



# Point of View

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## SpaceX Satellites Causing Problems for Astronomers

by JENO SEONG

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Image Source: Starlink; Space.com

Starlink satellites by SpaceX company are creating problems for astronomers. Starlink satellites are launched into space for the purpose of creating a network around the earth that everyone can use in any place on earth. The problem that Starlink brings is that currently in 2023, there are about more than 8000 satellites launched into space, and there have been 3500 Starlink satellites among them.

The first problem is that there are so many of them orbiting around the earth and all the observable space of the earth. Starlink satellites create white lines when trying to picture space and cause hardships for people to observe space again like how it was. Starlink satellites are not even that hard to be observed; you can easily view them at night up in the sky. One of the most key values in astronomy is actually observing the space itself but due to Starlink satellites, the observation is not like what it was.

The second problem is that the satellites are connected in a way that is too compacted, causing just one problem in a satellite to destroy all the satellite systems. This causes humans to be trapped on the earth with all the space debris. Later on, humans won't even be able to study astronomy because they can't observe outer space and also can't explore space. The problem being is that in order for Starlink to create a complete network system, they would have to launch approximately 42000 satellites.

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## Colossal Biosciences' Plan to De-Extinct the Dodo

by YESEONG LEE

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Image Source: Colossal Biosciences

Dodo is a flightless bird that had lived on Mauritius. It is also famous as an iconic example of animal extinction by humans. Colossal Biosciences announced that they are going to de-extinct the dodo. Colossal Biosciences is the world's first de-extinction company, founded by George Church, who is a Professor of Genetics at Harvard Medical School. They also announced an attractive investment of \$150M because of the plan to de-extinct the woolly mammoth.

The first step to de-extinct the dodo was to decipher the dodo's genome. Shapiro, a Professor at the University of California, Santa Cruz (UCSC), did it. He announced that it had sequenced the dodo genome. However, we cannot simply de-extinct by cloning them like cloned sheep, Dolly. For mammals, the genome is implanted into an egg, which then develops into an embryo. It is how scientists make clone animals. However, it is not that simple for birds. Besides that, there are many problems, such as ethical problems.

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## How to Live Forever

by JIHOON CHOI

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Did you know that lobsters can live forever? If their ecdysis does not go wrong, where a foreign matter, matters such as glass, metal, or rubber gets in the exposed body, they can live forever.

Why can't we be like lobsters, where we become immortal? Two reasons can come to this conclusion: one sense being about the act of mother nature, and the other by the biological body.

When nature was in a situation where it needed to choose between the survival of the group or the individual self, it chose the survival of the group: reproducing. When our ancestors faced this, they chose to act to save the group, to reproduce humans for the human species' survival. We would not be here today if they had not chosen to act for the group. But reproducing causes one critical problem that we want to be able to fix; it is that we waste energy while reproducing. Even though we flourish and the species "Homo Sapiens Sapiens"(us) live, we were made to reproduce, thus shortening our life span.

Our body's biology acts in, too. When cells divide, DNA divides into two. This means that the divided cells, containing only segments of DNA, need repairing. In the process, DNA uses telomeres, which save and repair DNA, which is vital for the cell since it needs telomeres to live, grow, and function since DNA contains the order of those functions. Telomerase produces telomeres, so we can see that telomerase is very important. But as we grow older, telomerase's length decreases, thus decreasing our ability to give new cells life, and as a result, aging us. Lobsters have infinite telomerase, solving the question of why they can live forever.

If we study and research more about telomerase and its genetic sense, we may be able to increase our life expectancy.

## My Experiences in Six Centuries of Beauty in the Habsburg Empire

by JIYONG SIM

Six Centuries of Beauty in the Habsburg Empire is an art collection of the historical evidence and relics of the House of Habsburg during the Holy Roman Empire and the Austria-Hungary Empire, from Maximilian I to Franz Josef I. I visited the collection on January 5th, during the winter break. It took a long time to travel because the collection opened in Seoul, the National Museum of Korea. Nevertheless, I was excited to see paintings and items from hundreds of years ago, from one of my favorite places in history, Austria, Hungary, and France.



Image 1: A photo of a bowl by Ottavio Miseroni

Image 2: The Court Banquet to Celebrate the Engagement of Archduchess Marie Christine to Prince Albert of Saxony by J.G. Auerbach

Because I had to wait until the entrance period, I went to the library upstairs, full of historic books. The books looked really old, not only in Korean but also in English, Spanish, Arabic, etc. I recommend visiting this place if you have to wait for more than 30 minutes. (By the way, there are only historical books, not fiction, science, etc.)

After visiting the library, I borrowed a pair of earphones and a small phone with many mp3 files of the descriptions of the artworks from the entrance. The audio guide did not contain descriptions of all art in the collection, but it was still fine enough for the important ones. The descriptions were mostly about the emperors' stories and the culture at that time, and it was very interesting that almost all of the emperors loved art and collected many. Next to the portraits of the emperors, there were their armor and their collections. There were a lot of elegant artworks with details like Image 1.

Also, there is a 10-minute video in the hallway before going to the next part explaining the history of the Habsburgs and the Holy Roman Empire. Although it might be kind of long, I recommend watching the video because there are a lot of things to learn from the video, and it helps for a better understanding of artworks.

From one point, the focus of the gallery changes from the emperors to the artworks. Unlike the previous parts, where there were emperors' portraits and their collections, there were paintings of the normal lives of people during the Holy Roman Empire, such as some paintings of hunting weapons and landscapes. This part takes about half of the collection, and it is easy to be lost and skip some paintings because of the length of this part and the structure of the collection (The structure for this part is very unique in that it is not like a wide gallery but more of a maze with rooms, with four to seven paintings each in average, serving room's unique concept.). So, be careful not to go around the same place over and over, so that you can look at all the artwork and save time.

After looking at those paintings, I went to a grand hall that looked like a grand gallery with a lot of paintings related to France. There were paintings like The Court Banquet to Celebrate the Engagement of Archduchess Marie Christine to Prince Albert of Saxony, a grand portrait of Marie Antoinette, Maria Theresia, etc. Also, there were videos describing the characters in the Court Banquet, almost everyone from the family to the aristocrats. The video is quite long - about 10 minutes, like the video I mentioned before - but like the previous video, I recommend watching it because there are many things to learn. And after that, I relieved my stress by sitting on the sofa and listening to the music of Beethoven and Schwert, watching the overwhelmingly grand portrait of Marie Antoinette, which was more than the size of two portraits next to it. The best way to optimize the activities in the hall is to sit on the sofa for about 20 minutes and look at portraits of Antoinette and Marie Teresia. If I was to choose the most memorable part, I would definitely say the grand hall.

The last part was the fall of the Habsburgs and some spe-

cial activities. There was information about Franz Josef I, the founder of the Austria-Hungary Empire, and Elisabeth von Bayern, who is famous for her assassination and her last words, "What has happened?" Although von Bayern's portrait was small, compared to the ones that were in the previous room, and the descriptions were short, she was one of the most memorable persons, with the dramatic impact of her last.

Right next to that, there was a big room with a large glass wall protecting Korean armor. I also heard that there was a big surprise of Korean things before coming, but it was exceeding my expectations. It was a Korean armor gifted from Gojong to Franz Josef I, for a treaty between the Joseon dynasty and the Austria-Hungary Empire. While watching it, I felt an incomprehensible feeling about Korea and its history, which was, if I was put the indescribable feeling in words, sort of a combination of a delight to see a Korean thing and a surprise, etc.

Lastly, there were two monitors where you could write a short commentary about your favorite artworks. It's not mandatory to write it, but it is a great chance to rethink and review the artwork.

In conclusion, the collection was a great experience that I learned so many things and enjoyed. I wished I had written this earlier so that more people could have experienced this. The collection is until March 15, 2023, so if you have time, try to go as quickly as you can before it ends.

## Spirit Week

by SIOH PARK

Starting from February 20th to 24th, the school enjoyed an event called Spirit Week. Spirit week is a special event in ICS since students are allowed to wear specific clothes other than school uniforms. To wear clothes other than school uniforms, students should be worn according to the set theme, such as fixed color, tradition, or topic. The Spirit Week's schedule is the following:



A photo of Merry Monday

On Monday, students were recommended to wear green clothes. Any clothes with green color were fine to wear, including the original school uniforms. A lot of students wore

green-colored outfits, which helped symbolize our school's representative color. Green clothes helped the school by adding a fresh and bright atmosphere, and also a friendly mood. On Tuesday, the theme was a traditional outfit. Several students wore traditional Korean clothes, Hanbok, which fit the topic, and some students wore formal clothes, such as suits, dresses, etc. Wearing traditional clothes to school might be a hard choice to make, but as a result, most of the students enjoyed wearing or watching students who wore traditional clothes. On Wednesday, students were allowed to wear pajamas to school. Some students or teachers wore pajamas or comfortable outfits to school. Even though wearing pajamas to school might not be appropriate, sometimes, these themes help the school and people to refresh both their mood and feelings. On Thursday, the theme was to wear like ICS teachers. To dress like teachers, students should analyze how each teacher wears them often. Lastly, on Friday, which might be the student's favorite theme, was dressing freely. Most of the students wore clothes with their style. Overall, Spirit Week was a memorable event for the students, and also gave various, fresh moods for the school.

## An Interview with ChatGPT About the AI Issues Part 2

by JIYONG SIM

Q: Please answer the question by my school's principal: "How can my school newspaper club evolve synchronously with the advent of ChatGPT? Please provide a list of itemized tips."

A: Here are a few tips on how your school newspaper club can evolve synchronously with the advent of AI technology like ChatGPT:

AI tools for writing and editing: AI-powered writing and editing tools can help club members to improve the quality and efficiency of their writing.

corporate AI-generated content: The club could experiment with using AI-generated content to supplement their articles, such as data visualizations, summaries [,]or even full articles on certain topics.

Use AI to improve audience engagement: AI-powered tools can help the club to analyze reader engagement and tailor content to better meet the interests and needs of their audience.

periment with AI-powered chatbots: The club could experiment with using AI-powered chatbots to interact with readers and gather feedback on their content.



**Learn about AI ethics:** As AI is a powerful technology, it's important for the club to understand the ethical implications of its use, and ensure that the content generated aligns with the school's values.

**Learn about data privacy and security:** As AI is closely tied [to] data, it's important for the club to understand the importance of data privacy and security and ensure that the data they use is collected, stored[,] and used in a responsible manner.

**Use AI to improve efficiency:** AI-powered tools can help the club to streamline [its] workflow, such as automating certain tasks, scheduling post[s,] and analyzing data.

It's worth noting that AI is a powerful tool but it's not a replacement for human creativity and critical thinking. The club should strive to find the balance between utilizing the benefits of AI and maintaining the human touch and creativity in their work.

**Q:** The last time when I tried to meet you, the server was full of capacity, so I had to wait for about an hour or more. How can this problem be solved, so that the server can bear an infinite amount of people?

**A:** There are a few ways to increase the capacity of a server to handle more users: **Scale horizontally:** This involves adding more servers to the system to distribute the load and handle more users.

**Scale vertically:** This involves upgrading the hardware of a single server to increase its capacity to handle more users.

**Use a Content Delivery Network (CDN):** A CDN is a network of servers that are distributed around the world, which can help to reduce the load on a single server by serving content to users from a server that is geographically closer to them.

**Use cloud computing:** Cloud computing services such as Amazon Web Services, Microsoft Azure, and Google Cloud Platform allow for easy scaling and the ability to [provide] additional resources as needed.

**Optimize the code:** Optimizing the code of the application running on the server, such as reducing the number of database queries or using caching techniques, can help to improve the server's performance and handle more users.

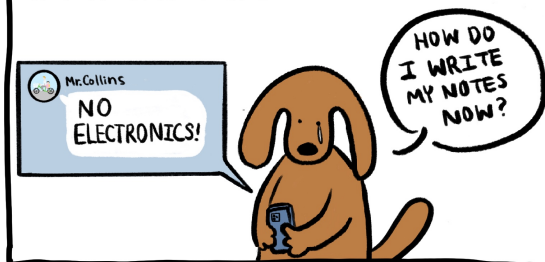
**Monitor and analyze:** Continuously monitor the server's performance and analyze the usage patterns to identify bottlenecks, and then use that information to make adjustments to improve the server's performance.

It's worth noting that, as the number of users increases, so does the complexity of managing and scaling a server infrastructure, and it may require a dedicated team of experts to manage it.

It's also worth noting that the problem may not be only the server capacity, but also the network infrastructure that connects the users to the server, so it's important to ensure that the network infrastructure can handle the number of users and the amount of data that needs to be transferred.

## STUDENTS' REACTIONS TO BANNING ELECTRONICS

### 1. THE SAD ONES



### 2. THE OPTIMISTIC ONES



### 3. ...





## Briquette Donation

by HYUNSEO KIM



On February 4, 2023, a coal briquette donation was organized. ICS Service club has arranged funding from January. With the money raised, the Service club had gathered 4,100 coal briquettes. The school wanted people to volunteer and come together to deliver the briquettes to places in Bupyeong. A total of 28 students volunteered to spend their time at this heartwarming event.

Briquette delivery took two hours in the morning, 10 am to 12 pm. Students delivered 1,500 briquettes to four different places in Bupyeong, and the rest were delivered by car. Students had spent their time and done hard work to help others. Nevertheless, it was a meaningful event for both school and students to have a chance of volunteering.

## Elon Musk is using his power to make his tweets at the top of the front page of Twitter

by JAEHYUN JUNG

Elon Musk has created a team of around 80 engineers to reformat the algorithms that run inside Twitter. This was to make sure that people could see Elon Musk's tweets more frequently. With this, more people will know more about Elon Musk's activities and opinions on certain events or objects. But, how did this happen?

On Sunday, in a Superbowl game in February, Elon Musk tweeted about this event. However, his impressions were only around 9.1 million people, while President Biden got around 29 million impressions. The worst part of this was that Elon Musk has somewhere around 128 million followers while President

Biden only had 38 million. After this, Elon Musk's cousin, also an employee of Twitter, requested that all employees that knew how to code participate in changing the algorithm. In this change, around 90

These changes were made publicly by Elon Musk. However, he stated that further adjustments would be created in the algorithm. With sudden changes rapidly appearing out of nowhere, would it still be possible for Twitter to remain a good social platform? Still, even though it looks like Elon Musk has started to use his power as the C.E.O., Twitter still hasn't been affected too much since only 90% of the people who follow Elon Musk would get his posts.

## The Return of Tiger Woods

by SIEUN LEE



Image Source: Reinhold Matay/USA Today Sports

In 1992, 16-year-old golf prodigy Tiger Woods had his first PGA tour, which started at Riviera Country Club in California. Thirty-one years later, Woods had achieved fifteen significant wins and 82 PGA Tours. However, two years ago, in February 2021, Woods suffered several open fractures at both the tibia and the fibula in his right leg during a car accident. Due to his serious injuries, he had not played in a PGA Tour event since the 150th Open Championships at St. Andrews.

After seven months of intense rehabilitation work, the news that Tiger Woods is competing in the 2023 Genesis Invitational, an event he will host for his TGR Foundation, had spread rapidly. The 2023 Genesis Invitational was from February 16th to 19th on the Riviera Golf Course. Woods had shot a 2-over-73 on Sunday, the final round of the Genesis Invitational, and finished the tournament 1-under, tied for 45th place. He had posted 3 birdies and added 5 bogeys in the 4th round and had a stronger outing on Saturday, round 3, in which he shot 4-under, finishing the day at 26th place. This score was marked as his lowest in any PGA Tour after 848 days.

## What is Wrong with Chelsea?

by BRIAN CHOI

Chelsea has shown results below expectations, resulting in 10th place in the Premier League. The fact that Chelsea, one of England's 'Big Six' clubs, is not in a position to qualify for any European competition is already humiliating. But the fact that they've already spent over £550 million pounds and are still at the bottom of the league adds insult to injury. So, how exactly did Chelsea manage to go from 3rd in the EPL to 10th in less than a year?

Chelsea began their summer transfer market off with a bang signing Raheem Sterling (£47.5m) and Kalidou Koulibaly (£33m). The plan for this offseason was clear, an upgrade in the right-wing position and a much-improved defense. But after these two signings, the whole trans market would become a nightmare for Chelsea. Chelsea has decided Sterling and Koulibaly were not enough improvements to their squad and have decided to sign Chukwuemeka (£20m), Cucurella (£57.5m), Wesley Fofana (£70m), Aubameyang (£10.3m), and Dennis Zakaria (£2.7m (loan) + £30m). Up to this point, Chelsea's transfer market was horrible, but not mediocre, due to their expenses not being as high as it is now. But it really hit the fan when the winter transfer market hit. At this point, Chelsea's hopes and dreams of a Premier League title were already shattered but that did not stop Todd Boehly from spending more money. Chelsea's spending spree of the winter transfer market began with the signing of D.D. Fontana (£10.6m) followed up by Benoit Badiashile (£33.7m), and Andrey Santos (£11.1m). Chelsea also picked up the Ukrainian phenom Mykhailo Mudryk (£62m), and took out a loan on Atletico's star forward Joao Felix (£9.7m). Noni Madueke (£30m) and Malo Gusto (£26.75m) were also picked up by Chelsea. And to top it up, Chelsea signed 2022 World Cup star Enzo Fernandez for £107.8m, shattering the transfer record in EPL set by Jack Grealish (£100m) in 2021.

With all the new additions to the club Chelsea still finds themselves at the bottom of the table and keeps on struggling day by day. At this point, it seems like Chelsea's half-a-billion pounds investment is disappearing into thin air. A tough challenge lies ahead of Chelsea and it would take managerial changes and better team chemistry in order to succeed in the future.

**Appendix:** Interview with Justin D. Koh, a Chelsea fan

Q: What do you think about Chelsea's current situation?

A: They are performing well below expectations.

Q: What is wrong with the club?

A: I don't know, but I can only guess that it is because most of their star players got injured at the beginning of the season. Sterling, Pulisic, Kante, and many more core pieces of this team have not played much.

Q: What do you think can fix this?

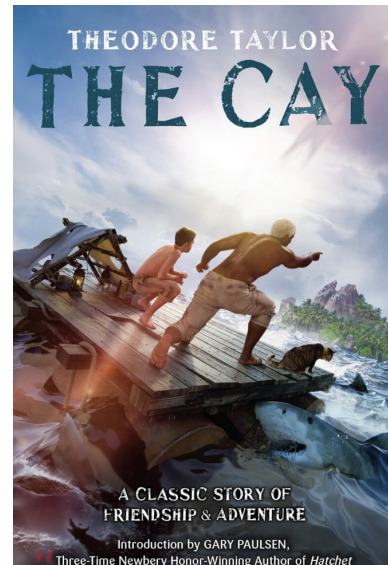
A: They should first change the coaches, and also the owners should sell the club immediately.

Q: Who is the most exciting signing?

A: Personally Joao Felix. Felix has already proved himself during his time in La Liga, he also has the largest loan fee in history.

## BOOK REVIEW: *The Cay* by Theodore Taylor

by DAHEUN LEE



*The Cay* is a book published in 1969 by Theodore Taylor. It takes place in 1942, in the middle of World War II. The main character, Philip, was abandoned in the middle of the sea after the attack of a German Ship. Philip falls down to a boat and meets Timothy and a cat there. Now their survival has begun. They have to reduce the amount of water consumed, gather food, make shelter, and send SOS for help.

*The Cay* is a coming-of-age story as we can see the main characters changing and developing as the story progresses. Philip was an 11-year-old boy who had rude, immature, and racist behavior toward Timothy in the middle of the story. However, at the end of the story, he takes care of sick Timothy and learns to respect and trust him. He has become a more developed, mature person.

I really enjoyed the book, and it was really good to see their survival and the changes in the main character's relationships. I would recommend this book to everyone who loves books and wants to read some books related to survival and relationships.

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## BOOK REVIEW: *The Hate U Give* by Angie Thomas

by SEJIN TENNANT

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*The Hate U Give* is a young adult novel that shines a light on the topic of racism, prejudice, and police brutality. The story starts by being narrated by the African-American protagonist, Starr Carter. Starr and her family live in a neighborhood full of gang violence and drug dealers. Not only does she have to deal with an elite school in the next neighborhood, but she also has to tell people the truth about the shooting and death of her best friend, Khalil, whom everybody assumes is a drug dealer. As of the tragic death of her childhood friend and her other friend who died when Starr was younger, Starr becomes rebellious to correct the wrong, prejudiced assumptions of society.

This is a very nice book because it shows how much damage could be caused by blatant discrimination. Because the officer discriminated against Khalil, he was killed, which was unfair. The narrative and perspectives were well thought out and I recommend you read this.

(Also, it is available in the Young Adult sections in the Lecture theater)

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***JOIN PAGERUNNERS  
THURSDAYS, 4 PM***

2001:  
A Space  
Odyssey

By Arthur C. Clarke

**MAR 23** 