. The hope is that this will shed new light on exactly what happened to the liner, which sank in 1912.

More than 1,500 people died when the ship struck an iceberg on its maiden voyage from Southampton to New York.

"There are still questions, basic questions, that need to be answered about the ship," Parks Stephenson, a Titanic analyst said.

He said the model was 'one of the first major steps to driving the *Titanic* story towards evidence-based research, and not speculation.' The *Titanic* has been extensively explored since the wreck was discovered in 1985. But it's so huge that in the gloom of the deep, cameras can only ever show us tantalizing snapshots of the decaying ship, never the whole thing.

The new scan captures the wreck in its entirety, revealing a complete view of the *Titanic*. It lies in two parts, with the bow and the stern separated by about 800 m (2,600 ft). A huge debris field surrounds the broken vessel.

The scan was carried out in summer 2022 by Magellan Ltd., a deep-sea mapping company, and Atlantic Productions, who are making a documentary about the project. Submersibles, remotely controlled by a team on board a specialist ship, spent more than 200 hours surveying the length and breadth of the wreck. They took more than 700,000 images from every angle, creating an exact 3D reconstruction.



Kadam Kadam is a novel written in Bengali by Nabendu Ghosh based on Nazir Hussain's experiences in the INA under Netaji's leadership, waging the war for India's freedom. The book's cover carries a photo of the marching INA soldiers.



Magellan's Gerhard Seiffert, who led the planning for the expedition, said that it was the largest underwater scanning project that he'd ever undertaken. "The depth of it, almost 4,000 m, represents a challenge, and you have currents at the site, too, and we're not allowed to touch anything so as not to damage the wreck," he explained.

"And the other challenge is that you have to map every square centimeter, even uninteresting parts, like on the debris field, you have to map mud, but you need this to fill in between all these interesting objects."

The scan shows both the scale of the ship, as well as some minute details, such as the serial number on one of the propellers.

The bow, now covered in stalactites of rust, is still instantly recognizable even 100 years after the ship was lost. Sitting on top is the boat deck, where a gaping hole provides a glimpse into a void, where the grand staircase once stood.

The stern, though, is a chaotic mess of metal. "This part of the ship collapsed as it corkscrewed into the sea floor. In the surrounding debris field, items are scattered, including ornate metalwork from the ship, statues and unopened champagne bottles. There are also personal possessions, including dozens of shoes resting on the sediment."

Parks Stephenson, who has studied the *Titanic* for many years, said that he was "blown away" when he first saw the scans. "It allows you to see the wreck as you can never see it from a submersible, and you can see the wreck in its entirety, you can see it in context and perspective. And what it's showing you now is the true state of the wreck."

He said that studying the scans could offer new insight into what happened to the *Titanic* on that fateful night of 1912. "We really don't understand the character of the collision with the iceberg. We don't even know if she hit it along the starboard side, as is shown in all the movies, she might have grounded on the iceberg," he explained.

"Studying the stern," he added, "could reveal the mechanics of how the ship struck the sea floor." The sea is taking its toll on the wreck, microbes are eating away at it and parts are disintegrating. Historians are well aware that time is running out to fully understand the maritime disaster.

But the scan now freezes the wreck in time, and will allow experts to pore over every tiny detail. The hope is that the *Titanic* may yet give up its secrets.

#NAZIR HUSSAIN

Yeh zindagi hai qaum ki... Life belongs to the Land...



In Bimal Roy's Do Bigha Zameen: (Left) Nazir Hussain, Bairaj Sahani, Master Rattan and Rajlaxmi Devi (Right) Nabendu Ghosh in a cameo with Rajlaxmi Devi

Nabendu was his Bimal da's pen soldier, scripting all the films that turned him into a legend. Starting with *Maa*, going on to *Baap Beti*, *Parineeta*, *Braj Bahu*, *Deedas*, *Yahudi*, their crescendo rose to a finale with *Sujata* and *Bandini*. Alongside, he was sought out by the most eminent directors of the time to write for them. This galaxy comprised of names like Phani Majumdar, Vijay Bhatt, Gyan Mukherjee, Guru Dutt, Satyen Bose, Raj Khosla, Sushil Majumdar, Lekh Tandon, Asit Sen, Shakti Samanta, Mohan Segal, Basu Bhattacharya, and of course, Hrishikesh Mukherjee.

The words made a deep impression on Nazir Saheb. So, in 1962, at the cost of Rs. 5 lakh, was made *Ganga Maiyya Tohe Piyari Chadhaibo/ Mother Ganges, I Bow to You*. Based on a story scripted by Nazir Hussain, it featured Kumkum and Aseem Kumar. The songs from the film, written by Shailendra, set to music by Chitragupt and rendered by Lata Mangeshkar and Mohammed Rafi, were on every lips, even in Mumbai.

The story highlighting the issue of 'widow remarriage' proved so successful that Nazir Chacha took on the mantle of a producer. The next release was *Hamaar Sansar/ My World*. Producing films in a language spoken mostly in Eastern UP and Bihar wasn't as simple as it sounds. "It is easy to make a

Hindi film," he would say. "Often they are a hotchpotch. You get away with the sprinkling of night clubs and mini skirts. If himself wore the mantle of director. On the other hand, at an award ceremony, Nazir met the then President of India, Dr. Rajendra Prasad. In the course of their conversation, when the President learnt of his Ghazipur roots, he said, "You still speak flawless Bhojpuri. Why don't you make a film in that language?" Perhaps, he was thinking of the vast number of expatriates working as coolie in the British colonies, far away from India.

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Only Nabendu Ghosh remained, writing till the ripe age of 90. And, to do that he shifted back to Kolkata, along with his spotless white *dhoti-kurtas* and the yellow-with-time pages, on which he had jotted down some incident from the narrative of Nazir *Bhai* and sat down to fulfill that promise to himself. Two months later, he handed me a file, written on which was the title, "*Kadam Kadam*." Two weeks later, he was hospitalized, never to recover. However, when he breathed his last on December 15, 2007, he felt freer that he had succeeded in posting the flag of India's march towards freedom, much like *Pehla Aadmi*.

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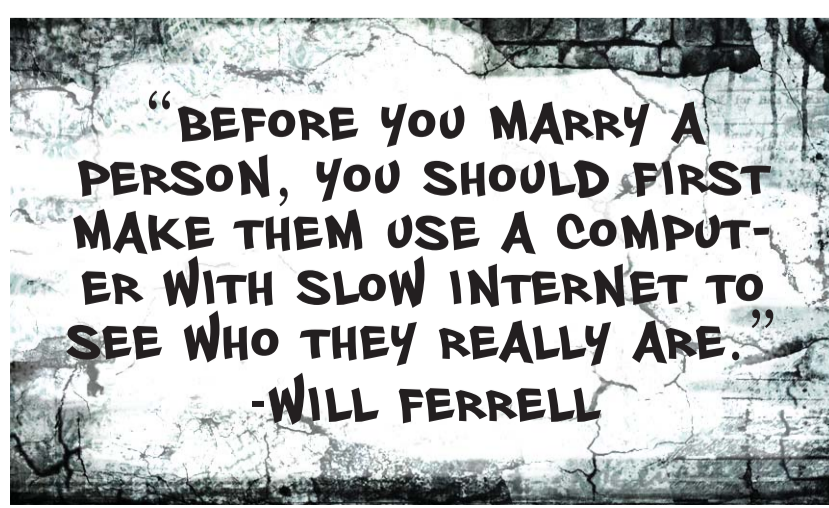
By Rick Kirkman & Jerry Scott

ZITS



By Jerry Scott & Jim Borgman

THE WALL



BABY BLUES

