



There Is A Hunger In This Man...

जयपुर • कोटा • बीकानेर • उदयपुर • अजमेर • जालोर • हिण्डौनसिटी • चूरू

राष्ट्रदूत

Metro

Rashtradoot

Metro



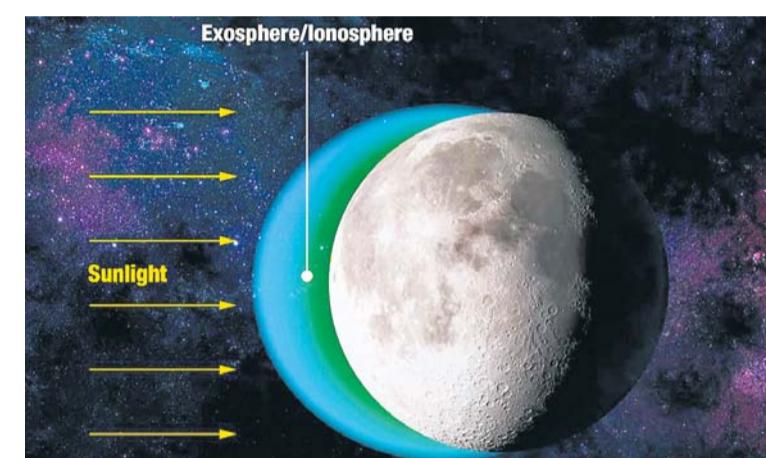
Family Fun Month

Families have been having fun together for generations. Perhaps, dating back to caveman times, when they would play music, tell stories and play games, fun has been an important part of the human experience and quality of life! Today, some families may have a tendency to be bit serious, working hard at jobs or school, so, they might need a reminder to go out and enjoy themselves. And that's what Family Fun Month is all about! Create lasting memories with activities that bring laughter, strengthen bonds, and fill your home with joy.

#SCIENCE

The moon has an atmosphere (sort of)

A lunar atmosphere is not really an atmosphere. Scientists call it an exosphere.



The moon may be our constant companion, but there's still a lot that we have to yet understand about it. For example, it was only during the Apollo missions in the 1960s and '70s that we discovered that it has an atmosphere, tenuous as it is. "People do not even know that the moon has an atmosphere," said Nicole Nie, an assistant professor in MIT's Department of Earth, Atmospheric, and Planetary Sciences and the author of a new study about the moon. "Technically speaking, a lunar atmosphere is not really an atmosphere. (As) scientists, we call it an exosphere, just because it's very, very thin. But it's there, and scientists



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tists have had theories about what is supplying this thin atmosphere, which is made up of helium, argon, neon, ammonia, methane and carbon dioxide, as well as some sodium, nitrogen, and potassium. Now, Nie and co-authors of a new study provide further evidence to support the theory that meteorites are responsible for at least some of its atmosphere.

Getting into the dirt

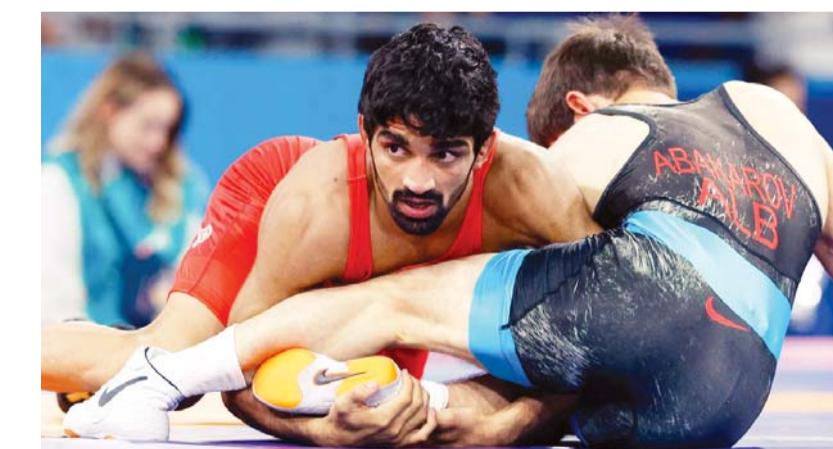
The main driver for the lunar atmosphere was believed to be something called space weathering, which includes the vaporization of the lunar surface as meteorites slam into the moon. Another factor is 'ion-sputtering,' which comes from the sun's solar wind, a flow of particles that travels outward into the solar system at around 1.6 million km/h.

Scientific beliefs changed as the charged particles carried by the solar wind reach the moon, they hit the surface and then transfer energy to the atoms contained in the soil, sending those atoms sputtering about, which ends up creating a thin atmosphere.

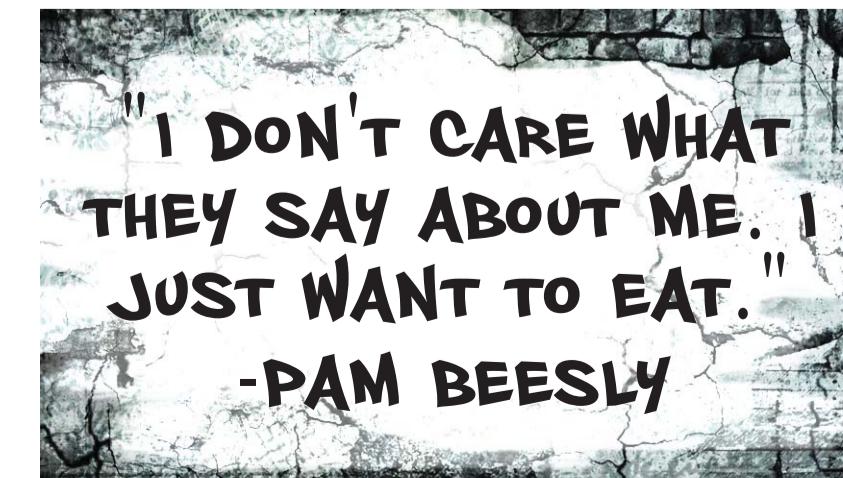
Some of that information was collected by a NASA satellite mission to the moon called the *Lunar Atmosphere and Dust Environment Explorer* (LADEE), which orbited from 2013 to 2014.

But Nie and co-authors wanted to get down and into the dirt, looking at the moon's regolith, which is, sometimes, referred to as soil (although, soil tends to contain organic matter). The researchers were able to analyze 10 samples from the Apollo missions.

It was only 100 grams, so, there was a margin for error (you don't want to make a mistake and waste precious Apollo samples). In fact, the recent study found that 70 per cent of the lunar atmosphere is a result of these meteorite impacts.



THE WALL



There Is A Hunger In This Man...

The unfortunate Wrestling Federation of India has been doing anything but training its students. Their efforts and time is, these days, spent in politicizing, or defending things, not wrestling. Our lack of success, this time over, is no secret and also its cause. True, when your eye is not focused on the fish's eye, this is the result. Although, it is obvious that we have the talent.

There is a hunger in this young man. He doesn't have a father to free over him, and pray for his future. He, too, does not, have a father to look over his shoulder and wait for any help. He gets up and does it anyway. A single-minded devotion to his game has 'earned' literally earned his medal. A lesson taught to Arjun, a fortunat with really high caliber mentors, was, 'Look the fish in the eye, that is the whole world for you, nothing else exists. In this young man, it is visible.'

Arman Schrawat didn't do well in the 21 years and 24 days. Arman Schrawat bettered PV Sindhu's record of 21 years one month and 14 days when he bagged the silver medal at the Rio 2016 Olympics. All of them have emerged from an *okhara* that is to Indian wrestling what La Masia is to Spanish football.

They concluded that the regolith held mostly the heavy isotopes of both elements, and that vaporization of these rocks was likely the main process by which the atoms are sent upward (think fast, hot rock slamming into more rock).

And since the moon is constantly being pelted by even small meteorites, called micrometeorites, this thin atmosphere is just replenished again and again.

This is important because with ion-sputtering, most of these atoms could escape into space. However, with meteorites vaporizing the rocks, the majority would remain. In fact, the recent study found that 70 per cent of the lunar atmosphere is a result of these meteorite impacts.

The unfortunate Wrestling Federation of India has been doing anything but training its students. Their efforts and time is, these days, spent in politicizing, or defending things, not wrestling. Our lack of success, this time over, is no secret and also its cause. True, when your eye is not focused on the fish's eye, this is the result. Although, it is obvious that we have the talent. The Wrestling Federation of India (WFI) has been suspended by the sports world governing body for not holding elections after its chief was charged with sexual misconduct.

India's top wrestlers staged weeks of sit-in protests in New Delhi, this year, to demand the resignation of WFI President, Brij Bhushan Singh. The 66-year-old, also a lawmaker for the ruling Bharatiya Janata Party (BJP), has since been charged with sexual harassment and stalking, and is currently free on bail. The federation's leadership was disbanded in the wake of the scandal, with fresh elections scheduled for earlier this

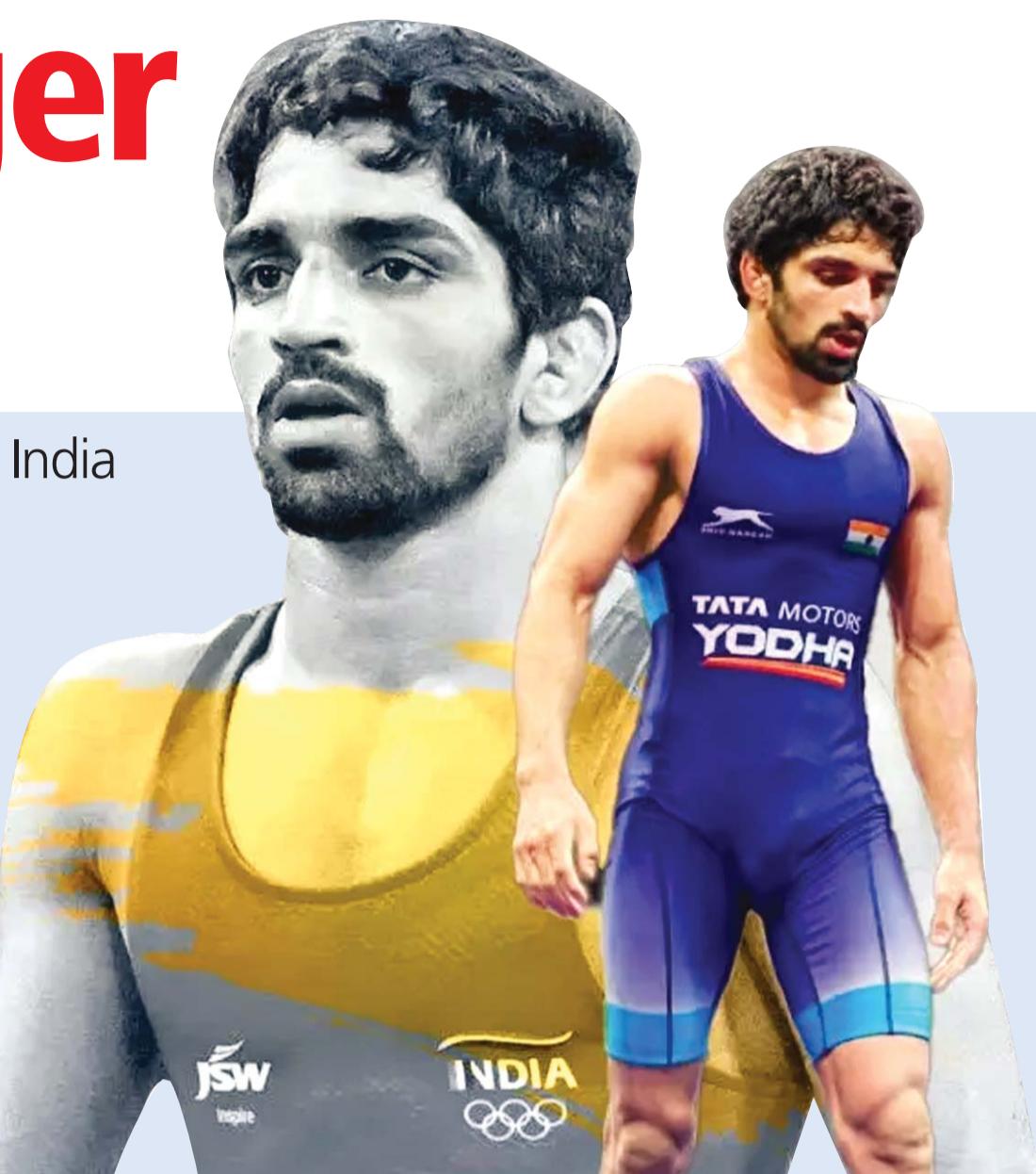
Why such a small presence?

month, but postponed indefinitely at the last moment. "The absence of a regularly elected president and a board does not comply with the UWW regulations and the conditions for membership," United World Wrestling said, in a statement, late on Thursday. "Indian wrestlers will be allowed to compete in the Asian Games next month, but not under the Indian flag," the statement added. Singh, accused of groping

female athletes and demanding sexual favours, has denied the allegations and claimed to be the victim of a 'conspiracy' to force him out of parliament. Seven female wrestlers, including a minor, had filed police complaints against him, accusing him of stalking, touching them with sexual intent, making sexual remarks and 'outraging their modesty.' Sakshi Malik, in blue, an Indian wrestler who won a bronze medal at the 2016 Summer Olympics, is detained by the police during a protest demonstration in May.

Following is the timeline of the chain of events leading up to the suspension of the Wrestling Federation of India (WFI) on Sunday by the Sports Ministry.

It charts all the important events dating back from January 18, when the wrestlers began their protest at Jantar Mantar to the suspension of the Sanjay Singh-led WFI panel, which was elected on December 21.



Wrestlers and supporters arrested

Shing has a criminal record dating back to the 1990s. He still has four criminal cases pending against him, on charges that include theft, attempted murder and illegal payments in connection with an election. Several top wrestlers were charged with rioting and disorderly conduct during a protest against him, in May. Images of star athletes being detained by police, as they tried to march to parliament, went viral on social media.

Several of their supporters were also arrested after scuffles with police broke out in front of parliament. Indian wrestlers, then, vowed to take the matter to court.

Olympian Vinesh Phogat, one of the athletes who led the protests, told Al Jazeera that several sexual harassment cases have been previously reported against Singh, but he either made the charges disappear or ensured that the complainant did not compete again.

Wrestling is popular in rural northern India. In the 76 years since India's independence, it has won 21 medals in individual sports, seven by wrestlers.

Wrestler Anita Sheoran, who has won Commonwealth Games gold and is a witness in a sexual harassment case, has filed her nomination to replace Singh in the top post. But backers of Singh, whose family is prohibited from contesting the elections, had been expected to win any election.

Bajrang Punia, who is one of the wrestlers, who led protests against Singh and who was a bronze medallist at the 2020 Tokyo Olympics, is on the squad for the Asian Games, starting on September 23 in Hangzhou, China.

Following is the timeline of the



January 18: Wrestlers begin protest at Jantar Mantar, accuse WFI chief, Brij Bhushan Singh Sharai, of sexual exploitation and intimidation, demand his resignation and dissolution of WFI.

January 19: CWG champion wrestler and BJP member Babita Phogat meets wrestlers, says that she will speak to the government.

January 20: Wrestlers write a complaint letter to IOA president, PT Usha, demand the formation of an inquiry committee to probe the allegations and appointment of a new committee to run WFI. IOA forms a seven-member committee, including MC Mary Kom and Yogeshwar Dutt, to probe the allegations of sexual harassment.

January 21: Wrestlers call off protest after meeting Thakur.

January 22: The IOA ad-hoc panel reduces Asian Games and World Championship selection to a one-bout contest for six protesting wrestlers.

January 23: Several coaches, parents of wrestlers demand withdrawal of exemption given to six wrestlers.

January 25: The Gauhati High Court stays WFI elections, scheduled for July 11, on a petition filed by the Assam Wrestling Association.

July 18: Delhi court grants interim bail to Brij Bhushan, Bajrang and Vinesh get direct entries into the Asian Games.

July 19: Young wrestlers hit Hisar streets to protest against 'unfair trial exemption.' WFI election scheduled for August 7.

July 20: Many junior wrestlers, their parents and coaches reach IOA headquarters to protest against the draw of exemption granted to Vinesh and Bajrang. WFI election rescheduled for August 12.

August 11: Punjab and Haryana High Court stay WFI elections scheduled for August 12, following a petition filed by the Haryana Wrestling Association.

August 23: Wrestling world body, UWW, suspends WFI for not conducting its elections on time.

December 5: WFI elections scheduled on December 21.

December 21: Sanjay Singh, a Brij Bhushan loyalist, elected as the new WFI chief.

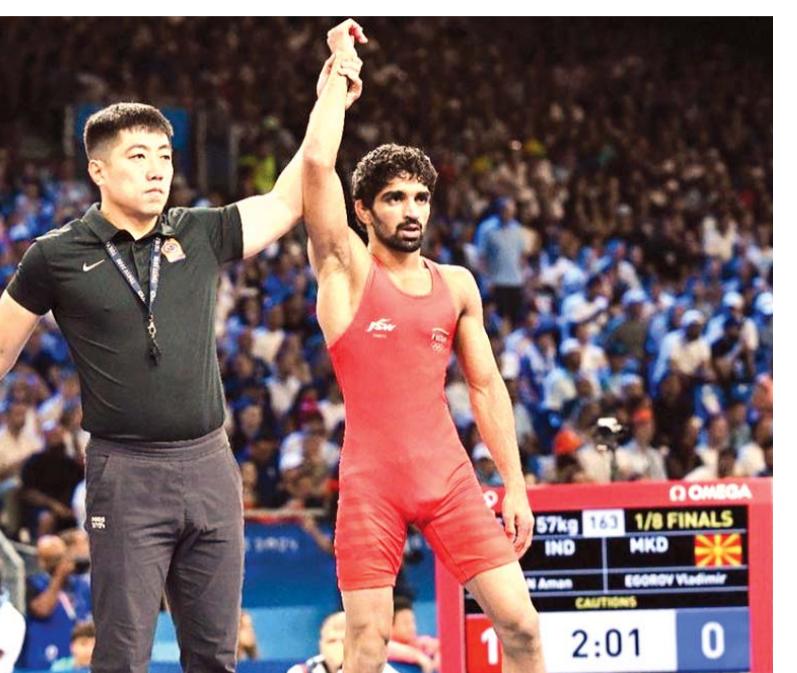
December 21: Bajrang and Sakshi held press conference where the latter quit wrestling in protest against Singh's election.

December 22: Bajrang returns Padma Shri in protest against Sanjay Singh's election.

December 24: The Sports Ministry summoned WFI chief, who had been elected after the newly-elected body made a 'hasty announcement' of organising the U-15 and U-20 nationals 'without giving sufficient notice to wrestlers to prepare.'

Rajeshsharma1049@gmail.com

#OLYMPICS



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