We Love Our

Tigers... To Death

In the incident is the second tiger-related death in Ranthambore within a month. On

Trinetra Ganesh temple with his grandmother. The tiger dragged the child into the

forest and stayed with the body for a long time. The attack took place in the Amrai

which was once her own, in her last days. "Riddhi didn't put up a fight. She just gave

forest area. Interestingly, Arrowhead ventured into her daughter Riddhi's territory,

her mother space to lie down and rest," Mr. Rai says, tearing up.

On Sunday, forest range officer

Devendra Singh Choudhury was

killed a few metres from that spot.

It was the second death inside

Ranthambore in less than a month

which, experts say, was precipitat-

ed by a series of 'thoughtless

interventions and oversights.' The

incident took place around 3 P.M.

near Jogi Mahal in zone 3 of

Ranthambore National Park.

Recently promoted forest range

officer Devendra Chaudhary was

on routine patrolling and tracking

duty near the ancient Yagyashala area when he was suddenly

attacked by a tiger near the

'Chhoti Chhatri' area. According

to the information, Ranger

Devendra Chaudhary came to Jogi

Mahal from Gudha Naka at

around 3 PM on Sunday. He also

had additional charge of Jogi

tiger dragged them into the forest

and sat on the ranger's body for

about 20 minutes. The forest work-

ers chased the tiger away after a

lot of effort. The tiger attacked the

ranger's neck with its teeth and

nails. Devendra was taken to the

district hospital, where the doctor

declared him dead. After receiving

information from the forest work-

ers, forest department officials

reached the spot.

According to evewitnesses, the

April 16, a 7-year-old boy was killed by a tiger while he was returning from the

राष्ट्रदुत

**#MOTIVATIONAL** 

## Giving Up Too Soon

The next time you go to buy rice or some other grain, notice what the seller does!





not seeing any result to his

efforts. He knows the result

will come and continues to

put the rice in with his scoop

until he sees a small move-

ment in the pans and the pan

with the rice starts to

descend. Once that happens

and the pans are almost level,

the man changes his method

of putting in the grain. Now

instead of the scoop, he uses

his hand. He takes a handful

of rice, and very gently, he

drops a few grains at a time

into the pan. And then lo and

behold, the pan with the rice

descends to the counter top

and the pan with the weight

two essential lessons in life;

kilos, nothing will happen.

When I saw this, I learnt

Lesson # 1: Until 19

Lesson # 2: The last

So also in life, even when

few grains always make the

19 kilos of effort have gone

into the issue and we start to

lose hope because 'nothing is

happening,' it is good to

remember that nothing is sup-

posed to happen. One who

understands this does not lose

hope or energy but smiles in

anticipation of reaching the

last stage when he knows that

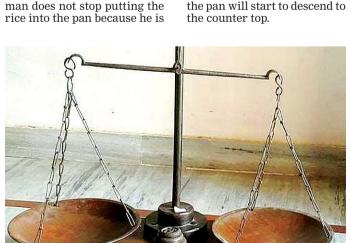
rises in the air.



in India selling food grains? It is called a 'Balance' and has two pans: one on either side of a pivot, hanging from a horizontal beam at the

put in one pan and material being weighed in the other. There is an extremely important life lesson to be learnt in this. The next time you go to buy rice or some other grain, notice what the seller does. First, he puts the weight measure in one pan. Say 20 kilos. Then, he uses a scoop and starts to put rice into the

other pan. As the pan fills, even when he has put 19 kilos in it, what do you see happening to the pans? Nothing. There is no change in the situation. The pan with the weight remains firmly on the counter top. And the pan with the rice remains in the air. However, you notice that the







n multiple safaris to Rajasthan's iconic Ranthambore tiger reserve last year, a vetchronicler tigers crouching at the edge of undergrowth, a few metres away from a wall by the road at the Jogi Mahal gate that leads to tourist zones around the lakes Padam talao, Rajbagh and Malik talao.

The gaze of these tigers, he noticed, was fixed on one of the two small rooms behind the wall. On closer inspection, he heard low grunts of a buffalo on the other side of the closed doors. It turned out that forest staff were using that room to stock a live buffalo to be presented as weekly bait to a well-known tigress called Arrowhead. Aghast, the veteran warned the staff on duty that they 'may have to pay the price for luring tigers so close.

### Forest department closed the road to Trinetra Ganesh Temple

fter the incident, the forest department has ordered the closure of the Trinetra Ganesh Temple route from May 12 till further orders. Officials said that tiger activity has increased near the Mandir Marg, Fort and Jogi Mahal area and about 13-14 tigers have been sighted in recent days. According to forest guard Amit, Devendra was dropped off just before the Jogi Mahal gate for patrolling. Around the same time. tigress Riddhi's and Arrowhead's

cubs were also reportedly active in the same area. In an exclusive update from the Ranthambore National Park forest department, it has been revealed that Avni (Kankati) daughter of tigress T-84 aka Arrowhead, has been found to be the killer in the case of Ranger Devendra Singh Chaudhary's death. The pictures captured in the forest department's camera have confirmed that Avni is the killer.



### **#WILD IS WILD**



### **Second Tiger Attack Death in One Month**

incident is the second tiger-related death in Ranthambore within a month. On April 16, a 7-year-old boy was returning from the Trinetra Ganesh temple with his grandmother. The tiger dragged the child into the forest and stayed with the body for a long time. The attack took place in the Amrai forest area.

Preliminary assessments suggest that the tiger involved in both attacks may be one of the cubs of Tigress Arrowhead. These cubs estimated to be around 20 months old, have reportedly exhibited increasingly bold behaviour around

According to officials, aware of the details, said that after the boy's death in April, RTR authorities recommende relocating the tiger cubs to a non-tourism zone, specifically Lapur in the Khandar area of the reserve, but no decision was made at the time.

The voung tigress who is suspected to have mauled two people, including a forest at Rajasthan's Ranthambore National Park was moved to Mukundara Tiger Reserve. This came on a Arrowhead died of a tumour. This comes days after a video of Arrowhead showed her waiting hunting and killing a crocodile on the banks of Padma talao pond near Jogi Mahal in Ranthambore's Zone Number 3. The young suspect tigress Kankati, was first seen with her mother Arrowhead and two

siblings in Zone No. 2 at Ranthambore Tiger reserve on July 25, 2023. Arrowhead is the daughter of the legendary Machali. arguably Ranthambore's most photographed tigress. Her male cub had been moved to Keladevi Sanctuary in Karauli Chief Conservator of

Forest Suganaram confirmed the move. "The tigress will be kept in a soft enclosure of Dara in Mukundra. This enclosure is over 8.000 sq. metre, which will provide enough space for the tigress to venture and move being moved there. Mukundara now has four tigers, one male and three females

Indian wildlife photogra pher Sachin Rai still remem bers tigress 'Arrowhead' pounc ing on a crocodile and tearing away its leathery flesh with her teeth. Mr. Rai had been photo graphing the iconic tigress in western Rajasthan state's Ranthambore National Park since she was a cub. Her death. caused by an illness, was mourned by hundreds of wildlife enthusiasts, photographers and tour guides who had flocked to the park to get a glimpse of her

Arrowhead's legendary sta tus comes partly from her line Krishna and granddaughter of



Machli, majestic tigresses who, with his mate, offering her a once upon a time, dominated vast space to bring up their cubs.) home ranges in Ranthambore with ferocity.

They were also skilled crocodile-killers, known to incapacitate the massive creatures by crushing their skulls in their powerful jaws.

Mr. Rai says that Arrowhead, named such by another wildlife photographer after the distinct arrow-shaped stripes on her cheek took to killing crocodiles after her health began failing her. "But even though she was weak and frail, the crocodiles were no match for her," Mr. Rai says. Her kills earned her the nickname 'crocodile-hunter' by her fans, he adds. In fact, she killed a crocodile just days before her death.

Though graceful and fierce, Arrowhead had a difficult life, Mr. Rai says. She was chased out of her territory by her own daughter, Riddhi, and had to mate multiple times in order to find a place she could call home. (A male tiger shares his territory

her own, in her last days. She just gave her mother space to lie down and rest," Mr. Rai says,

tearing up. rajeshsharma1049@gmail.com

"Riddhi didn't put up a fight.

Arrowhead gave birth to four lit-

her children survived. She grew

weak after developing a tumour

and park officials would have to

bring her food when she couldn't

hunt for days. However, this was

stopped after some of her cubs

attacked and killed people. Mr.

Rai, who was around when

Arrowhead was nearing her end.

says that it was heart-breaking to

see a powerful, majestic creature

Every step seemed like an effort

and she kept falling down," he

says. Interestingly, Arrowhead

ventured into her daughter

Riddhi's territory, which was once

"I saw her struggling to walk.

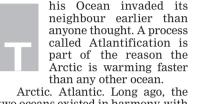
become so weak and powerless.

ers in her lifetime, but not all of

### **#EXPLAINED**

# Atlantification of the Arctic

The Arctic has warmed by around 2 degrees Celsius since 1900. But this early Atlantification did not appear in existing historical climate models.



two oceans existed in harmony, with warm and salty Atlantic waters gently flowing into the Arctic. The layered nature of the Arctic, sea ice on top, cool freshwater in the middle, and warm, salty water at the bottom, helped hold the boundary between the polar ocean and the warmer Atlantic

But everything changed when the larger ocean began flowing faster than the polar ocean could accommodate, weakening the distinction between the layers and transforming Arctic waters into something closer to the Atlantic. This process, called Atlantification, is part of the reason the Arctic is warming faster than any other

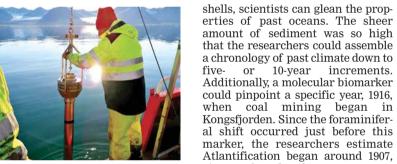
Satellites offer some of the clearest measurements of changes in the Arctic Ocean and sea ice. But their records only go back around 40 years, obscuring how the climate of the ocean may have changed in prior decades. In a paper published in the jour

nal Science Advances, Tesi and colleagues were able to turn back time with yardlong sediment cores taken from the seafloor, which archived 800 years of historical changes in Arctic waters. Their analysis found that Atlantification started at the beginning of the 20th century. decades before the process had been documented by satellite imagery. The Arctic has warmed by around 2 degrees Celsius since 1900. But this early Atlantification did not appear in existing historical climate models, a discrepancy that the authors say may reveal gaps in those esti-

Mohamed Ezat, a researcher at the Tromso campus of the Arctic University of Norway and who was not involved with the research. called the findings 'remarkable.'

"Information on long-term past changes in Arctic Ocean hydrography are needed, and long overdue,"





give or take a decade. When the researchers compare In 2017, the researchers extracted a sediment core from the seafloor of Kongsfjorden, a glacial fjord in the east end of the Fram Strait, a gateway between the Norwegian archipelago Svalbard Greenland. where Arctic and

Atlantic waters mingle. The researchers sliced up core at regular intervals and dried those layers. Then came the painstaking process of sifting out and identifying the samples' foraminifera, single-celled organisms that build intricate shells around themselves using minerals in the ocean.

When foraminifera die, their shells drift to the seafloor and accumulate in layers of sediment. The creatures are crucial clues in sediment samples; by identifying which foraminifera are present in a sample and analyzing the chemistry of their

the data from their paleoclimate model with others to see if they overlapped, they found that existing climate models had no sign of this Atlantification. The researchers suggest a number of possible reasons behind this absence such as an underestimation of the role of freshwater mixing in the Arctic or the region's sensitivity to warming. Lenn, who was not involved with

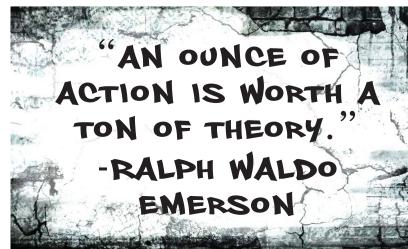
the research, sees a difference between this early Atlantification and the present, rapid Atlantification, which is largely driven by melting Arctic sea ice. "It's too soon after the start of the Industrial Revolution for us to have accumulated excess heat in the planetary system for it to be anthropogenic at that point," Lenn said.

The authors are not sure of the precise reasons behind the early Atlantification. If human influences are the cause, then "the whole system is much more sensitive to green house gases than we previously thought," Muschitiello said.

In another possibility, earlier natural warming may have made the Arctic Ocean much more sensitive to the accelerated Atlantification of recent decades. "Could it be that we destabilized a system that was already shifting?" Tesi said

Although this is true of humans t is not true of corals in the Fram Strait. The long-lived animals record changes in climate and other param eters, making them excellent sen tinels of climate history. Tesi hopes to study the strait's cold-living corals next, to see what insight they may offer into the Atlantic's usurpa tion of the Arctic.

## THE WALL



### **BABY BLUES**



### OVERCONFIDENCE SOMETHING AND POWER TOOLS! YOU? BETTER. GIVE ME THAT

### By Rick Kirkman & Jerry Scott



# ZITS





