

Vol. **69**
2021 Winter

SUNGKYUL UNIVERSITY NEWS



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◇ **Philosophy of Education : Well-fitted People of God**◇ **Objectives of Education :**

Christian leaders, Creative professionals, Autonomous service workers

◇ **Purpose of Establishment**

The founders established SungKyul University to provide a strong biblically-based education for church ministry in its various forms.

The University is committed to the Fourfold Gospel: Regeneration, Sanctification, Divine Healing, and the Second Advent of Christ. Holding firm the evangelical faith, it rejects modern liberalism and extreme mysticism of any kind.

Its doctrine remains the same as that of the early Holiness (SungKyul) Church, namely a scriptural Wesleyan-Arminian Faith.

It continues to provide an education based on the Word of God that prepares men and women for effective ministry in this ever-changing society to the glory of God.



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Closing Speech



President of Sungkyul University

Kim Sang-sik

Dear students! The semester began hoping to meet at school in the midst of COVID-19, but the semester ended without offline classes properly. Thank you for your hard work during the semester despite various difficulties. But what's clear is that the 'normal daily life' has begun little by little in our society.

Looking back on the COVID-19 situation over the past two years, in fact, we all did not expect COVID-19 to change our daily lives this much, nor did we prepare for it. As our lives faced a sudden crisis, the entire nation had to suffer in various fields such as society, economy, and education. Universities also had to introduce educational services such as online classes as they were converted to emergency operating systems due to the COVID-19 situation. In this situation, our university's faculty and staff have made many achievements by understanding and actively responding to the government's educational policies and directions.

Sungkyul University has been promised various financial support and incentives by the Ministry of Education by 2024. By securing these

government finances, our university is not only improving the educational environment to create an educational environment that students are more satisfied with, but also providing a lot of scholarships to students.

In addition, in order to improve the quality of education even in difficult situations of COVID-19, many achievements have been made, centering on the Education Innovation Center and the Learning Support Center. The Education Innovation Center continued to support the development of classes that applied learner-centered teaching-learning methods such as flipped learning and PBL (Problem Based Learning) for professors in the second semester. In addition, we tried to improve professors' capabilities by holding seminars on how to use advanced technology in university classes.

For students, we supported students to have various experiences and effective learning by activating Study and Tutoring system to relieve the isolation they feel in online classes, conducting Student-Led-Problem-Solving projects, and improving creative thinking. In particular, we hope that our university will further develop the quarantine management system and the online/offline 2Way education system established in the COVID-19 situation so that it can be used well even after the COVID-19 situation.

Sungkyul University's family, whom I respect and love! Now, ahead of the new semester in 2022, we have to prepare for our return to our daily lives. First, we need to build a new education system in a

new environment. Our university plans to gradually switch to face-to-face classes according to the Ministry of Education's policy. We will introduce a learning support program that can solve students' learning deficits and social exchanges due to the prolonged COVID-19 and establish a safe face-to-face education environment. In particular, we will create a system that can continuously utilize remote contents developed through the operation of the 2Way education system, and enable online and offline class innovation to continue.

Second, in order to operate a student-centered university that can revive students' majors and characteristics, we will promote a "specialization strategy" centered on parents from 2022. We will establish a communication system with members of the university centered on the undergraduate department to make major decisions, and focus on strengthening the university's capabilities so that it can autonomously develop and operate programs specialized in its major.

At Harvard University, called for developing the power to turn a crisis into an opportunity by feeling a sense of crisis himself. We hope our students will grow into leaders of the future society in response to the changes brought by the Fourth Industrial Revolution amid a sense of crisis. I hope our students will be healthy and full on campus in the new semester of 2022.

President of Sungkyul University

Kim Sang-sik

Sungkyul University Industry-Academic Cooperation Foundation selected the 2022 School Arts Instructor Support Project

Sungkyul University's Industry-Academic Cooperation Foundation (Director Jung Hee-seok) is in a joint project with the Ministry of Culture, Sports and Tourism and the Ministry of Education, "8 areas of Gyeonggi Province (Korean traditional music, theater, film, dance, cartoon, animation, crafts, photography, design)." It has been selected as an operating organization for six consecutive years.

The School Arts Instructor Support Project is operated in cooperation with the Korea Culture and Arts Education Promotion Agency and the Gyeonggi Provincial Office of Education, and is a large-scale government support project with a budget of about 7.6 billion won.

This project improves students' cultural sensitivity, personality, and creativity through linking art and public education, and visiting professionals in each field, contributes to revitalizing school culture and arts education, and supports artists to engage in art creation and educational activities.

A total of 36.6 billion won was secured from 2017 to 2022 in connection with the school art instructor support project, and for the sixth consecutive year, projects to revitalize culture and arts education in Gyeonggi Province were able to be promoted.

Sungkyul University's Industry-Academic Cooperation Foundation has been providing customized educational administrative services, including operations and preemptive civil complaints considering Gyeonggi Province's vast regional characteristics over the past five years (2017-2021).

In response, Professor Lee Won-hyun (Director of Business Operation Division) of Sungkyul University said, "Sungkyul University's Industry-Academic Cooperation Foundation has been operating its business in a systematic and professional environment." He also said, "To prepare for new future education, we plan to operate more stable projects focusing on leading culture and arts education and establishing a regional culture and arts education ecosystem."

The 2022 School Arts Instructor Support Project will run from January to December 2022. Prior to the start of the project in earnest, the recruitment of operating schools will be selected until December 2021, and art instructors will be assigned to each operating school in Gyeonggi-do.

By reporter **Choi Jun-suk**

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The Department of Global Logistics Produces Logistics Experts!

In the Department of the Global Logistics (Professor Jeong Tae-won, Head of the department), 34 people passed a total of three fields (Bosesa / Origin Manager / Logistics Manager) in the second half of 2021.

This achievement is the result of customized intensive guidance by level after checking students' preferences and directions for career search after graduation by all professors in the Department of Global Logistics. This is a valuable achievement that students and professors have worked together through overseas internships and logistics professionals training projects

by the Ministry of Oceans and Fisheries and the Ministry of Land, Infrastructure and Transport over the past decade.

Professor Jeong Tae-won, the head of the department, said, "We will work together to foster talented people with outstanding capabilities so that our new Department of the Global & Logistics can become the best undergraduate of Sungkyul University in 2022."

By reporter **Park Chan-Woo**

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Professor Lim Byung-woo Won a Citation

Professor Lim Byung-woo of the Department of Social Welfare at Sungkyeol University won the "Minister of Health and Welfare" at the "31st National Welfare Conference for the Elderly" held at the Yanggu Cultural Welfare Center in Gangwon-do on November 10.

Professor Lim Byung-woo contributed to the welfare of the elderly at home through the activities of researchers at the Korea Home Welfare Association's Home Elderly Welfare Research Institute, and received commendations for his contribution to the develop-

ment of social welfare communities.

Professor Lim Byung-woo said, "As Korea enters a super-aged society by 2025, we will do our best to establish legal and institutional foundations and develop guidelines for the transition to elderly care systems such as welfare and long-term care for the elderly."

By reporter **Kim Gun-Hwi**

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The Infinite Possibility of K-contents Shown by Squid Game.

The U.S. entertainment industry is buzzing over the unexpected home run of the squid game. This is because Netflix's original Korean drama, which lacked prior publicity in foreign language content, is truly making a splash by sweeping Netflix charts not only in the United States but also around the world. The U.S. media is showing a keen interest by pouring out dozens of articles, including the bare face of capitalism drawn by the Squid Game, hidden double track in the drama, and clothes and props worn by the characters.

Squid game that showed the power of K-content in the US market.

According to Felix Patrol, which provides the popularity ranking of major OTT (Over-the-Top: A service that provides media content such as broadcast programs and movies through the Internet) services by country, the squid game topped the list of popular American dramas for the first time on September 21, four days after its release on Netflix on September 17, and has remained at the top for 18 days so far on October 8.

Netflix, which has 174.7 million subscribers (estimated by eMarketer in February 2021) in the United States alone, is considered the king of the OTT industry. As such, the influence of Netflix hits on viewers and markets is also great. In the drama, Korean children's games, where the main characters risk their lives, props in the play, and costumes worn by characters are all becoming hot topics.

The tracksuit worn by the squid game participants, The host's jump-



suit and mask, and VIP's mask have reserved popular costume seats for Halloween Day (October 31) this year. The Wall Street Journal reported the popularity of squid game costumes ahead of Halloween. The newspaper said that if you search for "Squid Game Costume" on Amazon, more than 2,000 products are searched, and numerous posts are already posted on Instagram as "#SquidGameCostume" before Halloween.

The reason why squid game is so popular.

The popularity of Korean video content in the United States was already predicted. In the past decade, content consumption channels have rapidly shifted from public broadcasting, satellites, and cables to OTT, and COVID-19 has accelerated this change. Netflix was in the process of using the Korean Wave to preoccupy the Asian market and securing ownership of K-drama, which allowed U.S. viewers to access more Korean content.

The talk of the town online is the top contributor to the success of squid games. The Squid Game depicts inequality and conflict between

classes in a capitalist society that the world can sympathize with in a new way. Americans were also enthusiastic about the fresh shock and exotic attractions of the material and directing, and the hot popularity was reflected in social media and online communities, producing numerous stories and so-called memes. The tremendous word of mouth effect that spread online quickly brought Squid Games, which had no significant pre-marketing in the U.S., to the top of the chart.

Prospects and implications.

The success of the squid game is meaningful in that it has expanded the popularity of K-dramas, which has been limited to enthusiasts in the United States. As Netflix, which leads the OTT service market, proves the marketability of Korean series, investment competition among world-class OTT service companies is expected to intensify.

Max Boot, a famous U.S. columnist, said in a recent Washington Post that the success of Squid Games is a prime example of the benefits of globalization and free trade, opening up a vast market for the U.S. entertainment industry and no longer monopolizing the domestic market for U.S. content. As the online conversion and globalization of content consumption facilitates the penetration of the Korean Wave in the U.S. entertainment industry, Korean content is expected to show in the market. It seems that it is necessary to steadily develop competitive content so that this popularity can continue.

By reporter **Na Gyeong-Bin**

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Best seller “Human Disqualification”

"Human Disqualification" is a novel published in 1948, and was written by Dazai Osamu, who committed suicide at the young age of 39. The overall mood of the book is dark. This is because the protagonist himself contains the process of realizing how he is losing his qualifications as a human being. The work consists of a preface, a review, and three handwritten letters by the speaker "I" and "Yojo," the main character of the work. Yojo couldn't understand other humans from birth. So, to be assimilated into the world, he becomes a person's antics, but is repeatedly frustrated, eventually addicted to drugs, and attempts suicide. However, Yojo, who survived repeated suicide attempts alone, is kicked out his home. As a result, he becomes a "human disqualified person" waiting for death in a remote country house. In fact, Yojo, who was too pure to belong to the human world, represents the appearance of humans living in this era.



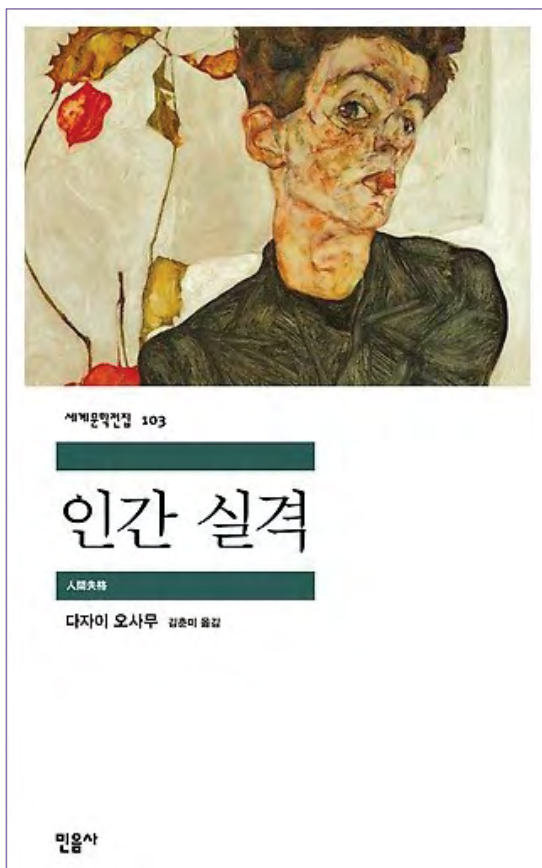
The work excellently describes human weakness. It is a novel about the process of pure and soft-hearted young people being destroyed without enduring the hypocrisy and cruelty of human society. The inner side of the protagonist, who fell into a human disqualified person without belonging to any world, was recorded as a meticulous psychological description.

Dazai Osamu's works all collapse with the defeat of the older generation's values, ethics, and morality in the war. Accordingly, it contains efforts to reject everything belonging to the existing society and start anew. This work which is Trying to adapt to society somehow and a record of defeat in which the protagonist who tried to court humans is eventually betrayed by everything and becomes a human disqualified person, In that sense, it can be said to be a sharp accusation literature against modern society.

'I've wanted others to kill me several times in my life, but I've never thought I wanted to kill others. Because I thought it was rather giving happiness to the other person.' Through this phrase, it can be seen that the author thinks death differently from other people. He seems to think that death is like happiness. It is certain that he is not a person who has lived a normal life. This is because the perspectives on the world are different.

The author committed suicide a month after publishing "Human Disqualification." I don't know how he feels, but if it's not love that I finally confessed at the end of my death, but a "shameful life," of course, I've never thought of love or happiness. What's interesting is that the woman's problem was complicated by a person who doesn't seem to feel love. He is an unknown writer and a person.

I highly recommend this book to people who just became adults. This is because it makes it possible to know that there are various people in the world, and when you see the reactions of the people reading this book vary, you can see that each person feels differently. It is a book that can receive a fresh shock.



By reporter **Kim Ae-Ri**
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Street Woman Fighter's Craze

Mnet's survival program Street Woman Fighter's craze continues. Street Woman Fighter is a program in which talented Korean female dancer crews compete and select the final first place to find the best female street dancer crew in Korea. The Fight Judges are BoA, Taeyong (nct), and Hwang Sang-hoon, all of whom are idol singers or choreographers belonging to SM. A total of eight crew members participated, including Hollybang, Hook, La chica, Coca-N Butter, YGX, Prowdmon, Want, and Wavy.

Recently, the "Hey Mama" dance challenge made headlines. Many good dancers participated in this challenge. When I think of "Hey Mama," the impact of Street Woman Fighter performers was so great that I thought of the dance performed by Noze, the head of Want, before the original singer. The content parodying their dance is also a hot topic. It is a "street comedian fighter" created by comedians with similar but ridiculous names to dancers and adding comedic elements. They made a fun parody of Street Woman Fighter's battle dance.

Street Woman Fighter's initial survival method was the weak point battle. Their reaction videos, such as a musical battle between LipJ (Prowdmon) and Peanut (La-chica), a musical battle between LipJ (La-chica) and Peanut (La-chica), a touching narrative of HoneyJ (Hollybang) and Rihei (Coca N Butter), and a battle of young generation of Aiki (Hook) who made a dramatic impression with their performance. Personally, I am confident that the dancer who made the biggest buzz is LipJ(Prowdmon). Along with Gabi, LipJ's buzzword "Hey~" was copied and parodied by many TikTokers, YouTubers, and SNS uploaders, and as they noticed the trend, LipJ conducted a "Hey~" course on Instagram live broadcasts.

The costumes worn by these performers also led the trend of street fashion. The costumes they mainly wore were hip-hop fashion from the 1990s, wide pants, jogger pants, beanies that cover their foreheads, and sneakers. These clothes are ranked in the hot keywords under the women's rankings in the shopping mall store created by targeting teenagers and people in their 20s. They are all clothes that dancers would wear. Since Street Woman Fighter became



a hot topic, the unique costumes worn by the cast are no longer just dancers.

Many of the dancers who appear are choreographers who create idol choreography drafts or backup dancers who help the idol's stage. In the dance scene, many of them are also professors and students. However, they competed fairly in Street Woman Fighter, throwing away all their social status and age. They said they received a lot of love through the program and felt a lot of changes, such as being treated differently from before. The public also paid more attention to the culture of "dance" and became enthusiastic as the subject of creating the stage together, not the background of the idol stage. Street Woman Fighter, which received a lot of love and attention, is currently ending with nine episodes.

The ranking of these crew members is not memorable to the public. What the public remembers is their dance, philosophy, and their existence. The street woman fighter craze has attracted many people to the world of dance. Do you like dancing? Or are you hesitating about dancing? Dance culture is not just for dancers. Why don't you wear a beanie and jogger pants and dance happily like the dancers in Street Woman Fighter?

By reporter **Kim Se-Jin**
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△ Bhutan

The Best Overseas Travel Destination

Bhutan

Several countries often compete for where the last Shangri-La on the ground is, but Bhutan is also the most likely. The small country, located in the Himalayas, strictly implements a tourism policy under the slogan "high level, low impact," so you have to pay an expensive tourism tax every day just by stepping into the pine-filled mountain that leads under the temple. Instead, travelers who pay can enjoy the benefits of walking along the mountain paths that those who live with nature have kept clean according to Buddhist teachings. Bhutan is the only country in the world with negative carbon emissions. Thus, there is only one thing left to be beautiful day by day. In addition, there is even a daily environmental charge, so it will not be crowded with tourists.

Morocco

Morocco, where you can enjoy both stylish eco-friendly accommodations and historic tourist attractions, restaurants cooked with seasonal ingredients, and wellness beach resorts where you can enjoy yoga and surfing at the same time, is emerging as a popular destination. In addition, infrastructure has been improved to make it much easier to move by car, and Africa's first high-speed train has been opened, allowing it to travel from Casablanca to Tangier in two hours. In addition, Marrakesh was honored to be selected as the African cultural capital in 2020 on behalf of Morocco in recognition of its rich cultural heritage value. Let's enjoy the quiet atmosphere of a mountain village where the



Werber people live, a remote beach in the Atlantic Ocean, and a distant desert.

Uruguay

If you don't have Uruguay on your bucket list destination in South America yet, make sure to add it. Uruguay, which is quietly stable like an oasis amid political and economic turmoil as the entire continent, is showing an aspect of advanced countries dealing with social issues from a progressive point of view, legalizing marijuana to match its status in recent years and officially recognizing the rights of LGBTQs. Uruguay is the only country in South America where democracy has been properly implemented and has consistently been praised as a leader in sustainable travel and environmentally friendly policies. Enjoy the mysterious and beautiful scenery, including the beach of the Atlantic Ocean and the open pampas.

Costa Rica

Costa Rica has declared sustainable tourism. This small country is rich in biological groups, attracting many people who want to see sloths hanging from trees with sleepy eyes, red-eyed frogs, and whales wandering through the Pacific Ocean. Costa Ricans have welcomed outside travelers because they know how important it is to preserve countries such as tropical heaven, while seeking ways to coexist with various creatures. Thus, 90 percent of the energy consumed in the country was replaced by renewable energy. If you like adventures, go hiking in the volcanic area, take a zip line, and enjoy yoga and hot springs when you need time alone. Puravida, which means "pure life," is not just an expression often used in Costa Rica, but a way of life.

By reporter **Kim Hae-yong** rlagodyd8@naver.com

Metaverse



Humans have always been in the real world, but high-tech pioneers are dreaming of other options. In other words, digital avatars of ourselves and people around us work together in each community and around the world, shopping, attending classes, and enjoying the same hobby, that is, "Metaverse". Metaverse is a compound word of the English word 'meta,' which means "virtual" and "transcendence," and 'universe,' which means the universe, and refers to a three-dimensional virtual world where social, economic, and cultural activities such as the real world take place. Metaverse is a concept

that has evolved one step further than VR (a state-of-the-art technology that allows people to experience real life in a computer-made virtual world), and is characterized by not only enjoying games or virtual reality, but also social and cultural activities such as real life.

Metaverse already exists everywhere in our daily lives. These days, when non-face-to-face is a daily routine, digital offices using metaverse have been created. Through these digital offices, not only work but also recruitment of employees and training for new employees are provided in metaverse, where there is no time and space limit. Active research is being conducted among ICT companies that collect and deliver information. In addition, Naver Jet's 3D avatar app "Geppetto" is a representative metaverse game. It is gaining popularity among young people because they can communicate through their own avatar. Geppetto can also design and sell items worn by avatars, which leads to actual profits, enabling economic activities.

In addition, people are tasting some of the metaverse through immersive video games and virtual concerts. Experts expect the virtual space, called Metaverse, to become a much more powerful world that attracts people than it is now. With complex three-dimensional graphic implementations, you can accurately describe the real world as well as do what is possible

only in your current imagination. For example, everything will be possible on the metaverse, such as walking on the moon in pajamas, watching baseball on the pitcher's mound, or becoming a fantastic animal unicorn.

The co-founder of Abibazib Keyhole, who has been working in metaverse essential fields such as VR and AR for more than 30 years, cited privacy protection as a critical task to be solved before realizing metaverse. We hope to have the right infrastructure and system to get the best results for privacy protection, Bazib stressed.

Meanwhile, there are voices of concern that it could adversely affect mental health. Canadian psychologist Rachel Cowert, who studies gamer mental health, said, "There is a possibility that you would prefer to live on a metaverse to the real world. Especially children are at a higher risk. Children should learn how to behave or relate to the world mainly through colleagues or exchanges, he warned.

In addition, there will be problems with the information gap that generations unfamiliar with IT technology will feel and moral problems arising from the anonymity of avatars. For the positive development of Metaverse in the future, it seems necessary to establish a proper system to cope with education, welfare, and anonymity for Metaverse along with the development of technology.

By reporter **Na Gyeong-Bin**

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Personal Mobility

Can it be a Mainstream of Transportation?

Walking along the street, you can easily find shared e-scooters parked everywhere. It is not uncommon for proxy drivers to ride electric wheels to catch calls, and to see people delivering food using electric bicycles. Personal mobility (hereinafter referred to as PM) is spreading more and more in our society.

The concept of "simple single-person transportation" has been around for a long time. In reality, the beginning of PM is regarded as Segway. At the time of its appearance, Segway received favorable reviews that were close to praise for its easy driving methods, stability, and convenience. However, due to the high price of 7 million to 10 million won, it failed to popularize, making it difficult to have more significance than the "expensive toys" of the wealthy.

However, due to the improvement of battery technology, lightening, and price reduction, about 1 million won of products have begun to appear, and even products that can be used for 200,000 won to 300,000 won are emerging as low-end products.

There are several types of PMs, but there are four main types of PMs that are most commonly used these days.

The first is an electric scooter. Electric scooters are relatively easy to learn and are popularly familiar through shared e-scooters, so they are the most commonly used PM.

The second is the electric wheel. It is a product that maximizes portability by miniaturizing Segway, and drives by applying Excel/Brake/rotation by recognizing the weight of the body using a gyro sensor.

The third is the electric bicycle. It is a product that is equipped with a battery-powered motor on a general bicycle, and is treated in the same level as a general bicycle, so it is good for beginners.

The last one is an electric skateboard. It is a product equipped with an electric motor on the existing skateboard, and although the steering method is the same as a skateboard, it accelerates/decelerates with a controller using Bluetooth.

These PMs are increasing the number of users due to advantages such as convenience of movement, reduction of travel time, and eco-friendly means of transportation, but various disadvantages and problems are also emerging.

First of all, PM is dangerous. Most PMs have speeds of

25 km/h per hour, which are slower than regular vehicles or motorcycles, but much faster than human walking speeds (4 km/h). Of course, if an accident occurs, not only oneself but also the other party will suffer great damage. Nevertheless, most people ride without even wearing minimal safety equipment, and despite being classified as a vehicle, problems are caused by people driving at high speeds on sidewalks where people travel.

In addition, since PM is mostly a motor-driven method using batteries, its performance deteriorates in winter. If left discharged for a long time, permanent damage to the battery may occur, so it is inconvenient to periodically check the state of charge even when not in use for a long time. Furthermore, regular inspection and management are also required because it is driven through an electronic sensor or controller. If so, can PM with these shortcomings become a mainstream of transportation in the future?

To begin with, the answer is yes. And there are two main reasons for this conclusion. First of all, this is because the number of PM users continues to increase. Of course, the trend of users fluctuates depending on the Korean government's regulation, but from a macro perspective, the number of PM users is gradually increasing as each year passes.

Next, it is expected that the mainstream of the means of transportation will gradually move from the internal combustion engine to the electric device. As environmental pollution caused by pollutants generated by internal combustion engines is emerging as a global problem, transportation powered by electric vehicles and electric bikes will gradually become the mainstream of the market. And in the future, PM will become one of these means of transportation.

By reporter **Wi Young-bum** bum5046@naver.com



Apple **vs** Samsung, Blood-splashing Competition



Smartphones currently occupy a large part of our lives. It is expected that South Korea's 5G subscribers will surpass 20 million at the end of this year. This seems to have been affected by competition between Samsung Electronics and Apple for new products. Both are national information technology companies that make smartphones, and the two are always comparable. As LG liquidates its mobile business, competition for market share between Apple and Samsung is expected to begin in earnest in the domestic market. Samsung Electronics' Galaxy Z series and Apple's iPhone 13 are expected to compete in the second half of 2021.

First of all, in September, Samsung Electronics made a winning move with a "foldable" smartphone that is called the core of innovation and folds its display. Samsung Electronics calls it the "Z Series." The Z series released this year has two types of "fold" that folds sideways and "flips" that fold up and down like shells (clamshell). Apple's new product, which will compete with this phone, is the iPhone 13 series. The iPhone 13 series will be released in the same way as the previous one, with four types: iPhone 13 Mini, iPhone 13, iPhone 13 Pro, and iPhone 13 Pro Max.

If you compare iPhone 13 Pro and Galaxy Z Fold 3, Samsung Electronics' Galaxy Z Fold 3 is dominant based on simple high-performance specifications. The iPhone 13 does not have a multitasking function, so it cannot run two windows of the same app side by side like the Galaxy Z Fold 3. In addition, the durability and waterproof function of the Galaxy Z Fold, which has been strengthened this time, are unlikely to catch up. An official from a mobile carrier said,

"The MZ generation tends to value individuality, so the preference for iPhones that have already become popular is not the same as before," raising expectations for Samsung Electronics. The Galaxy Z series recorded the highest number ever in Korea, and positive analysis is pouring out that the results will be different from the release of the last model, which had no opposing horse.

On the other hand, Apple's iPhone 13 was criticized even before its release. These are criticisms arising from the fact that the design has not changed much and that unlike Samsung Electronics, there is no innovative technology. However, contrary to concerns that a crisis will come due to criticism that nothing has changed, the U.S., China, and South Korea are even doing well, even making it impossible to sell it. The initial performance was much better than expected, and it was so successful that it was expected to record sales as much as the previous iPhone 12, which had the best performance ever.

During continued competition between Apple and Samsung, an industry official said, "The key to the match in the second half is not 'technology' but 'share,'" and explained, "Who occupies more vacancy in LG phones will determine the outcome." For the purpose of market share, the latest phones that do not differ in technology from previous ones may appear, focusing only on design. Consumers think of this point and hope to consume it by considering technical aspects in addition to design.

By reporter **Kim ga-young**
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The New iPhone 13

Apple announced the iPhone 13 series on September 15. iPhone 13, 13mini, 13pro, and 13promax were released in four series, the same as the previous one. There were no expected specifications or innovations, but they are still receiving keen attention. Today, we will look at the changes and specifications from the iPhone 13pro to the mini compared to the previous model.

1. The iPhone's notch has been reduced by about 20%.

What was expected was that notches such as punch holes would disappear, but Apple failed to remove them and decreased by 20% compared to the iPhone 12. From the front, there is a lot of difference, but in fact, nothing has changed significantly except that it is thought to have decreased.

2. Camera arrangement and camera protrusion increase.

The iPhone 13 and 13 mini have been changed from a straight dual camera to a diagonal arrangement. And decisively, while increasing camera performance, the size of all 13 series of cameras increased and the protrusion increased. Compared to the previous work, it is possible to immediately check how much the camera's protrusion has increased and the camera performance has been improved, but it is inevitably a disadvantage.

3. Performance.

This iPhone 13 series is equipped with an A15 bionic chip, and the six-core cpu is the same, and the 13 and 13 mini are equipped with four-core gpu, and the pro and pro max are equipped with five-core gpu. Apple claims to be up

to 50% faster than its competitors' products.

4. Camera.

The iPhone 13 and 13-mini wide-angle cameras capture 47% of light through the 1/1.6 aperture to reduce noise, while ultra-wide-angle cameras support 120 degrees of view. In addition, it is equipped with a sensor shift (OIS), which was applied only to professionals in the previous series.

The iPhone 13 Pro and Pro Max are the same specification, and the wide-angle camera is equipped with a 1.9 sensor, the largest iPhone camera ever, allowing it to capture more light and take clear and bright photos even in low illumination situations.

In the case of videos, a cinematic mode was also applied to all iPhone 13 models that automatically captures and focuses on the movement of people or objects.

5. Usage time and battery.

Compared to the previous one, iPhone 13 usage time increased by 1.5 hours for 13 and 13 minis, and Pro and Promax increased by 2.5 hours.

6. Weight is the biggest drawback.

The iPhone 13 is heavier than the previous one 12. The iPhone 13 is 173g, an increase of 11g from the previous one, the 13mini is 140g, an increase of 7g from the previous one, the iPhone Pro is 203g, and the max is 238g, an increase of 12g. There were many reviews that the previous work was heavy, but the weight of this series increased more than that.

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iPhone 13 mini

iPhone 13

iPhone 13 Pro

iPhone 13 Pro Max

Do you know how Halloween started?

In October, everyone looks forward to a special day. It's October 31st, Halloween Day. Halloween Day is a festival held throughout the United States on the eve of Christmas Day, a Christian holiday. Then, when did Halloween originate? Let's find out!

Halloween Day, which has been observed as a big festival in Europe and the United States, such as the United Kingdom, originated from the Samhain Festival, an Irish Celtic custom, around 500 BC. Celtic New Year's Day is November 1, when winter begins, and they believed that even if a person dies, the soul stays in another person's body for a year and goes to the afterlife. In other words, on October 31, the last day of the year, people thought that the dead would choose their partner to live in for the next year, and they dressed as ghosts and made the house cold to prevent the spirit of the dead from entering. At this time, there was a custom of dressing up strangely so that those who were afraid of harming evil spirits mistook themselves for the same evil spirit, which became the beginning of Halloween Day.

Then, as the Roman Empire conquered the Celtic people and Christianity came in, Pope Boniface IV set November 1 as All Hallows' Day. And the previous day became All Hallows' Eve, which later changed to Halloween, leading to today. Since then, British Puritans have moved to the United States, and Halloween festivals have become a national festival in the United States.



Until the mid-19th century, Halloween in the United States was a small local festival held by Scottish and Irish immigrants who had kept Celtic customs. However, Halloween began to spread in the 1840s when 1 million Irish people moved to the United States due to the Irish Great War, and now it has become a representative festival in the United States. In addition, it has now developed into a festival enjoyed by the world.

When Halloween comes, many people enjoy the festival by walking around shouting "trick or treat!" or wearing various clothes. However, after the coronavirus appeared, the virus has not been able to meet more people and enjoy Halloween like they did before. So, while staying at home this year, why don't you enjoy Halloween while reading movies or books with a creepy and horror atmosphere like Halloween? Also, it would be nice to create an atmosphere for Halloween at home or to create a jack-o'-lantern to celebrate.

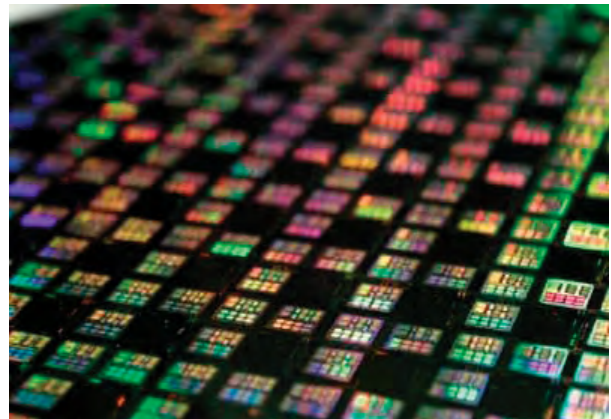
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Is South Korea The Most Tech Savvy Country in The World?

In the late 50s South Korea faced financial struggles. They'd just come out of the Korean war that ended in 1953 and had quickly become one of the poorest countries in the world. To turn things around in the 80s and 90s the government pumped a lot of money into future proofing spending billions of dollars building a fiber backbone to bring broadband to every school, office, and home. Government backing with healthy competition a dense urban population and a culture ready to engage with tech making it near impossible for other countries to mimic. In less than a decade it went from a 3 internet penetration rate to more than 75. And in 2017 they hit the top spot with an average internet speed. Not to mention free wifi just about anywhere you go. Dazzlingly fast internet speeds changed Korean culture. South Korea has managed to transform itself into one of the richest countries from less than a century ago being one of the poorest and it's not slowing down.

When I travel abroad, I have a lot of experiences where Wi-Fi is not built or it is too slow. Even if I traveled to the U.S. and Canada, there was no country with Wi-Fi everywhere and fast internet like Korea. The Internet plays a very important role in the modern information and communication society. It's an era where you can do everything through your phone when you have Wi-Fi. As shown in the video, South



Korea is the fastest country in the world with Internet speed, Wi-Fi speed, and electronic devices. I thought about why it could be like this. In Korea, there are three sides of the sea and North Korea is located in the north. Although it is a peninsula country, it is the same as an island country. As a result of considering geographical and underground resource factors, fiber industry was fostered by government.

As a result of hard work, the Internet has been the fastest in the world and the best country in the digital industry. The Republic of Korea is still growing. It is not complacent, it is constantly trying. I am proud to be a Korean in that Korea, which was the poorest country in the world until a few decades ago, is now one of the best countries in the world.

As the Republic of Korea has shown the world, it has shown that if you do not give up and continue to make efforts considering your environment and conditions, you can become the best in the field not far away. As the Republic of Korea has shown, I will work hard to be the best in my field.

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What's Wrong with the Weather?

"It was summer a week ago, but this week is winter.", "Autumn is less than a week away."

It's not a wrong story. It took more than half a month for the lowest temperature in Seoul, which was 21.7 degrees on October 5, 2009, to drop to 0 degrees. The lowest temperature in Seoul is around mid-December. It feels like the season has suddenly moved from summer to winter.

The lowest temperature officially recorded on October 17, 2021 was the lowest since October 2002. By the way, the days when the temperature dropped below zero in 2002 were 27th and 28th (0.4 degrees below zero and 0.3 degrees below zero, respectively), which means that this weather did not appear until late October in 2002. How about the temperature in mid-October? According to data from the Meteorological Agency, the lowest temperature on October 19, 1957 dropped to minus 0.4 degrees Celsius. In other words, we are having the coldest October in 64 years.

The reason why it's so cold is because of the cold air coming from the north, but now the atmospheric pressure distribution over the north of South Korea is pulling the cold air to extremes and causing very strong winds.

Let's take a look one by one. First of all, if you look at

the weather map 5.5 kilometers above the Korean Peninsula, there is a strong low pressure near Manchuria, north of North Korea. The low pressure created a strong tornado counterclockwise, and a cold wind of more than 60 degrees north blew near the Korean Peninsula. If the air is covered with cold air like this, the air will also become cold.

There is literally a situation here where the worst comes to the worst. If you look at the weather map on the ground, there is a large high pressure on the right and a low pressure on the left, centered around Manchuria, China. High pressure produces clockwise and low pressure produces counterclockwise wind, and when left and right high pressure conditions overlap, the two forces combine to create a very strong wind downwards. Such a strong wind blew vertically on the Korean Peninsula. As a result, we have an environment where cold air is stronger than other regions.

Cold weather returns soon, but health is slower than usual because of the sudden cold weather. I hope that all of you and those who do not read this article will have a healthy autumn.

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Climate change, it's not about the future anymore

In the area of Zhengzhou, Henan Province, China, 292 people died and more than 370,000 people were displaced in the first record heavy rain in 60 years in July, and a large forest fire broke out in North America and lasted for more than two weeks. Every year, records of heavy rain, heavy snow, drought, heat and cold waves are breaking throughout the world. Natural disasters caused by abnormal weather are hitting the world. Climate change is no longer a future event, but a threat that is happening now.

Scientists have pointed to "global warming" as the cause of such frequent abnormal weather conditions. Global warming doesn't just mean that the Earth gets hotter as we think it is. As the temperature rises, the amount of evaporation in the ocean also increases, so the atmosphere holds more water vapor, resulting in an increase in precipitation worldwide.

The increased precipitation leads to an increase in sea level, leading to an increase in the ratio of the Earth's surface to the ocean, resulting in an increase in water evaporation as well as a major problem of "reducing solar reflectance."

White reflects light. The Antarctic



and Arctic, made up of white snow, have covered the Earth's surface with white to reflect solar energy, preventing the Earth from increasing temperature. However, due to global warming, white snow gradually melts and the surface reflectivity of the entire Earth decreases, eventually accelerating warming as a larger amount of solar radiation is absorbed.

This temperature rise eventually led to a 6% increase in maximum wind speed and 24% per hour average precipitation per hour in recent typhoons and hurricanes compared to the past. This is because typhoons and hurricanes become stronger as more water vapor increases in the atmosphere.

As such, global warming does not just increase the temperature of the Earth, but causes more frequent rain, causes more powerful and frequent typhoons and hurricanes, and makes the Earth hotter through a vicious cycle.

Currently, some scientists argue that climate crisis/emergency/collapse should be called instead of climate change, and say we have entered a serious situation where the expression "Earth heat" should be used instead of global warming. In addition, they express concern that the current abnormal climate and the Earth, which is gradually heating up, will get worse in the future and may have already exceeded the limit of self-purification only by the power of nature.

Dr. Cho Chun-ho of Atmospheric Science said, "We are the first generation to recognize the climate crisis and the last generation to prevent danger. The next generation can't stop the crisis," he stressed the seriousness of the problem and argued that carbon emissions, which have a big impact on global warming, should be reduced as soon as possible and that everyone should be aware of the seriousness of the situation and come up with measures

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Refugees Invade Europe



Europe has been suffering from refugee problems for a very long time. This is because refugees from all over the world continued to enter Western Europe, where security is stable and rich. However, the refugee problem was not serious because refugees could not cross the border carelessly during the Cold War, when soldiers thoroughly controlled the border and maritime boundaries. However, after the Cold War, the problem began with tens of thousands of refugees occurring in the Balkans, including Albania and the Yugo Civil War. However, at that time, refugees were limited to the extent of Italy and Greece, so other European countries did not pay much attention to refugee issues, and the number of refugees was not so large.

Hundreds of thousands of refugees have occurred since the 2003 Iraq War in the early 21st century, but not many have entered Europe. However, the 2010-2011 Arab democratization movement caused numerous refugees across the Middle East and North Africa, and they began to enter Europe on old and small ships or walk recklessly. From this time on, Europe

gradually learned about the seriousness of the refugee problem, and the seriousness began to emerge as the European economic crisis hit.

In addition, since 2015, victims of the Syrian Civil War have joined the ranks of refugees bound for Europe, and since then, the number of refugees trying to enter Europe has increased rapidly. Before the Syrian Civil War, the number of refugees entering Europe was as high as tens of thousands, but now it has increased to millions. As the number of refugees increases exponentially, countries such as Europe, Canada, the United States, and Turkey are skeptical about accepting refugees and are passive, even if they do not refuse or refuse to accept them.

The position on refugee acceptance is also largely divided in Europe. Europe's left-wing camp supports refugee acceptance, and as a basis for that, it presents "moral responsibility," "human rights," "humanitarian response," and "resolving the aging problem of aging." On the contrary, the right-wing camp opposes refugee acceptance, citing "economic burden," "increase in crime rates," "increase in social confu-

sion," and "risk of terrorism."

As the COVID-19 situation is gradually being resolved, the refugee problem, which has been out of the world's attention for a while, is rising again, overshadowed by the seriousness of the COVID-19 crisis. In the first half of 2021, about 21 million refugees from around the world left their hometowns and headed to other countries.

However, Europe, which suffered problems due to refugees in 2015, is gradually responding passively to refugee acceptance, and the U.S., an economic powerhouse, is also sticking to a negative stance on refugee acceptance.

As such, the number of countries that accept refugees is gradually decreasing. In countries such as Germany and Sweden, which accepted refugees through tolerant inclusion policies a few years ago, far-right parties are gaining ground, and Western countries that have failed to curb refugee forces that hurt democratic values are no longer likely to provide shelter to tens of millions of refugees.

By reporter **Kim Gun-Hwi**

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Electric Vehicles Industry -Threaten Internal Combustion-

The era of electric vehicles has come. The electric vehicle industry is also growing rapidly as demand for electric vehicles increases rapidly around the world. Just a few years ago, it was very difficult to see electric cars on the road, but as of 2021, the penetration rate of electric cars has also grown so much that it is easy to find them wherever you go.

As such, the growth of the electric vehicle industry can be said to be an indispensable result due to complex factors such as the desire for eco-friendliness and the regulatory and technological development of each country. So, what is the difference between an electric vehicle and an internal combustion engine vehicle? There is a hidden side to the growth of the electric vehicle industry, and the reason is the fundamental difference between electric and internal combustion locomotives.

1. Decrease in the number of parts.

Electric vehicles and internal combustion engine vehicles are very structurally different. And the biggest difference is the power source. Unlike internal combustion engines that run engines by burning fossil fuels, electric vehicles move motors using electricity accumulated in batteries. In other words, the biggest change in electric vehicles is to exert power through a motor instead of an engine.

Accordingly, engine-related parts disappear, and the transmission, which is a component that transmits the power of the internal combustion engine, also disappears.

Many of the auto parts are used to make engines and transmissions, and in electric vehicles, engines and transmissions are replaced by motors and batteries. As a result, the number of electric vehicle parts is reduced by about 10,000 compared to internal combustion locomotives, and the maintenance and repair costs of automobiles are greatly reduced.



2. Maintenance industry.

The automobile maintenance industry is also one of the things that is damaged by the growth of the electric vehicle industry. In the case of an electric vehicle, if there is a problem with the battery, it must be repaired by the car's sales company.

The number of electric vehicle parts is very small compared to internal combustion locomotives, and battery failure is an area that cannot be done by general technicians. Therefore, as the electric vehicle industry grows, the automobile maintenance industry will shrink rapidly.

3. Gas station.

It is very clear that gas stations will also decrease rapidly. Internal combustion locomotives will not disappear in a few years, but it is very clear that the number will decrease rapidly. For gas stations that earn profits from selling fuel, the decrease in internal combustion engines is very fatal, and in the end, it will be difficult to operate gas stations only with fuel sales revenue.

It is inevitable that certain areas are damaged by changes in the industrial structure. Also, if the change is inevitable, there are no other options other than keeping up with the trend of the times. In fact, we directly experienced the expansion of the non-face-to-face industry and the contraction of the offline industry due to COVID-19 this year. As such, industries face continuous changes due to technological advances or diseases, and as a result, the growing and declining fields are divided.

Currently, all automakers are in a situation where they have to seek answers to upcoming changes due to the growth of the electric vehicle industry.

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Keep an eye out for us!

For any comments or opinions, please kindly direct them to us.

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