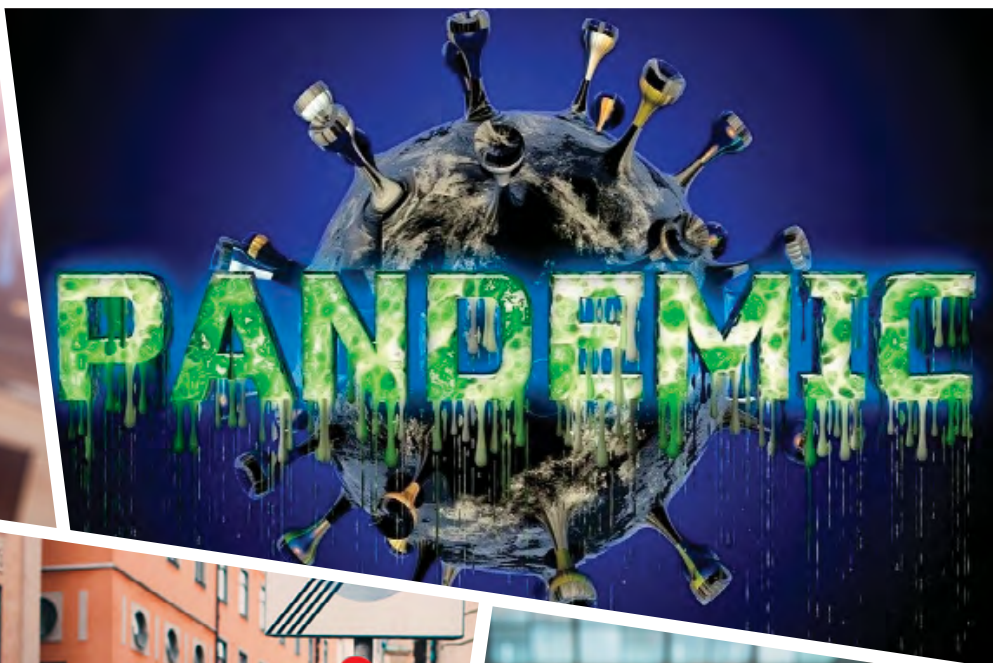


Vol. **63**
2020 Summer

SUNGKYUL UNIVERSITY

NEWS



CAMPUS

- COVID-19 Response Social Distancing Guidance
- Film and Video Major, Nomination of 21st Jeonju International Film Festival
- Introduced by Harman Group's case study, the school's XR center, Immersive Studio.

SOCIAL

- Danger of Smombie

LIVING

- How to enjoy your time in quarantine



03 THE PRESIDENT'S ADDRESS

04 CAMPUS

- COVID-19 Response Social Distancing Guidance
- Film and Video Major, Nomination of 21st Jeonju International Film Festival
- SKU was selected as an 'excellent' university in the evaluation of the operation of the University Job Center in 2019 And As the best institution in the field of cooperation at career exploration ... Awarded commendation from the minister of education
- Introduced by Harman Group's case study, the school's XR center, Immersive Studio.
- Han Jong-gil, dean of the Global College of Management and Technology took office as the first chairman of The Korean Association of Shipping and Port Societies under the Ministry of Oceans and Fisheries

08 SOCIAL

- Danger of Smombie

09 LIFE

- A Fire-breathing Fish Cardinal Fish

10 SOCIETY

- Emergency Disaster Relief Fund

11 IT

- iPhone SE 2020 : Lots to Love, Less to Spend

12 ECONOMY

- Dumbbell economy

13 GLOBAL

- Global Economic Crisis - The COVID-19 Shock

14 ISSUE

- Frozen man, can he come back to life?

15 BEAUTY

- Do you want to whiten your teeth?

16 LIVING

- How to enjoy your time in quarantine

17 ECONOMY

- COVID-19 and Stock market

18 MOVIE

- The Miracle We Dream of : INVICTUS

19 SPORTS

- KBO League's First Live Overseas, Unexpectedness and Disappointment

◇ **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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The Closing Speech



Acting President
Han, Jong-gil

In the name of Jesus Christ, the Lord, who protects us from the danger of the Corona virus, I would like to say hello to all the students at Sungkyul University.

The first semester of 2020 began in global danger of the corona virus, which came without notice. I was so sad that I couldn't see the students on the campus, classrooms, and restaurants when the new semester started and should have been crowded with students. I think this situation must be even more difficult for the new students of 2020. Even after achieving the big dream to go to college, it must have been very difficult to take classes at home without going to any club activities and traveling with seniors and juniors.

Dear family of Sungkyul University, the world is changing so much due to coronavirus.

With the prolonged immigration restrictions and segregation of foreigners, major changes have occurred in the working and living environments. Due to social distancing, people are refraining from meeting and going out, and human relationships are changing.

In addition, globalization, which was based on the premise of the free movement of people and things, is also stopping, and the global economy, including Korea,

has been hit hard by the unemployment caused by the corona virus and the decrease in personal consumption. It is said that the economic crisis caused by the corona virus will have to wait until at least 2022 to fully recover.

Sungkyul University students! In a couple of years, there will be tremendous innovation in global production, logistics and consumption networks. Indeed, after the corona virus, telecommuting, online education, and online medical care are becoming a norm, and it is changing ways to converse and solve problems through online meetings. After the corona virus crisis, an era of "With-Virus" will become common, and not an era of Virus-Free. We must gather wisdom to cope with this.

Dear students! Our university is continuing its efforts to turn the crisis into an opportunity for preparation of the post-Corona era. Since the corona crisis, our university has also produced online lectures this semester and has been focusing on campus disinfection, facilitating disinfection of facilities and management of visitors with the active help of staff and students. In addition, during the vacation, we will intensively develop teaching methods for reinforcement and upgrade of online lecture equipment. In recognition of our efforts, our university was selected as an excellent university by overcoming nearby universities in the Ministry of Education's University Innovation Support Project, and received an additional support of 1 billion won.

Furthermore, our university was selected by the Ministry of Maritime Affairs and Fisheries and the Ministry of Land, Infrastructure and Transport as a university for logistics manpower business.

Through this, about 1 billion won was also provided, and over the next 5 years, about 30 students will be provided with overseas internship opportunities every year.

Students of Sungkyul University! I know you are having a very hard time with financial problems and time goes very slowly because of the Corona-Virus. But the years in our 20s is a valuable time in our lives to determine the three years of our 40s, the ten years of our 50s, the life after our 60s. What you do over the year determines your future. Rather than spending your time meaninglessly, when you wake up in the morning, it is recommended that you think deeply about what you are going to do today for a minute and prepare for the day.

Even if it is difficult to travel abroad, take this opportunity to travel around the country, serve your neighbors who are suffering more than you, and spend at least 10 minutes a day studying foreign languages.

Family members of Sungkyul University! I'd like to comfort you who have had a hard time in the first semester of 2020, and I hope to see you on campus with a smile again in the new semester.

June 4, 2020

Acting President, **Han, Jong-gil**

COVID-19 Response **Social Distancing Guidance**

- Related to the official document of the Ministry of Education's student health policy (2020.05.05).

The Central Disaster and Safety Countermeasures Headquarters has finalized the guidelines for keeping distance in life from 2020.05.06 (Wednesday).

Social distancing, which was promoted from 2020.02.29, has changed from enhanced social distancing to living distancing as the infection gradually enters a lull.

Accordingly, here are the following public and private rules.

- Meetings, outings, and events are allowed in principle on the condition that they comply with the quarantine guidelines.
- Public facilities will be phased out in consideration of risks.
- Stay at home for 3-4 days if sick.
- Keep a healthy distance of two arm's length between people.
- Wash your hands or use hand sanitizers for at least 30 seconds
- Ventilate living space a lot and perform disinfection periodically
- Make sure to wear a mask properly. (Respiratory symptoms,

Visits to medical institutions, Use of public transportation, etc)

• 3 Steps of Social Distance

Step 3	※Based on the results of the crisis assessment, Adjusting distance re-strengthening, etc.		Enhanced Social Distancing
Step 2	Social distancing		Prohibition of principle, Compulsory measures (public) Suspension of Operations (private) Recommendation of discontinuance, Restriction of type of business
Step 1	Living distancing	Limited allowance	
	Acceptance of principles, compliance with guidelines Exception industry restrictions	(public) some operations (private) self-recommendation, restrictions on the type	
Social distance	Individual, Group hygiene control		

Please take care of your health in hot weather.

For other inquiries, please contact a public health center (031-467-8386).

Film and Video Major, Nomination of 21st Jeonju International Film Festival

At the 21st Jeonju International Film Festival, one of the best film festivals in Korea, two films by graduate of Sungkyul University were selected.

△ 2020 Jeonju International Film Festival Korean Long-Term Competition

Director Kim Jong-jae was honored to be named in the final 11 films of the Korean Long-Term competition with his first feature film, "Midsummer Madness."

△ 2020 Jeonju International Film Festival Korean Short-Term Competition

Director Yoo Jun-min, class of 2012, was selected for the Korean Short Film Competition with his short story "Expiration Date" and once again became known for his high level of film and video major in this college.

As the works of our graduate and students are selected every year, the status of this college is also increasing. Please keep an eye on the development of our college's theater and film department.

By reporter **Kim Chan-wung** chanwunga@naver.com

**SKU was selected
as an 'excellent' University
in the evaluation of the operation
of the University Job Center in 2019
And
As the best institution in the field of
cooperation at career exploration ...
Awarded commendation
from the minister of education**

On May 20th, our campus was selected as an 'excellent' university, the highest grade, in the evaluation of the operation of the 2019 University Job Center organized by the Ministry of Employment and Labor and Korea Employment Information Service.

The University Job Center business integrates and links employment and foundation support functions in the university to provide one-stop employment services to local youths and is supported by the Ministry of Employment and Labor to guide youth employment policies and progress programs linked to related agencies such as employment centers and local governments.

In December, our campus established a solid foothold as an excellent institution for career employment that received a commendation in the field of cooperation at career exploration from the minister of education.

Furthermore, the center prepared an entire collaboration system to receive systematic guidance during campus life so designed subject and non-subject systems and linked with integrated capacity development systems received favorable review for establishing a job-track road map to support students' rational career choices.

Under the development strategy of 'Building a consumer-centered career employment system', the JobPlus (job+) program tailored to the characteristics of each department was developed to provide education about students' career, duties, practice, and employment courses to suit their duties and occupations, helping a total of 4,622 students (85.1% of students) find jobs. Based on this, the employment rate rose 5.3% year-to-year.

Also, the University Job Center has become a local employment and foundation representative institution that opens Career and Employment Counseling programs to both enrolled students and local youth.

The President of the university, Yoon dong-chul said "The achievements of the members of the campus' joint efforts have paid off; by strengthening the position of excellent university and establishing a career employment support system customized to consumers. We'll do our best to help students set their career early and lead to smooth social advancement after graduation through systematic programs established by the University Job Center."

By reporter **Kang Jae-eun**

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Introduced by Harman Group's case study, the school's **XR center**, Immersive Studio.

For the first time in Korea, a studio that embodies Dolby Atmos stereoscopic sound in a university, is a world-renowned achievement.

The Immersive Studio of this school's XR(Extended Reality) Center was introduced as a case study by Harman International Industries, Inc. Sungkyul University's immersive studio is a studio that built a 7.1.4-channel system with Dolby Atmos format, and was the first Korean university to be installed up with the XR Center.

Harman Group is a U.S. sound company with various brands including JBL, AKG and Lexicon and was taken over by Samsung in 2016. In addition to home sound and professional sound, it has recently become prominent in the sound of cars, supplying not only Hyundai-KIA but also Mercedes-Benz, BMW and Audi with a car audio system.

Immersive Studios at Sungkyul University's XR

Center is the first Korean university to perfectly embodies Dolby Atmos systems.

It has created the latest sound system in the university to provide students with a better listening environment and provide guidelines for a new sound paradigm. Eleven speakers and one sub woofer are all JBL products, and the studio, which uses Crown's power amplifier and Dante Network Audio system, is being used for students' innovative and research in the era of the Fourth Industrial Revolution.

Yoo Hyun-sik, head of the XR Center at Sungkyul University, commented on the introduction of the case study. He said "I'm happy that Sungkyul University's immersive studio has been recognized globally," and added, "We'll continue to focus on fostering talent suitable for the era of the Fourth Industrial Revolution with innovative education and active research."

By reporter **Na Gyeong-Bin**

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Han Jong-gil, dean of the Global College of Management and Technology took office as the first chairman of The Korean Association of Shipping and Port Societies under the Ministry of Oceans and Fisheries



Ministry of Oceans
and Fisheries



Recently, Professor Han Jong-gil, dean of the Sungkyul university's Global Management Technology University, took office as the first president of the Korea Maritime and Port Academic Association under the Ministry of Maritime Affairs and Fisheries. The Korean Association of Shipping and Port Societies was established on April 27, 2020 with the approval of the Ministry of Maritime Affairs and Fisheries for the promotion of academic activities in the nation's maritime and port logistics sectors.

The Korean Association of Shipping and Port Societies is the only official maritime research organization in Korea established by the Korea Shipping and Logistics Association, the Korea Port Economics Association, the International Commerce Association, the Korea International Trade and Trade Association, the Korea Maritime Law Association, and the International e-Business Association. The purpose of the project is to promptly respond to the rapidly changing global shipping port conditions and the international trade environment, while fostering member organizations for the promotion of maritime port logistics and international trade academic promotion and contributing to the enhancement of national prestige through the development of the maritime port industry.

Professor Han Jong-gil's term is two years from January 1, 2020 to December 31, 2021, also Professor Sohn Seung-pyo of our university participated as secretary general to the council.

By reporter **Kim Hwa-rang**

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Danger of Smombie

Have you ever used your smartphone while you're walking along the street? According to a smartphone usage survey, 95.7 percent of respondents have used smartphones while walking, and 23 percent of those people said they have come close to causing accidents because of it. So, a new word has been created for those who only look at their smartphones. It's a new word called "Smombie". The word Smombie refers to a person who walks like a zombie with his head down on the sidewalk looking at the screen of his smartphone, just like the way a dead body walks without a soul. Thus, the combination of the words "smartphone" and "zombie" create the word "Smombie". This word was first used in Germany in 2015, and satirized generations who were overly obsessed about smartphones. When you walk with a smartphone, the range of sound recognition is 40 to 50 percent less than usual, and the width of the field of vision is 56 percent less. Focusing on smartphones in this way interrupts vision and hearing, which makes it difficult to respond to sudden situations and increases the risk of major accidents. This increases the risk of accidents by 76 percent, and walking with earphones on while looking at a smartphone can be a target for crimes such as purse snatching and robbery.

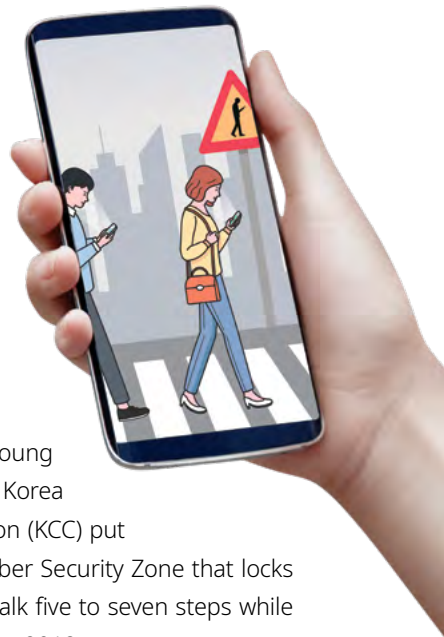
Recently, the age of smartphone use has decreased and the number of "Smombie Kids" has increased, raising concerns about accidents. According to a survey by the International Children's Safety Organization, eight out of 10 elementary school children (79 percent) answered they used smartphones while

walking. 33 percent said they had experienced traffic accidents or faced the dangers of traffic accidents. To prevent smartphone accidents while young people are walking, the Korea Communications Commission (KCC) put out an application called Cyber Security Zone that locks the screen when children walk five to seven steps while using their smart phone since 2018.

Recognizing the dangers of Smombies, the Seoul Metropolitan Government, in cooperation with the Korea Highway Traffic Corporation, are catering to Smombies who are looking down by installing traffic lights on the ground that are linked to traffic signals. In addition, a smart crosswalk system was installed in a school zone with a lot of walking distance, where location sensors and speakers convey voice messages to pedestrians.

They are even more initiatives overseas for the Smombie apocalypse. The city of Honolulu, Hawaii, has introduced a bill to impose a \$15-\$35 fine for looking at smartphones while walking. Multiple time offenders will see the fine jump up to \$75-\$99. Washington, D.C. and Chongqing, China, have built roads exclusively for pedestrians using smart phones. And Belgium's Antwerpen are drawing white lines on the floors of shopping malls to guide smartphone users where to go. In Japan, telecommunications companies have also developed an application that forces children not to use smartphones while walking.

There are many ways to prevent accidents caused by Smombies, but the most important thing is to improve the awareness of users. The best way to do this is to avoid using your smartphone while walking as much as possible, and stop using it for a while if you have to walk with a map or do important things. Now, let's not be zombies on smartphones, let's be smart smartphone users.



By reporter **Park So-yeon** xothdusxo@naver.com

A Fire-breathing Fish

Cardinal Fish



Would you believe in the existence of fire-breathing fish on this planet? Of course, you may be skeptical, but the answer is, "A fish that emits fire actually exists on this planet." Let's find out about this fire-breathing fish, named the cardinal fish.

This fish, called Cardinal Fish, is a type of eastern sea that lives in subtropical and temperate waters and can grow up to about 15 centimeters in size. It has a habit of eating small invertebrates and fish, and males, like other types of cardinal fish, have eggs in their mouths.

So how can this cardinal fish blow fire out in the ocean? In fact, it's not really fire, it's a small creature that belongs to the class reptiles. When a natural enemy appears, it swallows and spits out reptiles or other crustaceans that use scintillating materials to draw attention from others as a form of self-defense. When the cardinal fish spits out the glowing crustaceans, the natural enemies come and try to eat them.

The light produced by crustaceans is caused by chemical reactions, including luciferase and luciferin. The light is a phenomenon called bioluminescence, and in more detail, when Luciferin is activated by ATP, it becomes active luciferin, where it is oxidized to luciferase and light is produced.

There are so many mysterious and beautiful creatures in the world. I strongly recommend you to watch a video of a fire-breathing fish, the Cardinal Fish.

By reporter **Yi Geun-Soo**

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Emergency Disaster Relief Fund

Emergency Disaster Relief Fund, the government's temporary support system for overcoming the COVID-19 crisis, is the talk of the town. The purpose of the emergency disaster support fund is to help stabilize people's lives and restore the economy for its citizens, whose income has been reduced due to the COVID-19 crisis. First, the government said it was 70 percent of an individual's income. However, it has now been changed to 100 percent support regardless of income. As of March 29, 2020, it will be paid based on the number of family members listed together on the resident registration card (registered copy) of each household. Methods for the payment of emergency disaster support funds include credit and check cards, prepaid cards, local love gift certificates and cash.

Such emergency disaster support funds are being used to provide large and small support to the people of the region in the event of torrential rains, typhoons or other disasters in Korea as well as the COVID-19 crisis. To introduce the past cases of disaster support funds, a huge forest fire broke out in Gangneung, Gangwon-do, in April 2019. The next day, the government declared a national disaster in Gangwon Province, and provided 4 billion won in special subsidy taxes for disaster safety and 250 million won for disaster relief projects. Since then, the government has provided support funds to residents affected by forest fires, including housing and living expenses.

The most famous example is the 2007 oil spill in Taean, Chungcheongnam-do. The accident was caused by a collision between a ship and a crane, resulting in a massive leak of 1,810 tons of oil into the sea. It was twice the size of the 1995 Sea Prince accident. The damage to the fishing grounds was huge, and at that time, the government declared a national disaster and applied for 117.2 billion won in emergency livelihood support.

On the other hand, some pointed to the limitations of the emergency disaster support system, which is thought to have only positive effects. Emergency disaster support funds are 400,000 won for each person, 600,000 won for two-person households, 800,000 won for three-person households, and 1 million won for households with four or more members regardless of the number of members, which is disadvantageous for larger number households. Due to these struc-

tural limitations, a six-member family, where a couple with two children live with their parents, received 1 million won, which is only around 170,000 won per person. In this case, it works out that a three-person household

receives about 340,000 won per person and a six-person household receives about 170,000 won per person. In addition, there is a limit to the fact that when emergency disaster support funds are paid in the form of cards, the entire amount is paid to a card under the name of a household owner, and that it is difficult for a household to share the benefits because it cannot be withdrawn in cash.

Another limitation that many people point out is that the people who received the government's emergency disaster aid should only use it in the householders' address-based municipalities. In response, Jeju Governor Won Hee-ryong said, "There is a blind spot in the policy that limits

the period of use and the area of use for the government's emergency disaster support," and suggested to the government, "The restriction on the area of use should be lifted so that people can use

the funds in their current residences." As a result, the government's emergency disaster support fund will be available in the region if the address is changed to other metropolitan and provincial governments. The Ministry of the Interior and Safety said it will allow users to change the area only once if the address on the resident registration card is changed to another metropolitan government after March 29. Also, the minister of the interior and safety said, "We will come up with measures to improve the use of emergency disaster support funds paid to the entire nation."

It is regrettable that the system is targeted by the entire nation, so it is not able to flexibly cope with everyone's situation, but as shown above, the government is constantly interested in suggestions on limitations and trying to supplement them. I hope the emergency disaster aid will serve as an opportunity to restore the economy a bit depressed by the COVID-19 crisis, and hope that the COVID-19 virus will end as soon as possible and return to peaceful daily life.

By reporter **Na Gyeong-Bin** w1nteryyy@naver.com



iPhone SE 2020: Lots to Love, Less to Spend



If you want a new iPhone but don't want to pay a lot for it, there is a perfect solution. In April 2020, Apple unveiled a new low-cost iPhone, the iPhone SE 2020, which is a follow-up to the 2016 iPhone SE. The iPhone SE 2020 is available in black, white, or red costing 550,000 won with 64GB, 620,000 won with 128GB, and 760,000 won with 256GB.

Design

Though the iPhone SE 2020 shares a name with the old iPhone SE, it has the same design as iPhone8. There're thick bezels, an all-glass body, and a Home button with Touch ID fingerprint sensor. It looks just like iPhone8, but the Apple logo at the back is moved from the top to the right in the middle. If you're coming from another iPhone, it will be extremely familiar. But using this form factor and screen hardware allowed Apple to keep the cost of the device low because it didn't need to invest in a whole new manufacturing process.

A13 Bionic

The big change from the iPhone8 is the upgraded engine. Apple put the A13 Bionic chips of the iPhone 11 series in the body of iPhone SE 2020. According to Apple, A13 Bionic is the fastest chip ever in a smartphone. It is much faster than the A11 in the iPhone8, as well as more power-efficient, which improves battery life. This makes the new SE as fast as the iPhone 11 series and gives access to features such as Portrait Mode and fast charging. Furthermore, the device will be supported with software updates for several years. That's an important factor when buying a modern smartphone.

Camera

To keep the cost low, the iPhone SE features a single-lens rear camera, but it does adopt some technology from the iPhone 11 and 11 Pro. It supports Portrait Mode, Portrait Lighting, and Depth Control. The iPhone SE's Portrait Mode allows for blurring of the background in an image when taking a portrait photo of a person, pet or object. Depth Control

allows the amount of blur in an image captured in Portrait Mode to be tuned for the best possible blend of blurring and detail. Also, The iPhone SE shoots 4K video at up to 60 frames per second, with 24 and 30 frames also available options alongside 1080p and 720p shooting modes.

Display

The screen size of this phone is 4.7inch. Retina HD display it's not as high quality as AMOLED. So, if you look closely into the screen you can see the pixels in the phone but it's 4.7 inches small, so it may not bother you. However, if you love watching movies or YouTube, it is not recommended. Since it's not good in bright light, and it lacks the sharpness. Its screen is far less sharp than more recent iPhones, or even a few low-cost Android phones.

Battery

We know the new iPhone SE battery life is the biggest issue these days. Its battery capacity is 1,821mAh, which is the same battery capacity as the iPhone8. Comparing to other phones that have over 4,000~5,000mAh, the battery size is physically small. While Apple's A13 Bionic processor helps the iPhone SE be more power-efficient, it's hard to deny that it has a small battery. However, if you're coming from older iPhone models it won't be a problem. Plus, it supports wireless charging and fast charging which means it can be charged up to 50% in just 30 minutes.

I'm using the iPhone SE 2020 now. It's been 2 weeks and I'm very satisfied with it. It has a reasonable price, bright color, great camera, and one of the fastest processors so far. The new iPhone SE will be one of the cheapest and one of the best choices for college students. If you want a new, great cost-efficient iPhone or to enjoy the minimal life, I recommend the iPhone SE 2020.

By reporter **Kim Jae-sung**

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Dumbbell economy



Recently, health-related industries have been booming as the tendency to improve quality of life and to be interested in health care has been spreading. As a result, a new economic phenomenon called the "dumbbell economy" has recently emerged. It refers to the economic effect which is created by the health and fitness market.

Dumbbell Economy is an idiomatic term introduced in 2012 when the British Financial Times wrote a planning article titled "Dumbbell Economy is Rising." The article said that the Dumbbell economy is emerging, with the number of private gyms that had been 3,000 in the U.K. was surpassing 4,000 by 2017. In addition, Market Watch reported that Americans spent \$19 billion on fitness centers and \$33 billion on sports equipment and supplies in 2018.

It is the Millennial generation those who were born between 1980 and 2000 that gave rise to the Dumbbell economy. The desire for a healthy life and healthier food is stronger than the previous generations. Especially since Work-Life Balance became important and the 52-hour workweek (in South Korea) was introduced, it is speculated

that the Dumbbell economy has become even more popular due to the millennial generation trying to take care of their healthy lives.

Where you work out, who you work out with, and what you wear are also important factors for modern people. Pilates and exercise videos that overflowed on social media such as YouTube and Instagram awake a desire to follow what is trending.

This dumbbell economy is more recognizable in consumer behavior. In fact, according to statistics from the National Tax Service in 2018, the number of close-knit businesses such as fitness centers and sports facilities increased significantly, while consumption at simple bars such as pubs continued to fall. In addition, data from the National Tax Service showed that the number of business operators at sports facilities rose 140 percent in the first three years and 59 percent in the case of skin care businesses as of businesses. On the other hand, pubs declined 10 percent. As such, consumers are also showing signs of reducing drinking and investing in sports by saving money for entertainment.

Protein-related industries, in particular, are growing together with the dumbbell economy. Along with the perception that "health is a new wealth," the protein-related industry, which can manage health and takes into account nutrients, is also booming. According to global market research firm Global Insight Report, the global protein food market is expected to grow from about 13 trillion won in 2017 to 32.88 trillion won in 2025. Its annual growth rate reaches 12.3 percent.

As such, the spread of the dumbbell economy has led to a surge in growth in the local sports market every year. This is also an indicator that people's trends are gradually shifting from consumer culture such as entertainment to culture that manages health.

Especially in recent years, "home training," which are works out at home, have become very popular. Looking at this trend, it is estimated that the dumbbell economy will continue to steadily grow.

By reporter **Kim Hae Yong**

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Global Economic Crisis

- The COVID-19 Shock -

In order to prevent the spread of COVID-19, the world is implementing measures in various ways, including border control, school and workplace closures, and restrictions on large-scale rallies. Also, these regulations have halted much of the world's economic activity. Many companies went bankrupt, and people lost their jobs. The COVID-19 has dealt a devastating blow to the global economy, which can be largely due to five reasons.

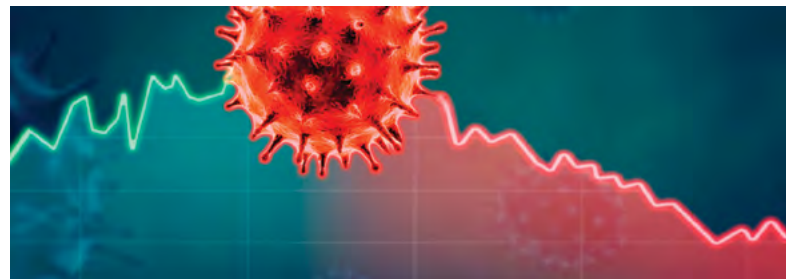
The first is a sharp rise in unemployment. Many economists have warned that closure measures around the world will greatly accelerate job losses, which we are already seeing as a sharp increase in unemployment in many countries. More than 26 million jobs have been lost in the U.S. in the last five weeks. According to the Bureau of Labor Statistics, the U.S. unemployment rate stood at 4.4 percent in March, the highest since August 2017. Not only is unemployment rising in the United States, but Korea and Australia have also posted sharp rises in unemployment, with some economists warning that things are likely to get worse than they are now.

The second is the collapse of the service industry. Currently, the service industry is taking a huge hit around the world. The service industry is a major source of growth and employment driving the economies of many countries, including the United States and China, one of the world's largest economies and consumer markets. But both countries show a sharp drop in demand from the service industry due to the closure measures caused by the coronavirus. Even the surge in online sales by some retailers, including Amazon, failed to prevent the overall decline in the service industry.

Economists warned that consumer sentiment may not rise even after the closure is lifted.

The third is the sluggishness of manufacturing activities. Many manufacturers around the world, which have been under heavy pressure over the past two years due to the trade war between the United States and China, are once again under pressure as the COVID-19 spreads around the world. The COVID-19 has had a major impact on manufacturers that rely on materials and parts from China's giant factories. Some companies temporarily shut down their factories. On top of that, a drop in demand for goods further exacerbated the problems faced by manufacturers. As a result, output declines have been reported across the United States, across Europe and Asia over the past month.

The fourth is the trade recession. In its forecast for this month, the World Trade Organization said global trade volume could plunge up to 31.9 percent this year. It also predicted that the industry will suffer a double-digit drop in exports and imports in all countries in 2020. Also, the shipping industry, which is currently the center of the trade industry, is facing the worst recession ever, with container shipments falling by more than 11 percent.



The fifth is the contraction of the global economy in 2020. Due to the pandemic of the coronavirus, many institutions have forecast pessimistically the outlook for the global economy.

IMF forecasts global economic growth of -3.0% this year. It warned that the cumulative global GDP loss from the epidemic crisis over 2020 and 2021 could be about \$9 trillion, larger than the economies of Japan and Germany.

As such, the global economy is now facing a huge crisis due to the coronavirus. Governments are also scrambling to come up with their own countermeasures to counter the economic crisis. What countries can survive in the unprecedented crisis of the global economy?

By reporter **Kim Gunn-hwi** gunnhwi1995@naver.com

Frozen man, can he come back to life?



Frozen man, is a Korean-English term you've probably heard at least once. It's a term used for celebrities who haven't appeared on TV for a long time and then appear on TV again. But what this article is about is not this metaphorical expression, but the story of a real human being actually kept in a freezer.

We live in the present which has become smarter and more convenient than just a few decades ago due to the rapid development of science and technology. Medical technology is also rapidly evolving using much better medical facilities than ever before and receiving medical support. But there are problems that cannot be solved by modern technology, and diseases that cannot be completely cured by current medical technology. We are not free from death because of

these two big problems. To solve the problem of death, scientists began to study the conservation of frozen humans.

The biggest problem to solve in order to make frozen humans live again is to bring frozen cells back to normal. You've probably seen frozen strawberries look fine while frozen, but when they melt, they become mushy. When strawberries are frozen, the moisture in the cells expands and the membrane is destroyed, which melts and the sticky substances in the cells flow out and recede. So, the method of freezing humans is also very important. How on earth are people frozen?

The method of freezing humans is to first drop the temperature of the entire body immediately after a person dies, preventing cells from a necrotic death, and draining all of the blood out of the body. It's like the principle of refrigeration for food. To prevent damage to the cell membrane, a special fluid is then put into the body and circulated, liquid nitrogen is then sprayed, to rapidly freeze the body, then it is placed in a specially made insulated container and stored in a storage tank. It is the same principle that is used in storing some fish products by rapid freezing. The body that has been through this process is preserved without aging the cells because the rapid freezing stops the biological time. The purpose of this is to resuscitate in the future for future medicine to cure diseases or prolong life.

Can frozen humans wake up safely? One of the things I observed while writing this article is the first frozen human being in Korea. A man in his 50's decided to freeze his mother because he wanted her to be preserved after death. Fifty-three years have passed since the birth of the first frozen man in 1967. It is a pity that there is no resuscitation because the technology is not perfect yet. Nevertheless, I think there will soon be news that frozen humans will be revived and live in a future society.

By reporter **Kim Gun-hee**

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Do you want to whiten your teeth?



First impressions are very important in a meeting. It has a great impact and there is psychological pressure in people's heads to maintain consistency. Through this maintenance, we judge a person's personality and determine his or her future behavior. There are many factors in determining a first impression, but the most influential of them is appearance. Good looks can be likable, but it is a smile that can give a slightly better impression because not everyone can be handsome. A person approaching with a brighter smile than a person with a frown can be remembered as a slightly better person.

However, if you have yellow teeth, you may have been worried that your teeth will be seen before your smile and give you a bad image. It's good to have constant care at the dentist's, but it requires a lot of money, so we also look for things like whitening products on the market. However, these are also often avoided due to fear of side effects. Teeth becoming yellow is basically due to our eating habit, so if you want to see an effect at a low cost, so knowing what food affects your teeth should be top priority.

< Food that helps whiten teeth >

Dark Chocolate - Chocolate is one of the foods that is good for whitening teeth. Cocoa, which is not milk chocolate mixed with milk sold on the market, but dark chocolate, has a component called theobromine that protects the surface of the teeth to prevent discoloration.



Strawberry - Strawberries contain amino acids, which



form membranes in the teeth and prevent coloration and discoloration. It also contains malic acid, which can help whiten teeth by washing off discolored parts of the teeth.

Apples - Fruit juice in apples helps prevent mouth dryness by facilitating salivary secretion, and the crispy texture helps remove plaque. For your information, because there are many nutrients in the apple skin, it is helpful to wash the pesticides clean with vinegar or baking soda and eat it with the skin on.

Banana peel - The white part inside the banana peel is rich in calcium, magnesium, manganese, and other ingredients, so you can get whitening effects if you rub your teeth with that part. However, white foreign substances can get stuck between your teeth, so you should gargle after rubbing your teeth with banana peel.



Lettuce - Lettuce is a well-known food that is good for whitening teeth, and the fiber in lettuce is effective in removing plaque on the surface of the teeth. It's good to eat it as a food, but a much more effective way is to dry lettuce, powder it, and use it with toothpaste every time you brush your teeth.

< Food that harms teeth whitening >

Persimmon - The carotene pigment contained in persimmons enters the inside of the teeth and causes coloration, so after eating a persimmon, pigmentation should be reduced by brushing teeth or rinsing with mouthwash.

Wine - The polyphenol component of wine peels the enamel off the teeth, creating an environment in which pigments are easily penetrated the tooth ivory, causing tooth coloration.

Curry - The turmeric of curry is highly pigmented and has strong contact with teeth, so it sticks to the teeth and causes coloring.

For a more confident smile, let's focus on our eating habits and eating foods in the future to prevent discoloration of our teeth and make sure that we can be reborn as teeth beauties through self-teeth whitening!

By reporter **Kim Hwa-rang**

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How to enjoy your time in quarantine



People are having a hard time around the world because of COVID-19. Many people are infected with the coronavirus, and many of them are dying. Not only that, the world is taking a heavy toll on the economy as the virus has made normal life almost impossible. That's why many countries have requested people to quarantine themselves at home to prevent the spread of the virus.

Fortunately, Korea is not at that level of quarantine. But, as the recent spread of the virus in Itaewon shows, it would be best for us to refrain from going out and spend our leisure time inside of our home as much as possible. Here are some ways to spend an enjoyable time at home.

First, we can play games. Today we can enjoy games on many platforms such as consoles, computers, and mobile devices. You don't need a

lot of space to enjoy games, and there are so many fun games that we can play. And through different games, we can have various experiences while we just stay in a limited space. Also, if the game you are playing is an online multiplayer game, we can also enjoy talking while playing games with friends through voice chat programs such as discord.

Second, we can try singing. Many people like to go to the karaoke, grab a microphone, and enjoy relieving their stress by singing excitedly. However, even if you don't go to a karaoke, you can sing as if you are in a karaoke room using an app on your phone and a Bluetooth microphone. You probably won't feel as much of the experience as going to the karaoke, but it will be enough to relieve your stress.

Lastly, we can do some in-home workouts. If you spend most of your

time at home, your amount of physical activity is probably low. Therefore, we should regularly do some exercises at home, not only for fun but also for our physical health. If you have enough space to move your body, with equipment or without it, you should do some workouts via home-training to maintain your physical health. Maybe you can use more leisure time to make your body even better!

There are many ways to have fun in a limited space other than what I have introduced. Although it may be frustrating to not be able to go outside, wouldn't it be better to refrain from going out as much as possible and put an end to the coronavirus situation as soon as possible? Until then, it would be better to have our fun at home.

By reporter **Wi Young-bum**

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COVID-19 and Stock market

In March, stock price began to fall worldwide when COVID-19 began to spread internationally, including in Europe and the United States. However, stock buying has increased 14.42% since January 20th, when the first confirmed case of COVID-19 in Korea came out. In the aftermath of COVID-19, a growing number of new investors thought the stock price was an opportunity for low-priced purchases. According to a survey by job portal 'Incrut' and part-time job application 'Alba-call' research their member's experience in stock investment, 55.7% said they have invested in stocks in the past month. Also, COVID-19 theme stocks were the largest number of investment category.

When you select stocks, there is a way to analyze and select companies but there is also a way to select themed stocks with higher returns depending on the atmosphere of the times. Many people find rising stocks and themes to earn even a small profit in a short period of time. These days,



naturally, interest in COVID-19 related stocks are increasing.

However, COVID-19 theme stocks should be careful when you invest because they have a high risk of investment because of their high stock price fluctuation and difficult to predict. Recently, the stock price has been jumping due to purchases centered on items such as COVID-19 related masks, diagnostic kits, vaccines and quarantine. So regardless of the company's results when you invest, buying just because it is a Corona-related theme will increase the damage. Also, unconfirmed information such as vaccine development plans and similar treatment efficacy is likely to be distributed for the purpose of the purchase, so you should be carefully searched and invested.

Individual investors expect the development of treatments to be one step ahead of other countries as Korea is classified as a model country for COVID-19 disinfection. But advanced countries in the pharmaceutical sector such as United States and Europe, experts predict that the development of medicines or vaccines will not be easy. Therefore, the ungrounded rise in theme stocks could lead to a sharp drop if future issues die. For this reason, individual investors could suffer heavy losses if they jumped into buying COVID-19 theme stocks to earn short-term profits.

Warren Buffett, who became the world's second-richest man by investing in stocks, said the plunge in prices is a good time to buy stocks. Why don't you invest in valuable companies now that stocks have plummeted a lot?

Also, the domestic situation is getting serious again with COVID-19 from Itaewon, so AVOID PLACES WHERE MANY PEOPLE GO, WEAR MASKS in confined spaces, and WASH YOUR HANDS FREQUENTLY!!

By reporter **Kang Jae-eun**

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THE MOVIE

The Miracle We Dream of: *INVICTUS*

Miracle moments sometimes happen in life. In particular, it often happens in politics or sports situations. Directed by Clint Eastwood, "The Miracle We Dream of: Invictus" is a touching film about two "miracles": Nelson Mandela's election as president and South Africa's underdog victory at the Rugby World Cup. At that time, the South African government was led by white people, but Mandela (Morgan Freeman), who had been fighting against the apartheid between black and white all his life, was elected president as the first black president. He emphasizes social integration as the leader of the new era, but the centuries-old black-and-white conflict has been too deep. One day, Mandela, who had been looking for a way to end the long conflict, wants to find the answer at the 1995 Rugby World Cup which was held in his country. Mandela immediately calls in South Africa's national rugby team captain Francois Matt Damon to the presidential palace to convey his intention to "win the game" for national unity. Fransua understands Mandela's will and struggles to find ways to improve the performance of the national team, which loses every game. The film



begins with a street in South Africa divided into white people who think they will drive them out socially and black people cheering Mandela. It is a film that shows Eastwood's coolheaded attitude and warm eyes on society and humans.

The film sheds light on Mandela's gentle personality, his strong leadership toward unity and his positive attitude toward life, which overcame all kinds of storms and rose to the presidency. Moreover, You can see Mandela trying to achieve national unity between white and black people through sports. The film focuses on conflicts over racism. The director shows the conflict between the president's bodyguards on a small scale as a parallel to conflict between white and black people in country on a bigger scale. But in the end, under the sport of 'Rugby', you can see their racial conflicts subside and unite as one. This film also focuses on Mandela's human side as Mandela, who considers the

entire nation his own family, ironically is shunned by his real family. In particular, the scene of Mandela looking at an empty bed while getting up at dawn and preparing for a walk makes my heart throb. Eastwood delivers a message of solitude of the human side of Mandela more deeply by showing his back standing vacantly rather than showing Mandela's vision.

The scene of the final match of the Rugby World Cup, which has made South Africa one for a single moment beyond racial conflict, seems to be perfect to convey a touching impression. In particular, you can feel the deep hearted patriotism in the scene where the white athletes, who were reluctant to sing the national anthem of the new government, sang the national anthem together to return in Mandela's favor in the final round. However, there is a problem that the movie may seem rather flat because the characters are generally good and straight. It adds weight to the film with the outstanding performances of Morgan Freeman and Matt Damon, who were nominated for Best Actor and Best Supporting Actor at the Academy Film Festival, respectively. The film title, "Invictus," is a Latin word meaning "Unconquerable" and is the title of a poem Mandela often recited in prison. It is a poem that shows his strong will as he overcame adversity and became president. I hope you read this before watching the movie, and appreciate the meaning of the appropriate scenes in the movie.

By reporter **Lee Han-Gyu**

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KBO League's First Live Overseas, Unexpectedness and Disappointment

These days, professional sports have stopped amid the global pandemic of COVID-19. MLB is also temporarily delaying all scheduled games, including exhibition games, and reducing the number of workers in the industry. In this situation, American baseball fans long for the baseball they love. This soon led to a live broadcast of the KBO League to the United States. Did ESPN really deliver the KBO's fun to viewers?



NC vs Samsung to broadcast ESPN to dispel concerns

Surprisingly, ESPN's broadcast highlighted its efforts to fully understand the KBO League to U.S. NC vs. Samsung's broadcast crew explained the contact points between the two leagues as much as possible to help MLB viewers get used to the KBO. There was also a time when foreign players from the KBO explained about Korean baseball. Korean major leaguers such as Park Chan-ho, Oh Seung-hwan and Ryu Hyun-jin were introduced.

As this game marks the first time in the KBO league history, an in-depth explanation of the KBO league was made. From the league's policy on responding to the Covid-19 to an explanation of the designated hitter system and the draw system, the detailed rules of the postseason and the new rules to be introduced this season were explained. "Unlike MLB, it seems good that the KBO boldly decides to change rules that are considered inappropriate," the broadcasting crew added.

KBO on ESPN, the sad thing is,

ESPN did not send a relay team to the site, but rather conducted the program by viewing the relay video from their respective homes. It was regrettable that various broadcasting accidents occurred through this. The most disappointing scene was Na Sung-bum's home run. It was a batted ball that was vague enough to read the video. However, unlike the home run call made by the Korean broadcasting team at the scene, the ESPN broadcasting crew judged Na Sung-bum to be a foul when they saw him tilt his head without a base play.

After all, the ESPN broadcasting crew belatedly told viewers that Na Sung-bum had a home run only after a certain amount of base running. In fact, this mistake was made in the sense that it was overseas. However, there were many mistakes that could have occurred because it was a home telecast.

Anyway, in these episodes, the KBO made a safe soft landing on the home turf of the United States. The fact that many fans in the U.S. can be enthusiastic about Korean baseball players is a chance that the KBO has never dreamed of. In the hope that this great opportunity given to the KBO will continue even after the end of the COVID-19, the "sincerity" and "interest" in the United States, which has emerged from ESPN's broadcast today, are a welcome sign.

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

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