



Raven Newsletter #17

"Wild animals are less wild and more human than many humans of this world" -Munia Khan

CAGE THE CRUEL, NOT THE INNOCENT!!



Imagine, one fine day, you being dragged out of your sprawling house and caged inside a 20 feet by 20 feet cell with chains around your hands and feet with no hope of ever seeing your family again. You spend your days crying, craving fresh air, and good food, for love, care and attention. Every night you look out of the cell into the vast sky and recall how you used to sit under that infinite sky and count the stars. But now, even the freedom of the stars makes you envious. And on top of all this, you are being showcased in front of people like a clown and you see people enjoy this misery you've been put in! You get the first opportunity to get out and return home, but you never make it as you are brutally murdered if you dare to do so. Sounds scary, doesn't it?

This is exactly what we do to those magnificent beasts when we enslave them in a zoo. What gives us the right to encroach on their right to live? Why don't our hearts wail at the sight of the poor malnourished tiger who is no more than a carcass now? Who was supposed to be the king of the jungle, but now he has been reduced to a mere entertainer. Have you ever felt that rage of revenge and anger brimming inside you and how helpless it feels when you can't take that rage out and have to swallow it all because you know that **YOU CAN'T HELP YOUR SITUATION!** This is what we make them feel.

Humans are the most dangerous animals of all. He inflicts unbearable pain and misery upon others, and his morality seems to sleep in complete ignorance of what is right and what is not. The only way justice can be served to the animals is if somehow Darwin turns out to be wrong, and only if the roles could be reversed. Till that point, nobody and nothing is safe from the vicious clutches of the mentally evolved and morally depraved being, humans!

Team EnviSAGE requests you to not turn a blind eye to the crimes committed against these innocent animals, and also to their possible threats.

We at EnviSAGE are celebrating World Wildlife Week to raise awareness about the importance of Fauna on the Earth from 2nd October to 8th October by conducting various competitions. For more details, you can check our Instagram handle and be a part of our insightful competitions.

THE SEA TURNS RED



Dolphin hunting has been practiced for centuries in the Faroe Islands and has recently come under scrutiny after the mass killing of almost 1500 dolphins touched headlines.

The supporters of this tradition say that whaling is an important part of their cultural identity and also a sustainable way to acquire food from nature.

Others believe that mass slaughter is cruel and unnecessary. The numbers this year hit a new record, and this is something humanity should be ashamed about!

With the increasing number of species entering the endangered list, the mass killing of these stunning creatures should definitely be stopped.

THE DANCE OF LAVA SEEN AT LA PALMA: A VOLCANIC ERUPTION



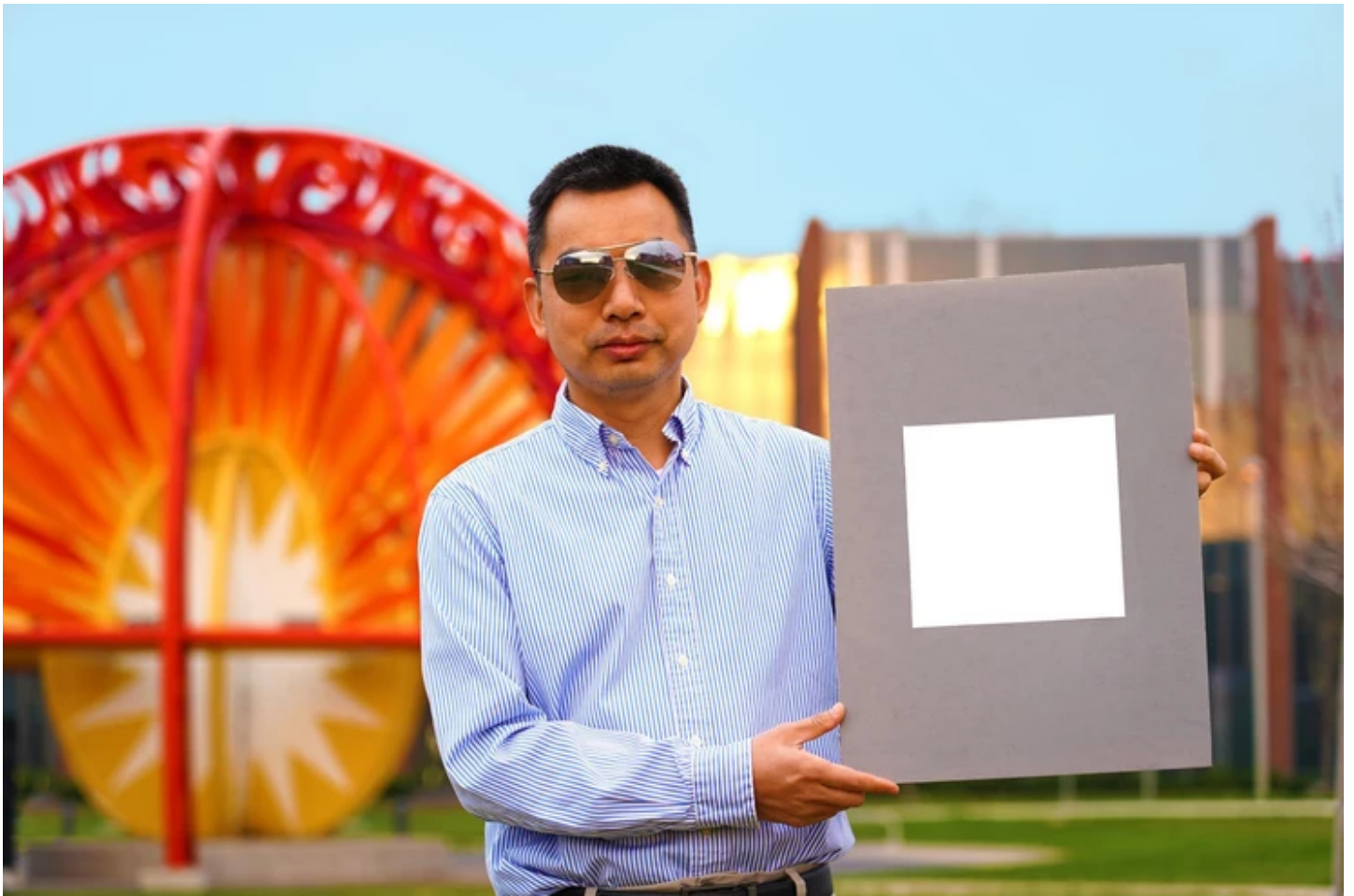
La Palma, you might be hearing this name for the first time, isn't it? La Palma is one of the Canary islands located near Spain, it has been facing continuous volcanic eruptions, causing threats to the citizens, tourists, economy, and most importantly, the environment, the eruption occurs and flows patiently and reaches the river bed which can be more deadly causing massive explosions triggering the toxic gas, this massive eruption caused thousands of native members to evacuate and eventually the visitors to La Palma, wasn't able to make it to the Airport as the authorities had shut down the Airstrip. Statistics prove the flow of lava is not under control, covering a vast area of lands (farmlands) around 637 acres, destroying nearly 500 buildings and 21 km of roadway. The volcanic eruption has cost the natives humorously, destroying their farmlands, buildings, and roadways and crashing the economy of a small island. Incidents have been reported of farmers trying to save their hard-earned, time invested in crops to grow, landing up into ashes, the dance of lava always flabbergasts in one way or another.

Beacon of Hope



The two Indian beaches, Kovalam in Kerala and Eden in Puducherry, are going to receive the prestigious certification of the Blue Flag tag this year.

World's whitest paint that eliminates the need for air conditioning



Want to save big on your air conditioning bills? Wait a few years to coat your home with the world's whitest paint, which may dramatically reduce or even eliminate the need for air conditioning. In the 2022 edition of Guinness World Records, the Guinness World Records title has been earned by the paint developed at Purdue University which is now available for purchase.

Interestingly, the goal of the researchers was not to break a record for the whitest paint but to curb global warming. "When we started this project about seven years ago, we had saving energy and fighting climate change in mind," said Xiulin Ruan, a professor of mechanical engineering at Purdue.

With the idea of creating a paint that would reflect sunlight away from a building, Ruan started researching with his graduate students at Purdue. The formulation of paint that Ruan's lab has created reflects 98.1% of solar radiation and at the same time emits infrared heat. The surface coated with this paint is cooled below the surrounding temperature without consuming power because the paint absorbs less heat from the sun than it emits. Using this new paint formulation to cover a roof area of about 1,000 square feet could result in a cooling power of 10 kilowatts, Purdue researchers showed in a published paper. "That's more powerful than the air conditioners used by most houses," said Ruan.

272 g of e-waste per transaction on an average: Study highlights Bitcoin's growing e-waste problem



The sustainability of Bitcoin, a digital currency is being called into question due to its increasing energy consumption. However, so far most studies have ignored that Bitcoin miners cycle through a growing amount of short-lived hardware that could exacerbate the growth in global electronic waste. E-waste represents a growing threat to our environment, from heavy metals and toxic chemicals leaching into soils, to water and air pollution caused by improper recycling, the situation is worsening each day. Economists from the Dutch central bank and MIT in the journal *Resources, Conservation and Recycling*, in a new study, highlight that a single Bitcoin transaction generates 272 grams of e-waste. They further added that "The lifespan of Bitcoin mining devices remains limited to just 1.29 years," the authors said. "The soaring demand for mining hardware may disrupt global semiconductor supply chains." According to Statista.com, Bitcoin's total e-waste production is still only 0.11% of the global estimate. However, the fact that platforms like Ethereum and Cardano have been cutting energy consumption by as much as 99% could make statistics like this troublesome for the world's most valuable cryptocurrency.

Climate-friendly cooling chips- are they the future of refrigeration



Chemicals used in air conditioning, freezers and refrigeration have long hurt the environment by destroying the ozone layer and polluting water sources, but technology is starting to change the way we keep cool. While the global warming impact has been reduced in recent years, refrigerants still have issues with toxicity and flammability. Phononic, a startup based in Durham North Carolina, is using a material called bismuth telluride to make so-called cooling chips.

Tony Atti, Phononic co-founder and CEO explained that "When electricity runs through the chip the current takes heat with it leaving one side of the chip to cool and the other to heat up." Depending on how many coolants are needed, the chips can be as small as a fraction of a fingernail or as big as a fist. So far they have been used to create compact freezers for vaccine transportation and for ice creams at convenience stores. It's about "cooling and heating our modern world responsibly, without toxic refrigerants," states the company.

What To Watch?

March of the Penguins



March of the Penguins is a documentary by intrepid filmmaker Luc Jacquet. The documentary takes you on a journey across frozen tundra to show the breeding rituals of emperor penguins and how the emperor penguins teach their chicks to survive in the habitat.

The True Cost



The True Cost is a documentary drama film by Andrew Morgan. The film shows how Andrew Morgan traveled around the globe to see the people who make clothes for the fashion industry. It discusses several aspects of the garment industry from production—mainly exploring the life of low-wage workers in developing countries—to its after-effects such as river and soil pollution, pesticide contamination, disease, and death.

What did you like about this fortnightly's The Raven? What did we miss? Let us know what you think:

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Curated with love by Kasturi, Akshita, Deepali, Shawn, Ayush, Ashmeet, Charu, Jyothika and Shivansh.