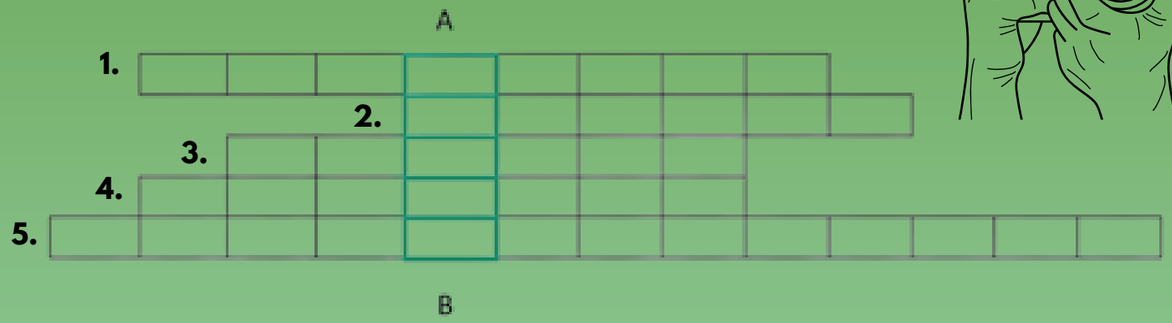
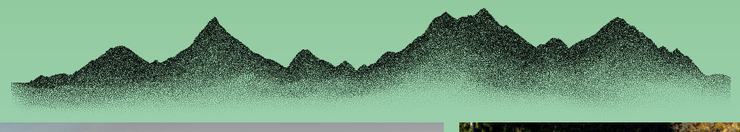
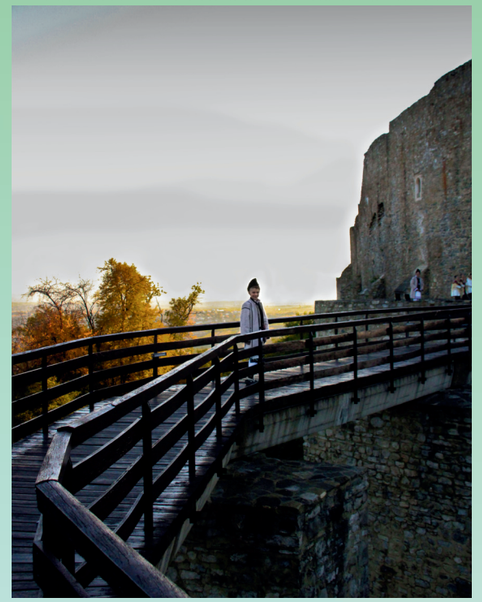
REBUS



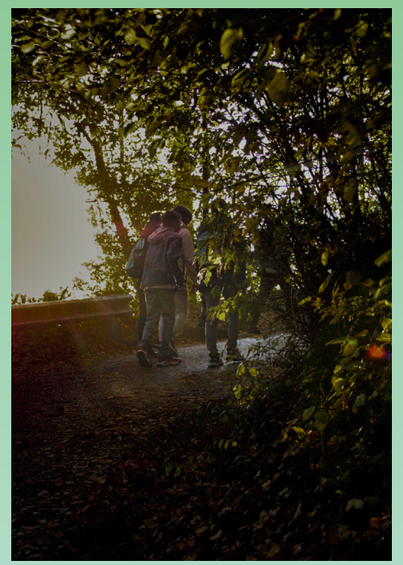


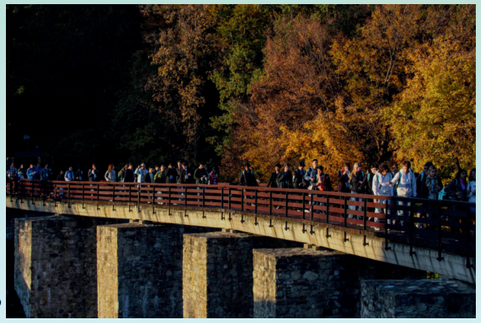
1. What is the event that marks the longest or shortest day of the year, when the Sun is at its greatest distance from the equator?
2. What do we call a large celestial body that orbits a star and does not produce its own light?
3. What is the extremely bright and distant active galactic nucleus powered by a supermassive black hole called?
4. Which planet is the closest to the Sun and is the smallest in the Solar System?
5. What word describes the type of field that surrounds the Earth and protects it from the solar wind?



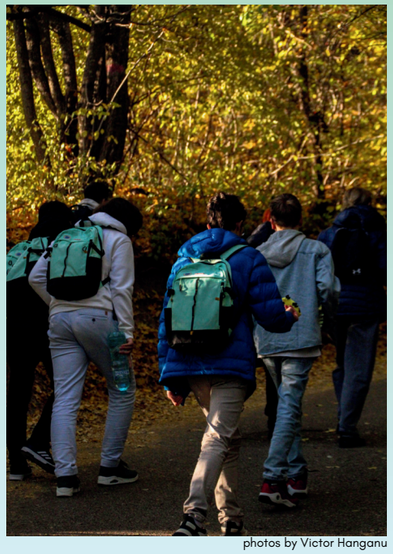












photos by Victor Hanganu

4.

-daily news-

ASTROPHILE

5 th edition

24 October, 2025
Piatra Neamț, România

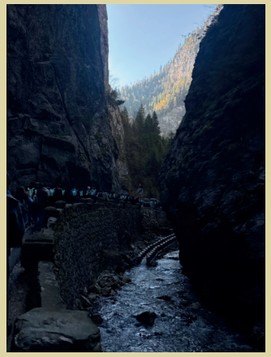




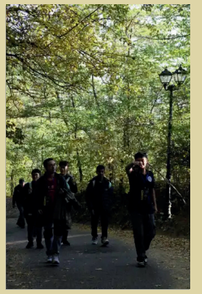


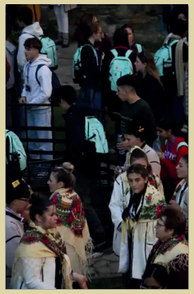
















Memories from the past day
(the 23rd of October):

A Day in Bicaz: Between Rocks, Lakes, and Laughter



On Wednesday, the IOAA jr participants went on their second trip – this time to "Cheile Bicazului" and the beautiful mountain area around it. The first stop was a short walk along the road between the huge cliffs. The view was amazing – tall rocks on both sides, a clear river running next to the road, and a cool mountain breeze. Some students laughed and said they were already tired after just a few minutes of walking, but everyone enjoyed the moment.

The next stop was "Lacul Roșu", a quiet and very beautiful lake surrounded by pine trees. It was formed after a landslide in 1838, and it got its name – The Red Lake – from the reddish color of the soil nearby. Everyone took photos, admired the view, and visited the souvenir stalls full of magnets, keychains, and handmade items. After lunch came the sweetest part – dessert! The students got to try "papanși", a traditional Romanian treat made with cheese, cream, and jam.

The last stop of the day was "Lacul Bicaz", also known as "Izvorul Muntelui". When the group arrived, they were welcomed with warm "brânzoaice" (cheese pastries), coffee, and tea – a perfect surprise before heading out on the lake. Then everyone got on two boats for a calm ride across the water. "Lacul Bicaz" is actually an artificial lake, formed by the "Bicaz Dam", the largest dam on a river in Romania. Built in the 1950s, it helps produce electricity and supplies water to the region. The view from the boats was peaceful – autumn colors covering the mountains, the sound of water, and laughter echoing between the boats. By the end of the day, the students were smiling, relaxed, and full of memories from one of the most scenic parts of Neamț County.









FIRST STOP









SECOND STOP









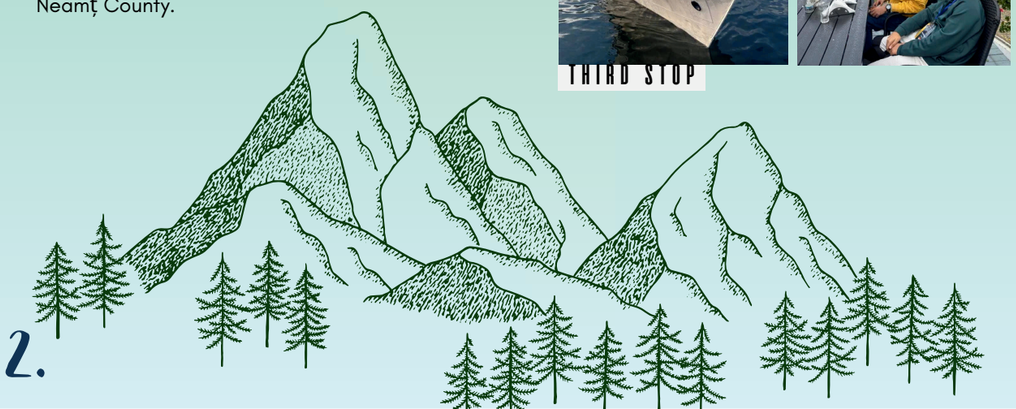




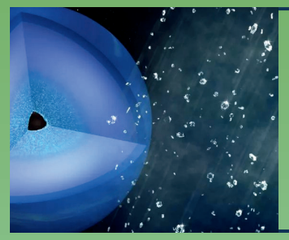




THIRD STOP

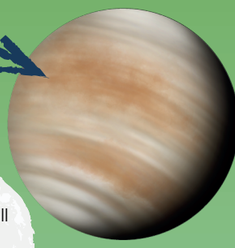


DID YOU KNOW...?



Did you know that a day on Venus is longer than its year? That means Venus spins so slowly that by the time it does a full spin, it's already gone around the Sun once. Wild!

Did you know that on Saturn it might rain diamonds? Deep inside the planet, with huge pressure and storms, scientists believe carbon may turn into diamonds as it falls. Super sparkly!



What do you call a tick on the moon?
A luna-tick!

Why did the moon skip dinner?
It was full.

LÁNGOS LOVE: THE FRIED SECRET OF LAKE ROSU

If you visit Lake Roşu and don't eat a lángos, were you even really there?
Locals say the secret is in the dough – soft, elastic, and left to rise slowly so it gets that perfect chewy texture inside and crunchy crust outside. And the best part? You can top it with anything.

Garlic sauce, sour cream and cheese, or even Nutella (yes, some people go sweet – no judgment here).
Ingredients:

- 500 g all-purpose flour
- 25 g fresh yeast (or 7 g dry yeast)
- 250 ml warm milk (or water)
- 1 teaspoon sugar
- 1 teaspoon salt
- 2 tablespoons oil
- Oil for frying





Over the past week, laughter, science, and countless stories filled every corner of Piatra Neamț. Friendships were made, memories were captured, and the stars above seemed closer than ever. Astrophile may end here, but its sparkle will stay.



Space isn't completely silent – it hums! NASA turned electromagnetic waves into actual sounds from planets and nebulae. The strangest one? Saturn's rings – they sing a deep, electric melody from millions of kilometers away.



RANDOM COSMIC WONDER

Movie Corner:
4 Films Worth Watching (Even If You've Seen Them Before)

1. **The Martian** - One guy stranded on Mars. No fancy aliens. Just guts, science, potatoes, and survival. If you ever wonder "Could I live somewhere else?" this one gives a strong "maybe, with lots of prep" vibe.
2. **Interstellar** - Mind-bending, emotional, visually stunning. The soundtrack alone feels like flying through time.
3. **First Man** - A look back at the life of astronaut Neil Armstrong and the legendary space mission that led him to become the first man to walk on the Moon on July 20, 1969.
4. **Alien** - After investigating a mysterious transmission of unknown origin, the crew of a commercial spacecraft encounters a deadly lifeform.