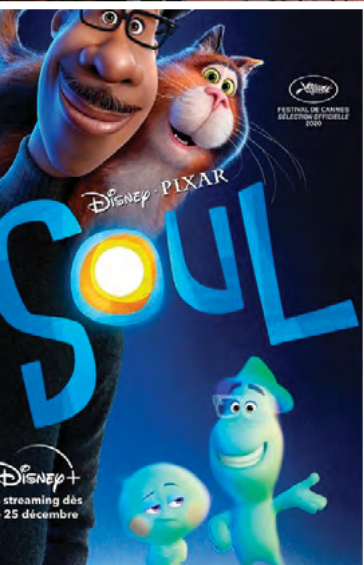


Vol. **66**
2021 Spring

SUNGKYUL UNIVERSITY NEWS



CAMPUS

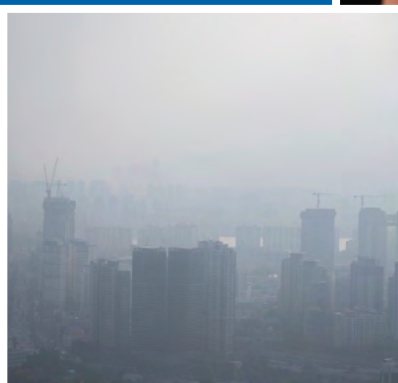
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◆ Philosophy of Education : Well-fitted People of God

◆ 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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SUNGKYUL UNIVERSITY

NEWS

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Opening Speech



SungKyul University
Acting President

Han, Jong-kil

Dear students! This is Han Jong-kil, acting president of Sungkyul University. Greetings on behalf of the faculty and staff.

I feel sorry for the non-face-to-face situation of the entrance and opening ceremony due to the global pandemic of Covid-19. In particular, the students who enrolled in 2020 have finished a year without even meeting university friends. As acting president, I am very sorry for this situation. It is an unfortunate reality that online classes are being held again this year. Last year, not only our university, but all universities around the country all conducted online classes, and this was the first time in my life, so there were difficulties due to a lot of trial and error. For this reason, there were many inconveniences because there were lectures that were not properly prepared. Some time has passed, so I have adapted my daily life due to Corona19. Even if Covid-19 disappears, we may never be able to return to the same appearance as before.

The biggest challenge colleges faced with Covid-19 was the “education system” itself. The situation in which students take classes without meeting in the classroom is something no one could have imagined before. Although universities have discussed expanding online courses, it has been very slow to run online courses. This is because we had to convert all lectures online at once, and we had to build an online education system that could be accessed by about 5,000 people at the same time.

Dear students, Sungkyul University has been investigating many problems every day to improve the quality of online classes in accordance with the government's guidelines since last year, and inconvenient matters are being gradually improved by accepting the suggestions of students. This year, with the aim of becoming a leading university in online education against the post-corona era, we opened the “Sungkyul Cyber Campus (SKUCC)”, an educational platform that transcends existing thoughts and limitations in order to innovate the education of Sungkyul University for online lectures. For more reliable online education, the media service environment was improved. Now, an automatic recording classroom was established for pre-production of lecture videos, and a guide for instruction was produced and distributed to professors for quality control of online classes.

Sungkyul University's online education aims to build a smart campus by building a next-generation education platform, and not just simply responding to Corona 19 temporarily. This is part of a grand plan to grow into a university that leads the next-generation education method that combines online and offline classes. In order to lead a new era beyond sustainable education in the face of big changes and crises that universities all around the world are experiencing, bold and wise innovation is required.

Dear students! I am looking forward to the day when the disaster of Corona19 ends, and you are studying at school. Everyone, including me, professors in the department, staff in the administration, and alumni, congratulate you on the start of the first semester of 2021.

March 2, 2021

Acting president of Sungkyul University **Han, Jong-kil**

Cho Eun-sil, a Computer Science student at Sungkyul University Wins 'Best modeling & Avatar Award, Overall Champion Award' at the 2020 SKKU-HKUST IPLP

Cho Eun-sil, a Computer Science student at Sungkyul University, won the Best modeling & Avatar Award and Overall Champion Award at the 2020 SKKU-HKUST IPLP.

Cho Eun-sil, a first-year computer science student, won the Best Modeling & Avatar Award and the Overall Champion Award at the 2020 SKKU-HKUST Intercultural Peer Learning Program (IPLP) organized by Sungkyunkwan University and the Hong Kong University of Science and Technology (HKUST). The IPLP is a team of students from Hong Kong University of Science and Technol-



ogy and various universities in Korea to discover problems in their lives and improve their lives.

In order to achieve the design theme of "design a future learning solution at home for college students in a small and noisy bedroom," the

student's team was able to communicate with real classmates and professors in a small room and effectively implemented the presentation.

By reporter **Lee Dong-in**
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Sungkyul University's Department of Physical Education, Acquired an A grade in the Competency Diagnosis of the Teacher Training Institution, 2021 Secondary Employment Examination 14 Students Passed

The Department of Physical Education, Sungkyul University's College of Education, received the highest A grade in the 5th teacher training institution competency diagnosis following the A grade in the last 4th teacher training institution evaluation.

According to the results of the previous evaluation, the number of teachers in the teacher training institution was reduced by 6,500. The '5th Cycle Teacher Training Institute Competency Assessment,' which was conducted this time, reduced the proportion of educational conditions among the diagnostic areas consisting of educational conditions, curriculum, and outcomes, but increased the proportion



of the curriculum to 50%.

In addition, by reflecting the main direction of the "teacher training curriculum reorganization," the assessment was focused on understanding the educational field, responding to changes in the future educational environment, and cultivating the charac-

ter and aptitude of the teaching profession. The Department of Physical Education has received an A grade for two consecutive years and was excluded from the reduction of the number of seats.

The Department of Physical Education, as a teacher training institution, produced 10 successful candidates in the 2020 Secondary School Appointment Test. In addition, in the midst of the coronavirus crisis, it produced 14 successful candidates for the 2021 secondary school appointment exam, and achieved a feat of producing 127 successful candidates so far.

By reporter **Park Chan-woo**
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Professor Bae Ji-hyun of the Department of Early Childhood Education at Sungkyul University, and Park Soo-jung, the Head of the Kindergarten Affiliated with Sungkyul University, Received an Award Certificate from the Minister of Education

Professor Bae Ji-hyun of Sungkyul University's Department of Early Childhood Education and Park Soo-jung, head of Sungkyul University's affiliated kindergarten, received the "2020 Education Minister's Commendation" on December 31, 2020. The public content is "2020 Merit for Early Childhood Education Development", and the research topic is the development of educational course implementation data for personality education. The developed data will be distributed to public and private

early childhood education institutions nationwide and used to settle the revised Nuri program.

Sungkyul University's Department of Early Childhood Education is striving to train early childhood education professionals with a sense of duty as educators. In addition, Sungkyul University's affiliated kindergarten was selected as an innovative kindergarten and leads the operation of infant and play-oriented curriculum, providing early childhood education and serve as a



volunteer space for university students for opportunities to learn and serve.

By reporter **Choi Jun-seok**
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Students from the Department of Performing Music and Arts, The Final Selection of the Arts Center 2021 New Media Art Contest "Tomorrow's Art"

Shin Seung-jae (advising professor Kwon Hyun-woo) and Kim Ji-soo (advising professor Yoo Hyun-sik), who are in the fourth grade of the Department of Performing Music and Arts, were selected for the 2021 New Media Art Contest - Tomorrow's Art Exhibition.

Tomorrow's Art exhibition is the first art project created by the Korea Electric Power Corporation and the Seoul Arts Center, Korea's leading cultural and artistic organization. The goal is to introduce various visual art projects that converge future science and technology to the public, develop challenging new artists, and introduce new media art from an artistic perspective to breathe

with the audience.

Students Shin Seung-jae and Kim Ji-soo expanded their work "Plant Communication," supported by XR+ Convergence Lab, part of the 2020 University Innovation Support Project, to plan their music technology-based immersive installation work "Seeding Sound" by utilizing microcurrent data values and stereophonic sounds. This work was selected as a work where art and technology meet to showcase the rich expression and creative way of delivering messages that were born.

The "Seeding Sound" work will be displayed at the Hangaram Design Museum of the Seoul Arts Center from

March 31 to April 18, 2021, with 4 million won in creative support and an opportunity to support Tomorrow's Art exhibition. In addition, the exhibition space in KEPCO Art Center will be sponsored.

Professor Chae Jin-soo (Director of the Department of Performing Music and Arts) said, "I am happy that students who are planning to graduate once in the Department of Performing Music and Arts have good news. I am looking forward to the message delivery through the art world that combines technology.

By reporter **Kim Gun-hwi**
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Students of Dept. of East Asian Studies & Logistics won the Ministry of Oceans and Fisheries Award at the KASPS Korea Marine Transport Association Joint Conference

한국해운항만학술단체협의회

The Korean Association of Shipping and Port Societies (KASPS)

The papers of Wi Myung-sung, Park Seung-jun, Kim Bo-ram, Lee Tae-ho, Jo Hang-sik, Cha Ji-hwan, Kim Dong-gyeom, and Kim Dong-woo, students of Sungkyul University, re-

ceived the Minister of Oceans and Fisheries award at the "KASPS Korea Shipping Port Council (Chairman Han Jong-gil) International Congress" held in Seoul on December 17.

The conference was attended by 10 conferences related to shipping port logistics and trade, and was sponsored by the Ministry of Oceans and Fisheries, the Korea Maritime

Promotion Agency and the Korea Maritime Development Institute. The title of the paper is "Social Awareness Research of Offline Distributors Using Big Data Analysis – Before and After the Corona 19 Incident." 46 papers from 14 schools competed in this paper contest.

By reporter **Park Chan-woo**
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Sungkyul University Community Service Center, Selection of "Gyeonggi-do Province's Best Demanding Place"

Sungkyul University's community service center (Jo Chun Beom director of the center) has been selected as the best place to obtain volunteer work in 2020 by the Gyeonggi Community Service Center.

"Gyeonggi-do Province's Best Demanding Place" means an excellent demand destination for volunteer service among the demand destinations in 31 cities and counties in Gyeonggi-do, including systematic record management of volunteers, satisfaction of volunteers, and cooperation with volunteer centers.

The community service center was established in 2002 and its belief is that it is the responsibility of the intellectual to pursue a society in which



we live together. It strives to develop the power of intelligence to practice and pioneer, which contributes to the region, the domestic and the international community beyond the university's academic contribution to education and research.

Meanwhile, the community service center is leading community service

activities in the region, the domestic and the international community through creative social contribution activities beyond simple volunteer activities such as developing domestic and international community service programs.

By reporter **Kim Hae-yong**
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Sungkyul University's University Job Center, Was Awarded Job Creation 'Minister of Employment and Labor' Award and '2020 Job of the Year' Award

Sungkyul university(Chief Assistant Lee Sang-In) job center announced on the 23rd that it won the Minister of Employment and Labor Award for Job Creation and the 2020 Job of the Year Award (Youth Employment Division) hosted by the Chosun Ilbo.

Sungkyul University's University Job Center has contributed to youth employment activities by participating in various government run youth employment support projects, and recognized for its active support activities by establishing a positive discovery matching linkage system.

Sungkyul University has been reborn as a "university that evolves with the local community and leads in future education." It is promoting systematic career design, job training, overseas employment support and consulting to solve unemployment

crisis.

In particular, to foster job oriented talent to lead the era of the fourth industrial revolution, it has established a convergence win-win co-operation cluster-based specialized strategy (CO-WINNERS). Through this, its strengths include linking curriculum, research support, infrastructure sharing, and employment linkage with universities and local government research institutes.

Sungkyul University was selected as an excellent university last year, the highest grade in the operation of the university job center. It has also been highly praised for its qualitative management, receiving commendations in the field of career exploration activities of the Ministry of Education.

Lee Sang-in, president of the institute said "We are happy to establish ourselves as an excellent univer-



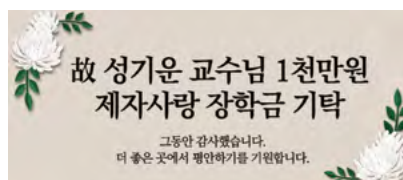
sity in the career employment sector. And we will make further efforts to foster quality jobs and talented people to solve the youth employment crisis caused by COVID 19."

By reporter **Kim Hae-Yong**
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The Late Professor Sung Ki-woon Donated 10 million Won to the Student-Love Scholarship

The grieving family of the late professor Sung Ki-woon donated 10 million won as a "Disciple Love Scholarship" on December 16 as per the will of the deceased.

The late professor Sung Ki-woon, who died on November 14, taught his students with love and sincerity while serving at Sungkyul University for 23 years since 1999, and was a warm teacher with consideration and up-



right character to those around him. The mourning family said, "We wanted to do something to help the students whom Dr. Sung valued so much," and added, "We donate scholarships with a happy heart."

"I deeply thank Dr. Sung and his family for showing the virtue of the teacher's love and sharing," said Sungkyul University's President representative Lee Sang-in and said, "I will remember Dr. Sung and honor his noble will." The scholarship will be used for exemplary students suffering from financial difficulties.

By reporter **Wi Young-bum**
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Sungkyul University has been selected as 'School Art Instructor Support Project' for 5th Consecutive year.

Sungkyul University Industrial-Academic Cooperation Group (Director Jung Hee-seok) was selected as an operating organization of "2021 School Art Instructor Support Project Competition (Korean traditional music, theater, film, dance, cartoon/animation, craft, photography, design)" co-founded by the Ministry of Culture, Sports and Tourism and the Ministry of Education. This selection is meaningful because the support project was expanded from seven areas last year to eight this year, with additional Korean traditional music.

Sungkyul University's Industry-Academic Cooperation Group received grants of 5 billion won annually from 2017 to 2020 for this project, and 8.5 billion won in 2021 for a total of 29 billion won. The 2021 school of art instructor support project is a large-scale government support project and will be operated in cooperation with the Gyeonggi Provincial Office of Education and the Korea Culture and Arts Education Promotion Agency, and will spend about 8.5 billion won from November to December 2020. Sungkyul University Industrial-Academic Cooperation Group has been contributing to the revitalization of school culture and arts education by selecting elementary, middle and high schools, special schools, and alternative schools (accredited by the Ministry of Education) in Gyeonggi-do since 2017, and especially in 2020, the group is said to have provided systematic education of culture and



arts through close consultation with relevant institutions and various operations to stabilize educational sites, despite the situation of online classes, remote classes, and face-to-face classes coexisted due to Covid-19.

Sungkyul University's Industry-Academic Cooperation Group launched the Culture and Arts Education Business Management Headquarters (Director Lee Won-hyun) in January 2017, and is operating the business in a more systematic and professional environment based on its successful experience. Furthermore, the number of beneficiary operating schools in Gyeonggi Province operated by the project is about 1,450 in 2021, with about 670 instructors. Sungkyul University's Industry-Academic Cooperation Group has been evaluated to have been the most successful operator selected for

designation and competition in 17 cities and provinces nationwide between 2017 and 2020, especially for providing schools and students with a wide range of opportunities to participate in the project through competency-building programs for art instructors in Gyeonggi Province, online job training for Covid-19, and planning projects for collaboration of culture and art education. The 2021 "School Art Instructor Support Project" will be operated from January to December 2021 and will be recruited and selected for operating schools during the project preparation period from November to December 2020, and each operating school in Gyeonggi Province will be arranged with art instructors selected through the Korea Culture and Arts Education Promotion Agency.

By reporter **Wi Young-bum**
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Voice-chatting SNS, 'Clubhouse'

Recently, "Club House," an audio-based social network service (SNS), is the talk of the town. Unlike ordinary SNS, the clubhouse, which has "closedness," has quickly become a popular social media with word of mouth among people. However, unlike the recent popularity, the clubhouse is highly closed, so very few people know the right information. First, let's find out the information you must know before you use the rumored clubhouse.

1. Recording is absolutely forbidden.

Clubhouse shares new information and ideas with various people sharing opinions. Then, you may naturally want to record the remarks and listen to them one more time, but recording activities are prohibited in the clubhouse. You can be kicked out of the room if you are caught recording.

2. If you invite anyone recklessly, you can be kicked out.

Anyone who was using the clubhouse will be authorized to give an invitation to an acquaintance. At this time, you should think carefully about who you will give the invitation to. Because, if a user who has been invited by you is kicked out for bullying or recording, you can also be kicked out. Therefore, it is always better to choose a person who can have a mature conversation with. The ID of the person who invites another member is always attached next to the ID, and it can't be modified. So, be careful when inviting.

3. There is a 'class' among the participants.

Only a few people are given the right to speak in the clubhouse. Participants are divided into three categories: moderator, speaker, and listener. A moderator is a person who can open and operate a room that can be designated as the right to speak. When listeners press the "Hand Up" button to make a comment, the moderator designates it as a speaker and leads the conversation. If you want to make more comments, you must constantly involve yourself pressing the "Hand Up" button.

So, what's the clubhouse?

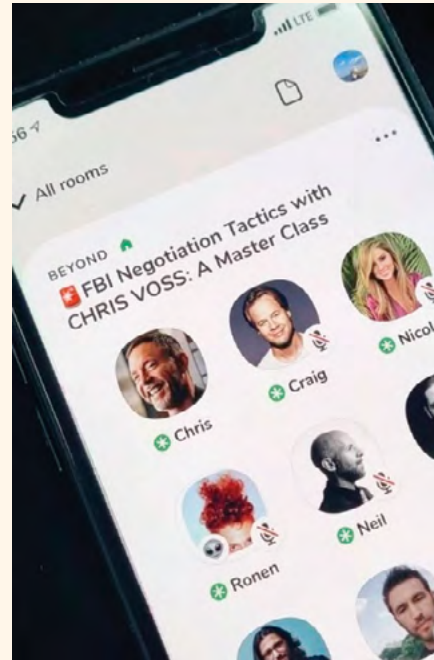
"Zoom voice version, spoken Twitter, interactive podcasts..." There are various metaphors. In short, Club House, a "voice-based social media," that has several differences from existing social media. First, it is both closed and open. The subscription process is somewhat closed. It requires an invitation and can only be used in Apple's iOS with an iPhone or iPad. However, all chat rooms are open when you sign up. It is possible to go to and from a conversation-room on various topics such as politics, art, and various issues.

It is also vertical and horizontal at the same time. If you join the clubhouse, there are several topic rooms. The process of entering a room that you like and having the actual right to speak is vertical. Once you enter the room, you become a listener. In order to speak as a listener, one must press the "hand up" button and be chosen by the room's creator, moderator. If the manager refuses, you can't participate in the conversation. However, if you become an acquaintance of the moderator, the story changes. Unlike the audience, Speakers, invited by the moderator himself to the room, can speak without the moderator's permission. However, it is horizontal that everyone has a chance to be a speaker. You can make your own room and make your own voice.

Anonymous and real names coexist freely. Club houses only "recommend" the use of real names, but the majority of them act as real names. It's because of its unique culture. It is easy to get a voice in a chat room only when you reveal your real name and post your career and profile picture. Of course, there are anonymous users. Participants in the "vocal mimicry" that impersonates politicians or cartoon characters are present.

The clubhouse, which is raising the barriers to membership itself, has become a marketing tool. Some people participate in the conversations positively, but negative public opinion was also formed due to the fact that deaf people were completely excluded due to their voice-based nature. The rejection of invitation form, closeness, and concerns about being used as window for problem speech. Expectations are high on whether it will overcome the negative public opinion and be a successful SNS platforms such as Facebook and Twitter beyond the instant topic by correcting and supplementing the problems raised.

By reporter **Kim Hae-yong**
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Where is your 'Soul'?

Starting from Pixar's interesting imagination that a soul of their own character is born on Earth, "Soul, (2020)" is a movie about a special adventure of Joe, who became a soul in an unexpected accident, and soul '22' who do not want to go to Earth.

It was co-directed by Kemp Powers, along with Pete Docter from "Monsters, Inc.", "Up", and "Inside Out". In addition, the production team of "Inside Out" and "Coco" and major artists such as "Onward: A Miracle of a Day," "Incredible 2" and "Toy Story 4" participate to boast high perfection.

John Batist, a world-renowned jazz musician who shines in the Grammy nomination, and Trent Lesner and Atticus Ross, who won the 83rd Academy Award and the 68th Golden Globe Music Award, played the main music of the work.

Such a movie "Soul" begins with the death of Joe Geiner, a band teacher who has lived with music as his everything, facing a golden opportunity to achieve his dream of playing jazz club. Joe's soul deviates from the underworld with all its might, but it is not the earth that arrived, the "world before birth." There, Joe became the mentor of the soul "22," who said he did not want to live no matter what he saw.



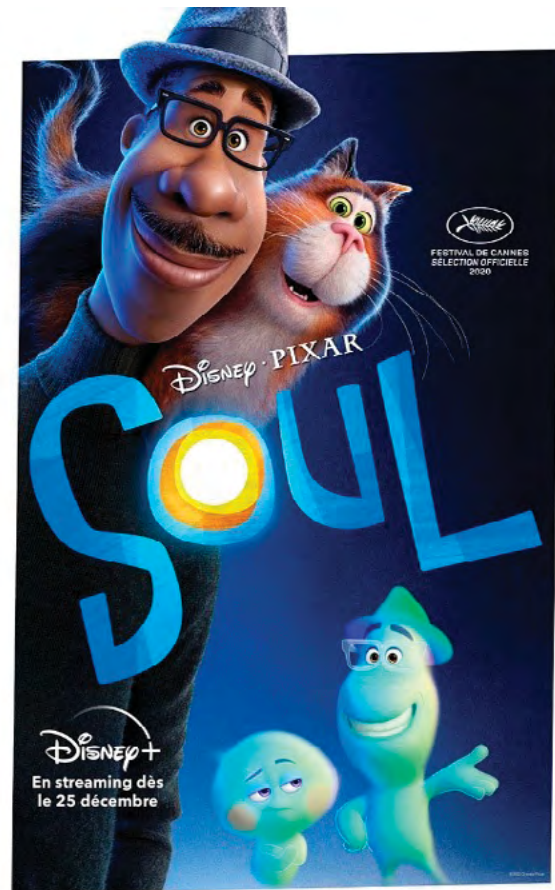
Joe, who is more eager to live than anyone else, and 22, eager not to live more than anyone else. Interestingly, the story of two souls with such conflicting views and attitudes about life flowing together does not pay much attention to how Joe regained his life and took the stage of his dreams. Rather, it focuses on the process of "22" without a clear dream or desire for something, finding the value of being born and living, which is called "spark".

"You've shown your purpose and passion for life. I've never been this close to a flame before."

"22", who hated the Earth for being a smelly planet, smells the scent of leaves and wind and realizes the happiness that is handed to him today. If Joe's flame is music, his own may be looking at the sky or walking, and he begins to express his willingness to live with sparkling eyes more than anyone else.

However, Joe puts cold water on 22's joy. Joe doesn't admit that 22's flame is nothing special, nothing more than an act of living, unless 22 wishes as strongly as he does. For Joe, every day of his normal life is just a meaningless life, and a life of achieving a dream with a form is a meaningful life with a purpose.

This clear confrontation between the spirits of Joe and 22 is familiar to us today. The view that life is meaningful only when there is a purpose to achieve makes us dream semi-forced and achieve our goals. And we move busily to achieve it, and we live our lives without being able to smell the scent of the wind or enjoy the warm sun. Every



living moment is precious just because it's alive, given the purpose of life created to live a better life, "real life" cannot be enjoyed.

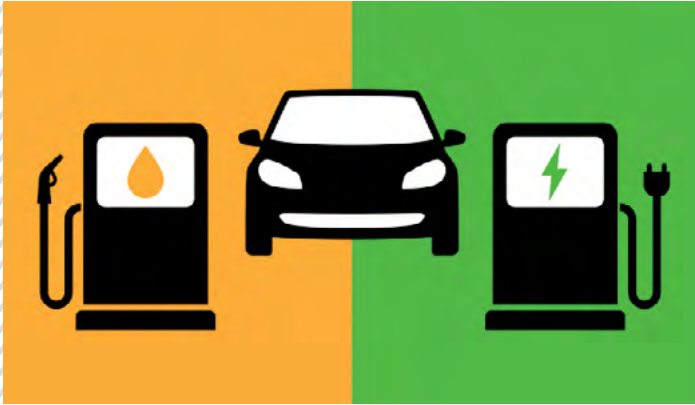
You may wish for a huge spark-like moment in your day-to-day routine, and you may be pessimistic about your life, but the movie Soul encourages office workers who live like zombies without souls to feel the brilliance of this "moment" we have. At the end of the movie, Joe, who poured cold water on the soul 22, also realizes. If you want to live your life, anything that brings you that can be a spark.

Manager Jerry says. *"A spark isn't a soul's purpose. It's a sign that you're ready to live."*

A soul lost in the search for the spark of life elsewhere, are you enjoying every moment of your life.

By reporter **Na Gyeong-Bin**
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The Era of Electric Vehicles



Only a few years ago, electric cars were not common on the road. However, as of 2021, many electric vehicles are operating on the roads. The environmental regulations triggered by global warming were first applied to the automobile industry, which emitted a lot of emissions and caused great damage to the environment. Starting with Europe, the U.S. and Asia, the world has begun to tighten and regulate automobile production standards for emissions. However, strict regulations soon led to consumer deceptions such as the "diesel gate" scandal, lead by exhaust gas manipulation by automakers, which hit the brand image of Volkswagen and Audi.

The situation in Volkswagen and Audi shows that environmental regulations on vehicles using internal combustion engines are too stressful and burdensome for automakers in terms of cost, such as research and development costs. As a result, "electric vehicles" with no exhaust gas emerged as an alternative to internal combustion locomotives, which had been expected more than a decade ago, overcoming the limitations of internal combustion engine vehicles.

With the collapse of Europe's automobile market due to the Corona crisis, the electric car market grew rapidly because the price of electric cars in Europe was very close to the price of vehicles using conventional gasoline or diesel engines. In fact, there are many reasons why the price of electric cars has fallen to this extent, but the biggest reason is the government subsidies from each country. Although subsidies vary from country to country, Europe general-

ly provides subsidies of about \$10,000 for electric vehicle. In the United States, sales of electric vehicles are relatively sluggish because the U.S. government subsidies are not as high as in Europe.

As electric cars become the trend, Europe's automobile industry is approaching a turning point that becomes more economical than internal combustion engine vehicles without government subsidies. Just a few years ago, experts predicted that the turning point would be about 2025, but technological advances are developing faster than expected.

According to the U.S. economic media CNBC, there is currently a global green energy craze, and electric vehicle stocks are likely to rise more than 50% this year and the electric vehicle market will grow to \$5 trillion in the next 10 years.

Currently, not only pure electric vehicle manufacturers such as Tesla, but also traditional automobile manufacturers such as Toyota, General Motors and Ford are about to enter the electric vehicle market, which will soon lead to a significant growth. Which means that the electric vehicle era will soon come. It is not long before the fast-growing number of electric vehicles surpasses the number of internal combustion engine vehicles.

By reporter **Kim Gun-hwi**
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Soaring Housing Prices and Economic Polarization



800 million won. It is a huge amount of money that can be saved only 33 years and four months after saving 2 million won every month. And 800 million won is the median price for all apartments in Seoul.

Housing prices have always been a problem in Korea. Since the early 2000s, people have always felt that housing prices are expensive. However, the current situation is quite different from what it used to be: in the past, housing prices have simply been described as 'expensive,' but in recent years, most people have been discouraged, saying they have given up on buying a house. Also, having a house is not the same house. The gap between provinces, Seoul, and Gangnam is widening. Rising housing prices continue to widen the gap between the rich and the poor, deepening economic polarization.

As housing prices soar, asset inequality is intensifying depending on whether or not houses are owned by households in their 20s and 30s living in Seoul. There are more than 8 million homeless households without a single house. As of 2018, about 11.23 million out of 20 million households own homes, and 8.77 million households are homeless.

Currently, real estate accounts for most of the domestic household assets, making it virtually impossible for low-in-

come people who rely heavily on government subsidies to purchase homes. The current government has emphasized policies for the working class, but the asset gap continues to widen as housing prices have failed to be controlled.

In addition, soaring housing prices are not just widening the asset gap, but also widening the gap between homeowners. The difference in prices between apartments located in key areas of Seoul and apartments located outside of Seoul is billions of won.

This situation in the real estate market is creating an "invisible class" between people based on their residential areas and housing brands, regardless of whether they own homes. Recently, elementary school students have ridiculed students living in rental houses as so-called "wigs," and problems have also arisen that prevent residents of rental homes from passing through general residential areas. It is a sad reality that the impact of the wrong real estate policy is even affecting children.

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



E-cigarettes, Misunderstandings and Truths

There will be many people who try to quit smoking in the new year. However, it is not easy for smokers, whom are addicted to highly dependent nicotine, to succeed in quitting smoking at once. Therefore, smokers look for an auxiliary means of satisfying nicotine to quit smoking. One of the preferred means for many people is e-cigarettes.

There are two main types of e-cigarettes. One is a stick-type e-cigarette that is heated by inserting a stick (or cigarette) similar to a regular cigarette, and the other is a liquid e-cigarette that heats liquid containing nicotine and various flavouring spices. In particular, liquid-type e-cigarettes are increasingly preferred among young age groups due to their various flavors and abundant amount of smoke. However, the Korean government is constantly trying to promote the harmful effects of liquid e-cigarettes and strongly regulates them. On what grounds does the government say that e-cigarettes are harmful?

In 2019, the Ministry of Health and Welfare issued a strong recommendation to stop using liquid e-cigarettes. This is because cases of acute lung damage have been reported after using liquid e-cigarettes in the United States. However, later investigations found that these people were exposed to a large amount of toxic substances called THC and vitamin E acetate, which is only created by the use of an illegal marijuana liquid. In addition, as a result of investigating the ingredients of about 153 types of liquid in circulation in Korea, only 0 cases of THC detection and 0.00002% to 0.00084% of vitamin E acetate, which is very small, were detected in just 13 types. This is 880,000 times less than the vitamin E acetate detection in the United States.

Therefore, it has been proven that the liquid currently in circulation in Korea does not contain harmful substances that can cause lung damage, and although the Ministry of Health and Welfare lifted a strong recommendation to stop using liquid e-cigarettes in May 2020, the measure was quietly passed on to some e-cigarette industry workers.

Meanwhile, the South Korean government and the Ministry of Health and Welfare still promote the harmful effects of e-cigarettes, claiming that e-cigarette liquids contain harmful ingredients such as THC, vitamin E acetate, diacetyl,



acetone, pentandione, propylene-glycol and glycerin. However, as mentioned earlier, THC has not been detected in Korea, and a very little amount of vitamin E acetate was found and would not have a significant effect on the human body. Furthermore, this was not detected when vaporized into the form of vapor actually inhaled by the user.

Also, diacetyl and acetone are virtually the same substance because acetone is the precursor to diacetyl. These two components were also only detected one in 213 to one in 66 compared to regular cigarettes. Pentandion, which is diacetyl-like ingredient, was detected 30 times less than in regular cigarettes. Propylene-glycol and glycerin are substances that are also used in food additives and have yet to be identified as harmful to the human body. Therefore, the Korean government is promoting e-cigarettes as harmful by exaggerating the fact that they were detected with ingredients that do not cause any significant harmful effects to the human body.

Of course, e-cigarettes will not be completely harmless to the human body. Although it is a very small amount, it is true that toxic substances are detected, so they clearly affect the human body rather than completely not smoking. However, it is also true that the degree of adverse effects and harmfulness is significantly lower than that of regular cigarettes. Therefore, the U.K. recommends e-cigarettes at the national level as a substitute for regular cigarettes and a non-smoking supplement. And professor Jung Yoo-seok of Dankook University's Anti-Smoking Clinic also said that e-cigarettes are 95 percent more harmless than regular cigarettes, and recommends e-cigarettes to those who decide to quit smoking. Therefore, users should be able to make the right choice away from misconceptions and information about e-cigarettes.

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



Electronic Music Legend Daft Punk Disintegrates after 28 Years

French legendary electronic duo Daft Funk announced their disbandment after 28 years.

Daft Punk posted an eight-minute video titled "Epilogue" on his YouTube channel on the 22nd (local time) to announce the disbandment to their fans. The video homaged their own film "Electroma." Two members wearing a trademark helmet walk in the desert. One of the two, who stopped walking and looked to the other, took off his jacket. The other person presses the time bomb detonator attached to the back of one member. The member with the time bomb walks away and explodes soon after.

Later on the screen, the phrase "1993-2021" appears with an image of the two members' hands. 1993 was the year they were formed. The video ends with a scene where the sun sets (or rises) in the sea. As the background music, a chorus version of the song "Touch" from the 2013 album "Random Access Memory" was inserted.

When the video was released, fans speculated whether Daft Punk implied retirement or disbandment. Katherine Fraser, Daftpunk's publicist, confirmed the disbandment to CNN, BBC, and other foreign media but gave no specific reason.

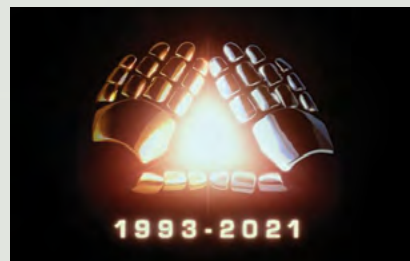
Daft Punk enjoyed worldwide popularity in the 2000s, creating a sensation of electronic and house music. Their members, Tomas Bangalter (46) and Guy-Manuel de Homem-Christo (47), met for the first time in Paris when they were students. Following "Da-Punk" and "Around the World" on their debut

album <Homework>, they have established their position as a superstar by successively performing "One More Time", "Harder, Better, Faster, and Stronger" on their second album <Discovery> which is considered one of their most popular albums.

The third album <Human After All> in 2005 and the fourth album <Random Access Memory> released in 2013 also enjoyed global popularity. In particular, <Random Access Memory> which minimizes digital equipment and records only with live instruments, was evaluated as the "peak of Daft Punk music." With this album, Daftpunk won five awards at the 2014 Grammy Awards, including the Album of the Year award. They have also frequently collaborated with famous pop stars such as Farrell Williams and Weekend.

Daft Punk is famous for rarely showing their face to the public. The robot-shaped helmet, which was worn around the second album, has become their trademark. The pop music industry also sent a message of regret and respect to the news of the disbandment of Daft Punk. Star producer Mark Ronson tweeted, "Daft Punk left the board with a flawless legacy," and Weekend, who worked with them, wrote on Instagram Story, "I'm grateful to be a part of the journey."

By reporter **Wi Young-bum**
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Celeb's Involvement in Politics

Recently, the number of political remarks by celebrities and athletes has been increasing. In early March, there was a war of words between famous athletes from abroad. The controversy surrounding the political moves of NBA superstar LeBron James and Italian football legend Zlatan Ibrahimovic.

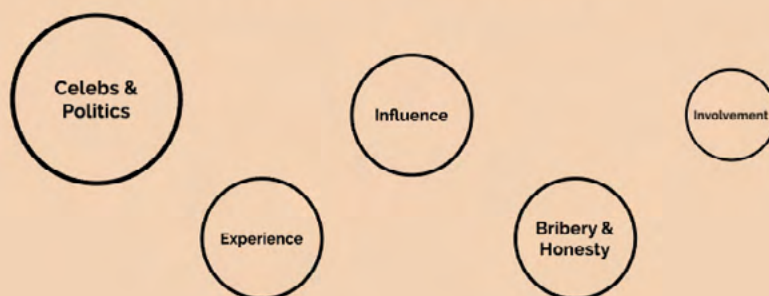
Ibrahimovic told Discovery Plus in February, "LeBron James is a phenomenal player when he plays basketball. But I don't like such famous players to participate in politics." "You have to do what you're good at. I play soccer because I am the best soccer player, and if I become a politician, I will play politics."

His remarks criticized the actions of LeBron James, who is active in participating in society by criticizing former President Donald Trump and encouraging black people to vote. LeBron James, on the other hand, said in an interview after the match on the same day, "Ibrahimovic was wrong. I won't shut up about the wrong thing." "I talk about equality, social justice, racism, and oppression of voting rights," he said. This is because I watched what happened as a member of the community. "As much as I know the power of my voice, I can't just focus on sports."

LeBron James has been politically active for a long time. In 2012, he posted a photo of a 17-year-old boy who was shot to death by a white man while wearing a hoodie at a convenience store on his SNS. He also played in New York City in July 2014, wearing a top with the sentence "I can't breathe" in honor of a black man who died in the excessive suppression of white police officer.



Should Celebrities Keep Out of Politics?



In recent years, the political participation of celebrities such as celebrities and sports stars has become a hot topic in society. The faces of celebrities imprinted on the public by media development, such as the explosive expansion of TV channels and the spread of the Internet, are very effective in gaining people's attention. Celebrity-led charity events, social movements, and political activities have achieved great success with high public interest and participation, and election-time voting encouragement campaigns and nomination campaigns have a great impact on the political culture as well as the election process.

However, these celebrities' participation in politics is called a double-edged sword. It is true that there is a positive effect in actively attracting political participation and attracting attention, but the public may have a biased view due to the large social impact of celebrities.

Therefore, the public should focus on their political and social participation, not just on the act itself, but on what they claim, avoiding unconditional acceptance and criticism of their views.

By reporter **Choi Dong-hee**
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Domestic Vaccination Begins

Domestic COVID-19 vaccinations began on February 26. It is getting closer to the expectations of citizens who are tired of the prolonged COVID-19 and hope to regain their daily lives as soon as possible. There are many different types of COVID-19 vaccines, so let's find out the characteristics of each type of vaccine first.

Pfizer vaccines developed in the U.S. and Germany, and Moderna vaccines developed in the U.S. inject surface antigen genes into RNA to generate surface antigen proteins in the body to induce immune responses. Although the development and production period are short, the distribution is difficult. This is because Pfizer should be distributed at minus 70 degrees Celsius and Moderna minus 20 degrees Celsius. With 95 percent effectiveness of the Pfizer vaccine and 94.1 percent of the Moderna vaccine, higher preventive effects can be expected compared to other vaccines.

Astrazeneca, developed in the United Kingdom, is a viral vector vaccine that is administered with a viral antigen gene. It is easier to store and distribute than the Pfizer and Moderna's vaccine introduced earlier. This is because the storage temperature is 2 to 8 degrees Celsius. According to AstraZeneca, the vaccine showed 70 percent immune effectiveness in Phase III of clinical trials.

The vaccine developed by "Johnson & Johnson" in the U.S. has a lower immune effect than the Pfizer and Moderna vaccines, but it is known that a single vaccination will also prevent it. J&J is expected to begin the process of obtaining emergency approval from



European countries and the World Health Organization. The number of vaccinations per vaccine is two for Pfizer, Moderna, and AstraZeneca, while Johnson & Johnson is one

The inoculation fee is free. Because the clinical trial period is too short, concerns about side effects are also natural. The most common abnormal response known to date is pain. Fatigue, headache, muscle pain or joint pain, fever and pain in the vaccination area are reported as abnormal reactions. Most of these side effects are reported to disappear within days of vaccination, usually within three days. These abnormalities are not limited to the covid-19 vaccine, but are also common in other types of vaccinations.

Currently, anaphylaxis is a severe adverse event in which the causality of the COVID-19 vaccine is recognized. It is a fatal allergic reaction, but if early diagnosis and proper treatment are made, it can be recovered without any problem. There are currently no severe adverse events associated with the vaccine other than anaphylaxis. There-

fore, the abnormalities of COVID-19 vaccines are about the same as those of other vaccines.

Jung Eun-kyung, head of the Korea Centers for Disease Control and Prevention, said, "After receiving vaccinations, abnormal reactions can inevitably occur. The government operates a damage compensation system to protect the public and medical workers who implement vaccinations." In case of death, KRW 437.4 million in compensation and funeral expenses will be paid. In addition, the government plans to improve the system so that people can be vaccinated with confidence by increasing the number of victims than before, simplifying the screening process, and not setting standards for the amount of medical expenses.

Daily life in the days when there was no COVID 19 cannot be realized immediately, but we hope that the time will come when we enter the collective immune system and live without masks as soon as possible

By reporter **Na Gyeong-Bin**
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The Worst Air Pollution Ever

In late March, brown smog and yellow dust covered the entire Korean Peninsula. The brown smog attack, which has slowly intensified since the past decade, is now deeply penetrating our daily lives and becoming a part of our lives.

Ten years ago, when I was only a freshman in high school, even the word brown smog was very unfamiliar. Also, "spring" reminded me of sunny weather, cherry blossoms, and outing, but now when I hear the word "spring," I think of brown smog and air pollution.

Fine dust is an air pollutant consisting of tiny particles of dust that are invisible to our eyes. In a report titled "Economic Outcomes of Air Pollution" in 2016, the World Organization for Economic Cooperation and Development warned that if Korea fails to properly deal with the fine dust problem, it will become the world's highest death rate from air pollution by 2060.

The main causes of brown smog in Korea are dust from China, coal power generation in Korea, old diesel cars and construction machinery. Of course, the biggest reason is dust from China. In fact, brown smog existed in the 1980s and 1990s, but the concentration of ultrafine dust was neither as high nor as long as it is now. In the past, high concentrations of ultrafine dust occurred and disappeared for two days, but recently, it has been continuing for a long time from the 1, 2 days to more than a week. It is also a serious problem that a large amount of harmful heavy metals and chemicals are added. These heavy metals and chemicals can also have significant effects on eye diseases, respiratory organ, heart, and brain.

In fact, yellow dust and brown smog are different concepts. Yellow dust is a natural phenomenon in which strong winds blow in deserts in China and Mongolia, causing naturally made sand and soil dust to ride the westerlies in spring and affect faraway areas such as Korea and Japan. The yellow dust blowing in Korea is a natural phenomenon in which strong wind blows through the desert in China's inland, causing naturally created sand and dirt to ride the western wind in spring and affect far areas such as Korea and Japan. On the other hand, brown smog occurs for artificial reasons

such as industrial facilities and automobile exhaust gases. The reason why yellow dust is more deadly recently is that particular matter generated in China is added to the yellow dust, making it even more deadly.

Currently, the government is proposing policies to measure brown smog and reduce damage. The Korea Environmental Corporation operates a site that provides real-time air pollution levels nationwide, and provides free text services for air pollution forecasts. In addition, private companies are releasing various devices to eliminate particular matter. In most households, air purifiers have become essential, and sterilizers for clothes that sterilize pollutants are also very popular.

But these efforts are not a fundamental solution. Currently, the Korean government is very passive, reluctant to protest against China, even though brown smog from China continues to hit the Korean Peninsula. In addition, it is proposing various measures to reduce the impact of fine dust generated in Korea. But this can never be a fundamental solution. Of course, China is the biggest culprit of particular matter in Korea, but the Korea government is only focusing on the causes that are not fundamental. The public's response to this is also very bad, and the damage caused by fine dust is being suffered by the public. In this situation, all we can do is protect ourselves from fine dust as much as possible.

Let's protect ourselves from Air Pollution!

1. When there is a fine dust warning, refrain from going out as much as possible.
2. Make sure to wash your hands and face clean after returning home.
3. Wear a mask that fits your face when you go out.
4. Wear a mask as close to your face as possible.
5. Drink water as often as possible to release harmful substances from the body.

By reporter **Kim Gun-hwi**
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To Eradication of Violence in Sports

The violence committed by the twin sisters Lee Jae-young and Lee Da-young during their school days were shockingly brought to the public recently. The twin sisters, who had emerged as icons of the volleyball world while filming commercials, instantly were shamed once the revelation of their past, which was hard to say and do. The twin sisters were suspended indefinitely and even disqualified from the national team.

As the issue of school violence began to break out, the so-called "school violence Me Too" movement began. The school violence Me Too, which started in volleyball, naturally affected other areas. Suspicions of academic violence are being raised among those who are considered "superstars" in the baseball, basketball, and soccer circles. Also, the entertainment industry has a school violence issue. Controversy over the school violence of many celebrities, regardless of their fields such as actors and idols, is dominating the top real-time search keyword. Of course, it includes groundless content, which makes it a mudslinging battle.

Prime Minister Jeong Sye-kyun said structural improvements are urgently needed in response to the recent series of revelations of past school violence by athletes. The ministry also ordered related ministries, including the Ministry of Culture, Sports and Tourism, to actively consider special measures such as The history of school violence shall be reflected in the criteria for selection of representative athletes and qualification for competition, etc.

Prime Minister Jeong said, "There are structural problems in the sports world, such as sexualism, rigid hierarchy, and a closed training environment, that violence is encouraged and easy to hide," and stressed, "The false belief that violence is sometimes needed to improve grades should now disappear."

»appropriate government countermeasures

If facts are revealed through investigation by the Sports Ethics Center or self-acceptance, the Ministry of Culture, Sports and Tourism and related organizations will form a

consultative body to prepare guidelines for permanent eviction, suspension, and community service by comprehensively considering whether the victim is forgiven, the level of violence, whether he has ever been disciplined for a violent incident, and the victim's intention.

It also established a plan to manage information of disciplined students separately. The government said, "By 2022, we will establish a disciplinary information system for each sports organization and include and manage disciplinary information on measures taken under the School Violence Prevention Act on the perpetrators through consultation with related agencies." and "To this end, we will push ahead with the revision of related laws such as the National Sports Promotion Act."

In the future, when selecting athletes from professional sports clubs, business teams, national teams, and universities, they will check their school violence-related histories and limit their selection. In particular, professional sports will receive a pledge confirming that they have no history of school violence when selecting new players, and will be able to sanction them based on the pledge if they are falsely written.

High school students who have been expelled from school will go to lock down the registration and be banned from participating in events and comprehensive competitions for a certain period of time after receiving a disposition under the School Violence Prevention Act. To this end, a plan will be set up to submit a confirmation letter for the school president regarding the student record or school violence records when registering athletes or applying for participation in the competition.

"As a role model for student athletes, sports players also need great social responsibility," said Minister of Culture, Sports and Tourism Hwang Hee. "We will establish principles and standards to hold them responsible for violence even in past incidents, but we will implement the measures by communicating with victims, sports sites, and professional organizations so that they can get true healing from the victim's point of view,"

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



The Rise of Taiwan's Economy

Taiwan's economy is changing. Taiwan has not been able to break away from low growth for more than 30 years, serving only as a subcontracting base for Japanese conglomerates under China's checks. The gap has widened since per capita income fell behind Korea in 2003. However, the pattern has changed recently. Taiwan's economic growth rate has surpassed Korea for two consecutive years in 2019 and 2020, and is expected to surpass Korea this year. In addition, it is highly anticipated that Taiwan's per capita income will surpass Korea by 2024.

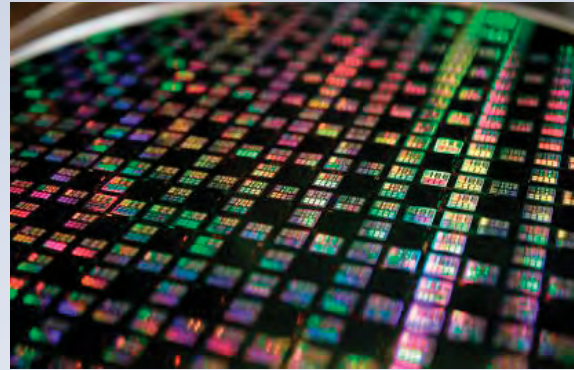
According to the Taiwan Statistics Office and the Bank of Korea, Taiwan's real economic growth rate in 2019 was 2.96%, and 2020 was 2.98%, far exceeding Korea's 2.0% and -1.0%. Taiwan's National Statistical Office predicted Taiwan's economic growth rate will reach 3.83% in 2021, far ahead of Korea's economic growth forecast of 3.0% this year.

As Taiwan's economy is growing so fast, Taiwan's per capita income (GNP) is also rising rapidly. Taiwan's per capita income rose from \$26,421 in 2018 to \$29,205 in 2020.

Also, the income gap with Korea is rapidly narrowing. Korea's per capita income has been ahead of Taiwan since it overtook Taiwan for the first time in 2003, but Korea is decreasing every year to \$33,563 in 2018, \$32,114 in 2019 and \$31,000 in 2020.

The rise of Taiwan is very effective in reflecting the conflict between the U.S. and China. In 2016, President Tsai Ing-wen was elected under the slogan "Taiwan's Independence and Anti-China," and some of the global companies such as the U.S. and Japan moved their production bases from China to Taiwan as U.S. President Donald Trump, who took power in 2017, started a trade war with China. A case in point is Apple's relocation of its production facilities to Taiwan in 2020.

The growth of Taiwan's economy is being led by semiconductor companies such as TSMC. Last year,



Taiwan's semiconductor companies exported about one-third of Taiwan's total exports. Last year, Taiwan's exports increased by about 2% compared to the previous year, in contrast to last year's 2.5% drop in Korea's exports from the previous year. Also, TSMC, Taiwan's leading semiconductor company, has a market capitalization of about \$568.5 billion, far ahead of Samsung Electronics, which currently stands at \$497.3 billion.

The Taiwanese government is fostering IT technology industries such as semiconductors. Under the plan to turn the entire country into a 'Silicon Island', it has invested tens of trillion won in IT industries such as semiconductors since the late 1990s. The Taiwanese government also contributed greatly to economic growth through pro-U.S. policies. After the trade war between the U.S. and China, major U.S. IT companies are driving semiconductor supplies to Taiwan's TSMC.

Currently, Taiwan's industrial structure is being reorganized from small and medium-sized enterprises to large enterprises. Large businesses such as Foxconn, Formosa Group, and HTC have grown significantly with TSMC at the forefront. This is because in this era of intensifying global competition, an economy with a large number of large companies with financial power and networks is very advantageous for survival.

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



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