



## Sushil Chandra takes charge as Chief Election Commissioner

### Takes over from Sunil Arora

**New Delhi, Apr 13:** Shri Sushil Chandra, a 1980 batch Indian Revenue Service (IRS) officer, took charge as the Chief Election Commissioner today.

The Election Commission (EC) of India is responsible for holding elections at all levels in all parts of the country. It ensures that elections are fair.

The Election Commission is led by three Election commissioners, one of whom is designated as the Chief Election Commissioner (CEC).

Shri Sunil Arora was the earlier CEC. Sushil Chandra was one of the three election commissioners. With his taking charge as the CEC, there is a vacancy in the Election Commission. He will remain the CEC till 14<sup>th</sup> May 2022. Assembly elections of Goa, Manipur, Uttarakhand, Punjab, and Uttar Pradesh will be held under his leadership.

He is an alumni of IIT Ranchi.

On his very first day in office, EC issued notices to two politicians for their conduct.



Shri Sushil Chandra  
Image Credit: Election Commission of India

## NASA's Perseverance Rover sends weather report from the Jezero Crater

**Washington DC, Apr 13:** The Perseverance Rover was launched by NASA on 30<sup>th</sup> July 2020. It landed on the Jezero Crater of Mars on 18<sup>th</sup> February 2021. After landing, Perseverance started the second phase of its mission - sending back Mars' weather report to Earth.

Sensors called MEDA are being used in this mission. **MEDA stands for Mars Environmental Dynamics Analyzer.** These sensors can measure the temperature, wind speed and direction, atmospheric pressure, relative humidity, and dust size and shape. This was first powered (for about half an hour) on 19<sup>th</sup> February 2021. On the same day, around 8:25 Pacific Daylight Time (PST), NASA received the first data from MEDA. According to the data received, when the system just started recording, the temperature was -4 degrees Fahrenheit. Within the next 30 minutes, the temperature came down to -14 degrees Fahrenheit. **Go to Page 4** to see the weather report of Mars. We share data on temperature range and atmospheric pressure.

*This news report has been written by Shreya Agarwal.*

## Lunar Occultation of Mars – Sunil Kumar Behera

On April 4<sup>th</sup>, 357 BC, Aristotle, a Greek philosopher and polymath, witnessed a rare event in the night sky. He described it in his book *De Caelo* thus: “For we have seen the Moon, half full, pass beneath the planet Mars, which vanished on its shadow side and came forth by the bright and shining part”. This hide and seek of the moon and Mars is known as lunar occultation of Mars.

An **occultation** is an event that occurs when one object is hidden by another object that passes between it and the observer. The three of them should be in the same line of sight. In lunar occultation, the moon passes in front of stars or planets or other celestial bodies, as seen by an observer. Lunar occultations of stars are very common while watching moon through a telescope. You may notice some stars near the edge of the moon disappear and emerge on the other edge of the moon. Similarly, there is lunar occultation of Mars where the moon passes in front of Mars. Mars will disappear behind one edge of the moon and emerge from the other edge. Since the distance



between Moon and Mars is larger than the distance between earth and moon, only a fractional part of earth can usually witness this rare event.

Here is this list of all states and Union Territories with time when the lunar occultation of Mars will start and end. Time may vary by  $\pm 3$  minutes. People living in Jammu & Kashmir and Ladakh will witness only super conjunction of Moon and Mars; that is, Mars will shine very close to the moon.

SL.NO	UNION TERRITORIES	START(IST)
1	ANDAMAN AND NICOBAR ISLAND	06:31 pm
2	CHANDIGARH	06:13 pm
3	DADRA AND NAGAR HAVELI	05:29 pm
4	DAMAN AND DIU	05:29 pm
5	DELHI	06:01 pm
6	LAKSHADWEEP	05:43 pm
7	PUDUCHERRY	05:59 pm

To know the exact time at your location, use the sky map application and do not miss this amazing rare astronomical event.

SL.NO	INDIAN STATES	START(IST)	END(IST)
1	ANDHRA PRADESH	5:50 pm	07:35 pm
2	GOA	05:37 pm	07:24 pm
3	GUJARAT	05:33 pm	07:14 pm
4	HARYANA	06:04 pm	06:58 pm
5	HIMACHAL PRADESH	06:21 pm	06:38 pm
6	JHARKHAND	06:17 pm	07:30 pm
7	KARNATAKA	05:34 pm	07:29 pm
8	MAHARASTRA	05:37 pm	07:22 pm
9	MANIPUR	06:45 pm	07:27 pm
10	MEGHALAYA	06:39 pm	07:23 pm
11	MIZORAM	06:39 pm	07:31 pm
12	NAGALAND	06:52 pm	07:19 pm
13	ODISHA	06:13 pm	07:37 pm
14	RAJASTHAN	05:47 pm	07:07 pm
15	SIKKIM	06:37 pm	07:15 pm
16	TAMIL NADU	05:57 pm	07:35 pm
17	TRIPURA	06:35 pm	07:31 pm
18	UTTARAKHAND	06:16 pm	06:56 pm
19	UTTAR PRADESH	06:11 pm	07:09 pm
20	WEST BENGAL	06:24 pm	07:33 pm

Only some states are mentioned because of space.

## Editorial

Hello Readers,

Happy Reading☺

Love,

-Nidhi Aunty  
nidhiarora@hotmail.com

## Wednesday Champs!

The answer to last week's riddle is: 16 triangles.

Shabana Begum

### Congratulations Champ!

#### Well tried:

Sneha Vikram Vedpathak, Viraj Siddharth Vyshumpayan, R Poorna Midraa, Amodini Sharma, Arhan Mutha, Arshiya Gorsiya, R. Swetha, Sanjana – We love your honesty and hard work!

If all oranges are apples and some apples are pink, are some pink things definitely oranges?

A. Yes B. No

Hurry up Champs! Send in your answers to [tcpedit@gmail.com](mailto:tcpedit@gmail.com)

### Hack of the day!

To test if turmeric powder is unadulterated, take a little powder and add some soap solution to it. Real turmeric turns orange.

## Summer Recipe: Cold Coffee

by Preesha Jain

### Ingredients:

- 2 spoons of coffee
- 2 spoons of sugar
- 2 spoons of water
- 1 glass milk
- 6-7 ice cubes

### Method:

1. Add the coffee, sugar, and water in a bowl.
  2. Whisk with an electronic beater or a spoon till it is creamy.
  3. Transfer this mixture to a glass tumbler. Add some ice cubes and milk and enjoy!
- Tip: Pour the milk from a height to get froth on your cold coffee.

## Did you know?

Avatar Singh Cheema was the first Indian and the sixteenth person in the world to climb Mount Everest.

## Quote of the day

So many books, so little time.

— Frank Zappa



## Sports News: NBA: Phoenix Suns Set Record for Maximum 3 Pointers in a Quarter

**Phoenix Suns Arena (Phoenix, AZ), Apr 13:** In the NBA (National Basketball Association) match against Houston Rockets, Phoenix Suns set the record for most 3 pointers scored in a quarter. A 3-pointer is a basketball shot from beyond the three-point line. They scored 12 3-pointers, breaking the last record of 11 in a quarter. In a high scoring match, Phoenix Suns defeated Houston Rockets 126 points to 120 points. Scoring 26 points, Jae Crowder accounted for 8 of the 3-pointers, with 9 different players making at least one 3-pointer. Phoenix Suns, which has not made it to playoffs in the last 10 seasons, also moved to no.2 in the NBA rankings trailing by 2 points from Utah. *This news item has been written by Anirudha Bhargava.*

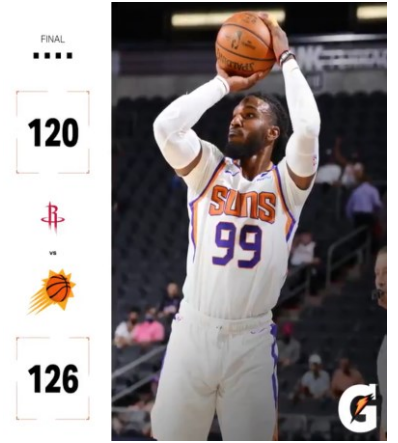


Image Credit: Twitter

Twist your tongue!!

Fine Freedom Finland Fires!

Image credit:

Gudi Parwa: Art by Neeraj Gangal

## Weather report of Mars Contd. from Page 1

Date	Air Temperature (Max. /min.)	Pressure (Pa)
4 <sup>th</sup> Apr, 2021	-6°F/-116°F	746
5 <sup>th</sup> Apr, 2021	-8°F/-118°F	745.9
6 <sup>th</sup> Apr, 2021	-12°F/-117°F	747.6
7 <sup>th</sup> Apr, 2021	-8°F/-117°F	746.6
8 <sup>th</sup> Apr 2021	-10°F/-118°F	746.4
9 <sup>th</sup> Apr 2021	-10°F/-116°F	747.3
10 <sup>th</sup> Apr 2021	-11°F/-115°F	745.8

Pa stands for Pascal. Just as we measure distance using metres (m) and weight using grams (g), we use Pascal to measure pressure. F stands for Fahrenheit; this is a unit for measuring temperature.

### Credits and Answers

This edition has been reviewed by Amrita Agarwal.  
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We love contributions! Please share all artwork, poems, writeups with us at [tcpedit@gmail.com](mailto:tcpedit@gmail.com)