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PRAISE

World lavishes praise on DPRK leader

The international community continues to praise Supreme Leader Kim Jong Un as a world leader these days as he has brought about a new turn in the situation of the Korean peninsula and the world.

A US website specializing in Korean affairs has recently carried an article which said that Kim Jong Un has greatly altered the dynamic landscape of the region through his energetic diplomatic activities and that his image stood out as a world leader at the summit talks with the US President. Referring to his outstanding diplomatic acumen, the article concluded that it should be the target of the US to establish normal relations with the DPRK.

Tanzanian newspaper *The Guardian* carried a contribution by a professor which set the "experience Africa can learn from the DPRK" as the theme and dealt with the strategic position the DPRK takes on the international arena and the basic factor of that. The professor in the article asserted that the experience obtained by the DPRK, which has fully achieved independence in politics, self-sustenance in the economy and self-reliance in defence, is an exemplar African countries should copy, and detailed its process of rising to the present strategic status in relation to the dramatic events of last and this years. Based on convincing arguments, he wrote that the reality of the DPRK, which is not so large in territory and population but has a great influence on the world

political landscape, is unthinkable apart from the outstanding leadership of Kim Jong Un.

The chairwoman of the Party for Peace and Unity of Russia stated that the successful DPRK-US summit meeting and talks in Singapore showed that he is a world leader of the present times with a remarkable insight.

Such regional organizations as the Arab Regional Committee for Friendship and Solidarity with the Korean People and the African Regional Committee for the Study of the Juche Idea published statements to offer their warm congratulations to the DPRK Supreme Leader who made a great contribution to peace and security on the Korean peninsula and in the world with his extraordinary diplomatic wisdom and energetic diplomatic activities.

Russian newspaper *Komsomolskaya Pravda* reported that this year's New Year Address of Kim Jong Un and eye-opening events taking place in the DPRK clearly tell that he has extraordinary courage, adding that Korea's reunification will surely be achieved thanks to the Supreme Leader who confidently leads the political situation of the Korean peninsula and the world.

A Bangladeshi daily lauded him as an experienced statesman who is able to make prudent decisions in the world political upheaval with his unimaginable courage, scientific foresight and brilliant political insight.

Compiled from KCNA

ECONOMY

Industrial establishments exceed July targets

Workers in different sectors have fulfilled the national economic plan for July.

Factories under the vehicle industry management bureau of the Ministry of Machine-building Industry hit the July target for total industrial output value.

The workers of the Kumsong Tractor Factory turned out in a vigorous increased production drive to improve the performance of equipment including multi-axis drilling machine and single-axis milling machine and build up its production capacity.

The Chungsong Tractor Factory fulfilled the July production plan by concentrating on the production of Chungsong-122 tractors that suit the

geographical conditions of the country, providing a guarantee for finishing the annual production plan earlier than scheduled.

Those of the Sunchon Engine Factory, Hamhung Wheel Factory and Huichon Precision Machine Factory made innovations in production while solving scientific and technological problems arising in improving equipment by conducting a dynamic technical innovation drive.

The industrial establishments in the field of mining machine industry also fulfilled the plan for total industrial output value for July.

The Anju Pump Factory overfulfilled the July production plan by

mounting a fierce increased production drive. It is carrying on the production of pumps to be supplied to coal mines at the final stage while pushing the production of custom-built equipment needed for construction projects.

The Ranam Coal-mining Machine Complex is now increasing production while making collective innovations in the production of ordered equipment needed for electric power and coal-mining industries.

The Hoeryong Coal-mining Machine Factory hit the production target on all indices including coal wagons and winches in July again after June.

Many units under the Bureau of Sericulture and Silk Industry also hit their production targets for July.

The workers and technicians of the Pyongyang Kim Jong Suk Silk Mill are increasing production of silk thread with less manpower by positively introducing advanced working methods and valuable technical innovation plans into all production processes.



The Pyongyang Metal Building-materials Factory boosts production.

By Song Yong Sok PT

Indonesia's presidential envoy visits DPRK



Kim Yong Nam, president of the Presidium of the DPRK Supreme People's Assembly, meets the envoy of the Indonesian President.

Puan Maharani, coordinating minister for Human Development and Cultural Affairs of Indonesia, visited the DPRK in her capacity as a special envoy of Indonesian President Joko Widodo.

She presented a gift to Supreme Leader Kim Jong Un.

Kim Yong Nam, member of the Presidium of the Political Bureau of the Central Committee of the Workers' Party of Korea and president of the Presidium of the Supreme People's Assembly of the DPRK, met Puan Maharani at the Mansudae Assembly Hall on July 30 when she paid a courtesy call on him.

The special envoy asked Kim to give the warm greeting

and letter from the Indonesian President to the DPRK's Supreme Leader.

She also requested him to relay the greeting from former Indonesian president Megawati Soekarnoputri to the Supreme Leader.

Kim expressed deep thanks for it before sharing a friendly talk with her.

Present there were also Vice-Premier Ri Ryong Nam, Deputy Foreign Minister Choe Hui Chol, officials concerned, as well as the entourage of the special envoy, Indonesian ambassador Bambang Hiendrastio and a member of his embassy staff.

The DPRK government hosted a reception in honour of the special envoy at the assembly hall on Monday.

By Jong Sun Bok PT

WPK congratulates United Socialist Party of Venezuela

The Central Committee of the Workers' Party of Korea on July 28 sent a congratulatory message to the Fourth Congress of the United Socialist Party of Venezuela.

Expressing invariable support to and solidarity with the just struggle of the Venezuelan Party, it, in the message, hoped that the ties of friendship and cooperation between the two parties would be bolstered up in the joint struggle for independence against imperialism and for socialism and wished it great success in its congress.

Compiled from KCNA

DPRK  70th anniversary

A heyday of socialist construction in the 1970s

Having completed socialist industrialization in a matter of 14 years, the Korean people were faced with the tasks of consolidating the economic foundations of the country and boosting the socialist national culture in order to hasten the complete victory of socialism.

The Fifth Congress of the Workers' Party of Korea in November 1970 set forth the Six-Year Plan (1971-76) as a new landmark in achieving the complete victory of socialism and the nationwide victory of the revolution.

The main goals of the Six-Year Plan were to build on the achievements in industrialization, to further cement the material and technical foundations of socialism by taking the technological revolution to a higher level, and to free the working people from backbreaking labour in all sectors of the national economy.

The entire population turned out following the road map of socialist construction.

President Kim Il Sung put forward a line of starting grand socialist construction in February 1974, calling on the entire Party and all the people to make concerted efforts to finish the Six-Year Plan ahead of schedule and meet the higher goals of socialist economic construction.

Grand socialist construction, an unprecedentedly huge and large-scale economic drive, needed a new fighting method and working principle.

It was at the time when

Chairman Kim Jong Il set forth a policy on launching the speed campaign in a bid to speed up grand socialist construction.

The speed campaign required mobilization of every possible force to push work as rapidly as possible while ensuring the quality at the top level.

The grand socialist construction campaign proceeded apace to meet the requirements of the speed campaign.

In 1974, the first year of the drive, a 70-day campaign designed to hit the annual economic targets successfully was waged on all the fronts of socialist construction from October.

During the campaign a new speed, another Chollima speed, was created to increase output 1.7 times on average more than before the campaign, with the total value of industrial output reaching 148% in November and 152% in December as against the same periods of the previous year.

This was a growth rate that could not be seen in the capitalist economies that were hyping their "prosperity" and "rapid growth". Such a world-startling speed made it possible to provide a springboard for the socialist economy to make a leap forward and work fresh miracles uninterruptedly.

The Six-Year Plan was carried out one year and four months earlier than scheduled in terms of the total value of industrial output, and the grain target hit two years earlier. In the period real income of the blue- and



A cargo ship was launched during the period of grand socialist construction.

white-collar workers rose by 1.7 times, and that of farmers by 1.8 times.

In late 1975, the Three-Revolution Red Flag Movement was initiated under the guidance of the great leaders.

The movement, a new higher level of mass movement, evolved from the Chollima Workteam Movement and upheld the slogan "Let us meet the requirements of Juche in ideology, technology and culture!"

The movement spread like wildfire throughout the country, its flame flaring up in all the fields, including industry, agriculture, traffic and transport, science, education and public health, in a little over a month.

The whole country was

humming with activity and life.

Remarkable achievements were made in cultural construction.

The DPRK already enforced primary compulsory education in 1956, secondary compulsory education in 1967.

On the basis of this, it initiated the universal 11-year compulsory system in 1975. It also adopted a childcare law in late April 1976 to legally guarantee the system of raising the child population at the expense of the state and society. In addition, it expanded the higher education network to train a million-strong army of technicians and experts in the

period of the Six-Year Plan.

Great efforts were channelled into the development of science, art and literature, public health and sports.

A heyday of the Juche-oriented art was unfolded as a revolution was effected in all the fields of art and literature, especially film, opera, drama, novel, music, dance and fine arts.

Indeed, the 1970s were a stirring decade when the Korean people raced against time at the pace of Chollima, spurred on by the speed campaign, under the leadership of the Party, full of pride and dignity in the building of a socialist industrial state on this land.

Jong Sun Bok

in brief

Museum celebrates 70th anniversary

A meeting was held on July 31 to celebrate the 70th anniversary of the Korean Revolution Museum.

It was attended by Pak Kwang Ho, vice-chairman of the Central Committee of the Workers' Party of Korea, Hwang Sun Hui, an anti-Japanese war veteran who is also curator of the museum, and officials, lecturers and employees of the museum.

Pak Kwang Ho delivered a congratulatory message sent by the WPK Central Committee to the lecturers, employees and officials.

The museum is the one and only revolutionary museum of the leader in the world, which encapsulates the glorious revolutionary histories and immortal exploits of President Kim Il Sung and Chairman Kim Jong Il and a treasure trove

and grand temple of education in the revolutionary traditions that truly contributes to achieving the cause of modelling the whole society on Kimilsungism-Kimjongilism, the message said. It added that over the past seven decades, the museum fulfilled its duty in a responsible manner at the outpost of the front of education in revolutionary traditions, which is aimed at maintaining the lifeline of the Juche revolution with the blood of Paektu, thereby faithfully living up to the Party's trust and expectations.

Speakers pledged to enrich the treasure trove for education in the revolutionary traditions by channelling big efforts into finding and displaying more relics and materials that demonstrate the history of the victorious Korean revolution which has advanced under the leadership of the President and the Chairman and the Party's history of leadership.

Friendship matches with Chinese diplomats

Friendly games took place at Changdok School's gymnasium on August 1 between officials of the Korean Committee for Cultural Relations with Foreign Countries and members of the Chinese embassy in Pyongyang.

The event was attended by

Pak Kyong Il, vice-chairman of the Korean Committee for Cultural Relations with Foreign Countries who is also chairman of the DPRK-China Friendship Association, and Chinese ambassador Li Jinjun.

The players competed in volleyball and basketball, displaying their skills and unfolding scoring scenes.

The participants shared friendship and rapport.



Officials from the Korean Committee for Cultural Relations with Foreign Countries play a basketball match with Chinese diplomats.

International children's camping starts

The 33rd round of the international children's camping started with due ceremony at the Songdowon International Children's Camp on August 1.

The entrance ceremony was attended by Jong Yong Won, secretary of the Central Committee of the Kimilsungist-Kimjongilist Youth League, Chae Il Ryong, vice-chairman of the Kangwon Provincial People's Committee, officials concerned, and camping groups from the DPRK, China, Russia, Laos and Vietnam as well as a group of overseas Korean campers.

Earlier, the foreign campers visited the Natural History Museum, Tower of the Juche Idea, Mangyongdae Schoolchildren's Palace, Munsu Water Park and other places in Pyongyang.

Compiled from KCNA

COMMEMORATION

Museum showcases the whole course of the Korean revolution

The Korean Revolution Museum stands magnificently behind the statues of President Kim Il Sung and Chairman Kim Jong Il on Mansu Hill that commands an overall view of Pyongyang, drawing an endless stream of visitors.

The museum encapsulates the revolutionary histories of President Kim Il Sung and Chairman Kim Jong Il who led the revolutionary cause of Juche and the cause of independence for mankind along the road of victory with outstanding leadership and through gigantic revolutionary practice.

Founded on August 1 1948, it has covered a proud course of development as a base for education in revolutionary traditions over the past seven decades.

Kim Il Sung, with a deep insight into the importance of the inheritance of and education in revolutionary traditions, initiated the establishment of the museum and wisely led the effort even under the difficult and complex circumstances in the post-liberation years.

In its initial days, the museum focused on laying its material foundations and hosted several rounds of photo exhibitions

based on scientific data it discovered and identified.

The collection of materials proceeded uninterruptedly during the fierce Fatherland Liberation War. The museum completed preparations for developing the museum into a base for education in revolutionary traditions in a short time after the war and was inaugurated in August 1955.

It was newly built in the heart of Pyongyang after the readjustment and reinforcement of its material foundations and later, in April 1972, it was built afresh in the present location to mark the 60th birthday of President Kim Il Sung.

It underwent further renovation as the eternal wealth of the Korean nation under the wise guidance of Supreme Leader Kim Jong Un, who is determined to safeguard the glorious revolutionary histories and undying revolutionary exploits of the great leaders, hand them down to posterity and inherit and develop the revolutionary traditions of the Workers' Party



KCNA

A front view of the Korean Revolution Museum.

of Korea through generations, and backed up by loyalty of all the service personnel and people.

The museum opened to the public in March 2017 after being renovated wonderfully on the threshold of the 105th anniversary of the birth of the President.

With a total floor space of some 60 000 square metres, the museum has coloured statues of the great leaders and consists of a general review hall and ten halls. On display are exhibits that are related to the revolutionary history, from the 1860s to the

days when the Seventh Congress of the Workers' Party of Korea was held, and that are arranged according to contents and times including the periods of the anti-Japanese revolutionary struggle, a new Korea building, Fatherland Liberation War and full-scale socialist construction.

There are also halls featuring the relationship between the great leaders and their comrades-in-arms, the national reunification movement and overseas compatriots' movement.

The 100-odd display rooms of the museum show tens of thousands of historical relics and materials related to the noble revolutionary careers and immortal exploits of the great leaders and the history of the Party in a systematic and comprehensive manner.

Various techniques have been employed to display these exhibits which impressively show the wise leadership of the President and the Chairman, who victoriously led the anti-Japanese revolutionary war, the Fatherland Liberation War, stages of socialist construction and the uphill campaign to defend socialism, as well as the heroic struggle of the Korean service members and people. They serve as standard textbooks for education in revolutionary traditions.

The exhibits represent the images of the President and

the Chairman as great men and their achievements in a comprehensive and profound manner, while ensuring utmost courtesy, scientific accuracy and visual effect.

Visual and 3-D effects have also been ensured in other exhibits including newly made relief maps and models, and new ground has been broken in terms of the style of display and lighting effect. In particular, dioramas give a vivid portrayal of historical events including the battle in Pochonbo in the period of the anti-Japanese armed struggle and the battle on Height 1211 during the Fatherland Liberation War.

The museum can rightly claim to be a treasure trove of information about the history of the Korean revolution in light of content, form and scale.

It can accommodate 3 000 visitors a day.

Lectures are given at display and general lecture rooms with the help of multimedia. And individual visit is also available.

The museum tells the Korean people how the history of the victorious Korean revolution that started on Mt Paektu was created and has been carried on successfully, serving as their ideological and spiritual pillar and a grand temple of education in revolutionary traditions.

By Jong Sun Bok PT



PHOTOS BY HAM YONG SOK



PRODUCTION

Quality-conscious campaign produces good results

Particular attention is being paid to scientifically ensuring the quality of products in industrial establishments across the country.

The production process of nutritious rice powder of the Pyongyang Children's Foodstuff Factory and that of processed fish of the Hungnam Taegyong General Fishery Enterprise obtained the national quality management system certifications, bringing about a turn in improving product quality.

The national quality management system and GMP certifications were also given to the production lines of

many other units including the Kumkhop General Foodstuff Factory for Sportspeople, which has built up its technical personnel uninterruptedly and made all production processes germ- and dust-free.

The crosslinking polyethylene insulation electric cable and more than 20 other products of several units, which fully guarantee the reliability of products by standardizing them, were certified as quality ones.

February 2 Products are on the increase amid the nationwide campaign to diversify products and improve their quality under the banner of the Juche orientation.

Over a dozen products were registered as February 2 Products as they are flawless in terms of quality, packaging and trademark design. They include sweet jelly of maize, peppermint flavoured drops and canned trout of the Sonhung Foodstuff Factory, Pyongyang Cornstarch Factory and Kim Chaek Taegyong General Fishery Enterprise, which have established a Korean-style quality management system and concentrated all efforts on updating products and developing new ones.

Such February 2 Products as overcoat and jacket for children and men's padded clothes are the prides of the Songdown General Foodstuff Factory, Kyonghung Unhasu Foodstuff Factory and affiliated units of Myohyang and Rungrado guidance bureaus which have worked out business and management strategies and reenergized production according to the people's demands and likings.

A variety of plastic goods, foodstuffs and tonics of the Rangnang Disabled Soldiers' Essential Plastic Goods Factory and Kaesong Koryo Insam Processing Factory are also favoured by people.

By Song Yong Sok PT



KCNA

The woman worker at the Pyongyang Hosiery Factory examines the product.

PIG BREEDING

Farm employs advanced method in pig breeding

The Sunchon Livestock Farm has increased pork production in recent years by putting breeding and management of pigs on a scientific basis while cutting production costs.

It introduced the pollution-free pig breeding technology into breeding and management.

Pig breeding based on the deep litter system is a typical example.

The system uses rice chaff, sawdust, cornstalk and other vegetative materials as litter to ferment it as microorganisms. If a hole is dug in a certain depth under the floor of pigsty and vegetative materials are put into it together with microorganisms with great ability to dissolve them, the excrement in the pigsty will disintegrate to provide an environment suitable to breeding pig.

Pig breeding based on this system is recognized worldwide as a pollution-free breeding technology which helps produce green livestock products, and

many countries are working to further develop the technology.

An important thing is to properly fix the mixing ratio of litter.

According to information available, the ideal ratio is to mix rice hulls with good permeability with sawdust that has good water absorptivity in the ratio of 5:5.

The farm researched steadily to find out its proper mixing ratio without using sawdust.

In the course of this, it selected only hulls of rice as a rich source to mix them with rice bran, farm-made vegetable nutrients and pig's excrement. Through years of trial, the litter has been confirmed to be as good as the case when hulls of rice and sawdust are mixed.

The farm furnished all the sties for piglets and mother pigs with the system to meet their specific conditions.

Breeder Kim Yong Hui says that the breeding method based on the biological nature of pigs

that like to grub the ground and the fermentation technology of microorganisms is more advantageous than breeding in concrete-floored pigsties.

As microorganisms in the fermentation litter dissolve the excrement of pigs and the litter absorbs harmful gas, there is no stinky smell in the pigsties. The internal temperature is 15-18 °C even in winter without using electricity or coal for heating. The provision of environment suitable to the way of life of pigs that are fond of grubbing helps reduce stress and improve their nourishment to produce quality pork. In particular, it prevents stinkyfoot and skin disease and lowers the outbreak of such diseases as bronchopneumonia and diarrhoea. So the quality of pork conforms to ISO 22000. This environment-friendly system saves much electricity, water and manpower, requires no sewage treatment plant, and produces a great deal of organic fertilizer.

The farm also developed multi-functional feed

additives that are not accumulated in the body, but increase immunity and promote growth.

"Our farm annually saves 600 000 kW of electricity, 30 percent of feed and 80-90 percent of water as compared to previously and increases output 10 percent," said Kim Phil Song, manager of the livestock farm.

The technology was highly appreciated at this year's national sci-tech festival and is being introduced into various domestic livestock farms and households.

By Jong Hwa Sun PT



KIM CHOL / THE PYONGYANG TIMES

The Sunchon Livestock Farm applies a pollution-free breeding method to pig production.

R&D

Taking lead in development of light burned magnesia products

The booth of North Hwanghae Province was most attractive at the national exhibition of sci-tech achievements in the field of furniture, fittings and acoustic building materials which was held at the Sci-Tech Complex in June.

Because all products on display were made from light burned magnesia without using wood.

The province is leading the local trend of developing such products.

It has made steady efforts to increase the utility of light burned magnesia for nearly 10 years.

Key developers are Kim Ki Ryong and Ri Kwang Chol.

"Most people think that light burned magnesia is a stone, so it will be heavy. But it is the lightest, compared with ordinary building materials, except for wooden and plastic ones, and easy to process as it has elastic quality," Kim said.

They first solved the problems of deformation and water-resistance, knotty problems in the light burned magnesia using technology, by making additives with locally available materials.

When these additives are applied, it does not deform in any conditions. And it grows in intensity and develops superb fire-proof, damp-proof, soundproof and antiseptic properties.

The developers also completed the production methods of various products according to the additives.

In particular, they are now directing their efforts to improving the quality of light burned magnesia plank in order to lighten products.

"We can replace wood with light burned magnesia plank in making furniture if we make it thinner and stronger," said Ri Kwang Chol.

It also conforms to the trend of using light burned magnesia in the transition from the making of doors and shuttering to that of furniture.

It is the immediate goal of the developers to lead the local furniture factories by completing a quality light burned plank production technology in the near future.

They also produce a variety of sculptures vividly representing even fine wrinkles by using the property of light burned magnesia which is elastic and so can be moulded as one wishes.

The province makes more than 50 kinds of light burned magnesia products including wardrobe, chest of quilts, TV table, computer desk, dining table, flowerpot, door, table tennis table, seats of stadium, greenboard, various lockers, chessboard and koni board.

Among them table tennis table won the top prize at the last exhibition and was registered as a national green fitting.

"It is said that a light burned magnesia product is as good as placing five flowerpots at home. So I bought a large flowerpot and planted an ornamental tree there. Mysteriously, my house is always filled with fresh air and there is no other smell. So we are going to replace the front and other doors with light burned magnesia ones," said Choe Song Il in Sariwon, North Hwanghae Province.

Many people visit the province to learn light burned magnesia utility technology.

By Choe Kwang Jin PT

INAUGURATION

Fish restaurant built on the river banks

The Pyongyang Taedonggang Fish Restaurant has been built in a modern style on the picturesque banks of the River Taedong in Pyongyang and started operation.

Designed in the form of a floating boat, the three-storey building has indoor ponds teeming with sturgeon, Ryongjong fish, salmon, rainbow trout and other delicious fishes, shellfish and terrapins and an angling site on the first floor.

On the second and third floors there are various forms of dining rooms, including a dining hall, dining room for families and traditional dish and sushi rooms,

and counters selling processed seafood. Fresh fish can be caught and cooked according to the order of visitors.

The opening ceremony was attended by officials concerned, service personnel who took part in the construction, other builders and employees of the restaurant.

Army General Kim Su Gil, director of the General Political Bureau of the Korean People's Army, made an opening speech.

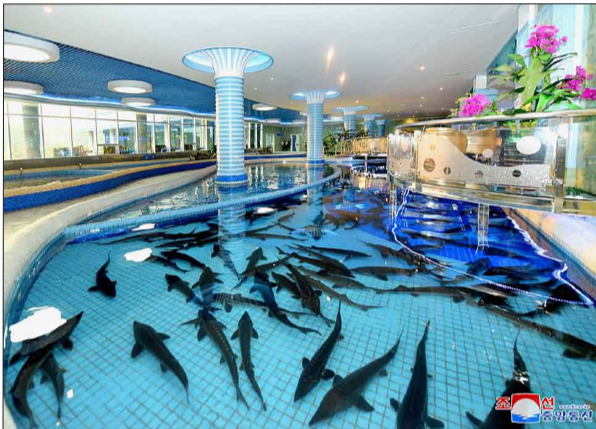
After the ceremony, the restaurant began its service.

By Yun Kyong Il PT



People are so excited to see big sturgeons swimming in the indoor pond.

PHOTOS BY KCNA



The indoor pond teems with sturgeon.



Various seafoods are kept in the indoor ponds.



The dining rooms for families.



The dining hall.



A nocturnal view of the Pyongyang Taedonggang Fish Restaurant.

R&D

Earthworm used in developing plant physiology activator

Plants are a source of oxygen that all organisms need to survive in the earth. If there is no plant, it is said that oxygen will disappear on the globe after 500 years.

What is important in growing plants that are indispensable in human life is to provide them with nitrogen, phosphorous, potassium and other essential nutrients and properly regulate the soil substrate and the proliferation of useful microorganisms.

Today, research projects are conducted briskly around the world to develop organic

fertilizer, natural physiological activator, biopesticide and germicide which prove effective without destroying the ecosystem of soil and having negative effects on human health.

Kim Il Sung University has recently developed an earthworm plant physiology activator.

The product is a natural organic activator made by employing modern biotechnology and the emission control technology. A kind of natural plant physiology activator, it completely prevents the destruction of ecological

environment, has high effectiveness and is convenient to use.

It contains macroelements and microelements including nitrogen (4.02%), phosphorus (2.41%), potassium (1.76%) and magnesium (0.82%), different antibiotic peptides and vitamins (B group, C, E and others), such useful microorganisms as plant hormone which is essential for the growth of roots and plants, and humic acid (above 8.1%).

It promotes the proliferation of useful microorganisms around the roots of plants and ensures the rate of rooting of

saplings 100 percent in the stage of nursing as it has great ability to restrain bacteria and blight detrimental to plants.

It also enhances the resistance of plants to diseases without using insecticides and bactericides that negatively affect human body. Moreover, the interaction of useful components helps increase the growth of saplings and flowers more than two times, strengthen stem, make flowers bigger (above 1.5 times), and improve ornamental value by increasing the chromaticity of leaves.

Besides, it makes it possible to increase the yield of fruit vegetables and fruits in

greenhouses and families and to improve their quality markedly.

It has a wide application. It can be applied to saplings in the nursing stage, ornamental flowering plants, flowering trees, fruit vegetables, fruit trees and turf.

Its development technology was awarded a national patent.

By Jong Sun Bok PT



Earthworm plant physiology activator developed by Kim Il Sung University.

EDUCATION

College trains able personnel in tourism

Pyongyang Tourism College plays its part in training tourism personnel.

The college provides courses on tourism guidance, tourism management and online education, plus a graduate course.

Students are taught to greet tourists at airports and railway stations, guide them through tourist sites and

send them off.

Various teaching methods are applied to help them build their capacity by ensuring all the processes and occasions are closely linked to guiding practice.

Every week students get together to compete in imitating the cast in foreign films, introducing sites,

conversing under different situations and presenting compositions, a process which enables them to improve their presentation skills. They can also have hands-on experience of guiding service as they take part in the April Spring Friendship Art Festival, the Mangyongdae Prize International Marathon and other events and guide tourists by themselves during the peak seasons.

The tourism management course consists of management, development, information and advertisement. Students are to learn

business management, informatization, development of tourist resources and sites, tourist environment and advertisement. They can also apprentice in management.

The college conducts research into the current trend in tourism and relevant documents on a regular basis and develops education support programs, especially for guides. Online course is scheduled to start in September.

It also pushes exchange projects with international organizations and foreign partners.

For the past four years professors from Britain, Canada, Belgium, Russia and other countries have been invited to teach at the college, while its lecturers have attended courses, practices and tours sponsored by universities in China, Russia and Mongolia.

The college hopes to play a role as the country's powerhouse in terms of tourism personnel, information and science.



KIM CHOL / THE PYONGYANG TIMES

Students learn a range of knowledge about tourism.

By Jong Hwa Sun PT

COOKERY

Key player in developing Korean cuisine

The Cooks Association of Korea will celebrate its 30th anniversary on August 6.

Over the past three decades the association has provided technical guidance to local cookery, making a great contribution to developing the country's culinary art.

"To find out and develop all the traditional national cuisines created by the ancestors is of great significance in enriching the people's dietary life and implanting national pride, self-esteem and patriotism in the minds of people," says Han Yong Hun, chairman of the Central Committee of the association.

The association pays particular attention to organizing effective cooking festival, workshop, contest and show.

It holds the Day of the Sun cooking festival, the Day of the Shining Star culinary skill contest and the sugar and cake sculpture show as annual events and frequently hosts various cooking competitions, shows and exhibitions exclusively with noodles, *makkolli* (crude liquor) and dishes made of potato, maize and hard-finned sandfish.

In the course of it new national dishes have been

created and culinary skills and experience widely shared, bringing about a marked improvement in the overall food culture of the country.

The association also intensifies technical guidance to provinces so that they could focus on developing their specialties.

It sent its officials down to the Pegaebong Noodle House, Hoeryong Restaurant, Songdowon International Children's Camp, Pyongyang Baby Home, Pyongyang Orphanage and other units as part of its programme for improving the culinary

skills of cooks there so that they could be role models in improving culinary skills and the level of food culture as a whole.

The association holds technical workshops on cookery regularly to help its members keep abreast of the times and accordingly raise the quality of foods and the level of customer service while enhancing the functions and

role of the nonpermanent organizations and members of the cooks associations at all levels to increase the ranks of master cooks.

Intensive training courses were given recently on the method of preparing dishes with *tanbaekcho* (protein-rich grass) and chives, differences between meat boiled down in soy and pickles, medicinal values of vinegared rice rolled in laver, or sushi, and vinegared drinks, methods of preparing mustards, meat stock and garnishing for noodles and methods of service of waiters and waitresses.

The association has so

far published many books including reference books to introduce traditional and modern Korean foods, develop culinary skills and improve food culture, including *Encyclopedia of Korean Foods* in 10 volumes, *Secret of Food Processing*, *Commonsense of Dietary Life for Health*, *Folk Foods in Four Seasons* and *Local Specialities*. It also issues a journal, *Korean Foods*, and DVD videos related to cookery.

It joined the international federation of cooks in April 1989 and presented a cake to the cooking contest held in Germany in October 1992 to win a gold medal.

It works hard to carry forward the excellent traditions of national foods and develop more favourite foods of the Korean people.

By Pang Un Ju PT



BY COURTESY OF COOKS ASSOCIATION OF KOREA

A member of the Cooks Association of Korea (third from right) teaches cooks how to preserve the original taste of national food.

TECHNOLOGY

Making of ultra-activated water available

Water, which can be claimed to be the origin of all things on the earth, is an invaluable source which is indispensable to all life activities and economic development.

Human interest in water, a benefit of nature, was not so intense in the past. However, the research into water has become one of the priority projects worldwide since it was known that water would be able to have a special function when it passes through a certain treatment process.

With the research into water gaining speed in the DPRK, various processed water products, namely magnetized, ionized, oxidized, reduced and hydrogen water, as well as the water processed in the electromagnetic field, and their production technologies are seen in large numbers at the annual national sci-tech festival and the national exhibition of inventions and new technologies.

Among them, the ultra-activated water maker newly developed by the energy basic research institute of the University of Sciences is most popular.

Researchers say that smaller molecule activated water ranks first among the processed water products.

As research into water switched from the quality-centred one to that based on the degree of association, many people know that smaller molecule water, whose degree of association is small, is good for human body. Since its degree of association is smaller than that of ordinary water, the smaller molecule water activates the metabolism of human body as it penetrates easily into cell membranes.

But researchers take the view that not all water with small degree of association is good. They assert that even the smaller molecule water whose degree of association is 6 may or may not have good influence on living organisms according to the structure of water molecule mass.

In the course of deepening theoretical research into the structural conversion of water, they developed an activated water maker that processes water by a new method quite different from the previous electrochemical process.

They succeeded in making the natural smaller molecule activated water which promotes the making of water smaller molecule and activation of water by the naturally mechanical motion without applying any electrolysis and chemical substance to water.

It is the fine air bubble generating technology based on a new highly intensive vortex cavity which was developed by applying the natural water-spout generating principle. When the water producer forms a powerful micro water-spout, water takes powerful energy to create the metastable state, and this water maintains its features despite the passage of a long time.

For its stronger activity than ordinary smaller molecule water, good solubility, permeability and dispersibility, the ultra-activated water is chosen as the best drinking water. It can be used as the growth promoter of plants and the catalyst for the chemical industry, and helps raise the actual extraction rate in concentration and improve the grade of concentrated ores.

"We have confirmed through basic experiments that the ultra-activated water has remarkable treatment effect in the medical sector. It has distinct anti-oxidation effect on noxious substances and controls enterocinesia," said chief developer Pak Kwang Il, section chief of the institute.

The patented product was highly appreciated at the 32nd national sci-tech festival last year.

By Chae Hyang Ok PT

Respect for Kim Jong Un grows in s. Korean public

Sympathy with the north has run higher than ever before among the south Korean public since the historic Panmunjom inter-Korean summit.

Voice of admiration for Supreme Leader Kim Jong Un has been raised by them as they saw with their own eyes his personality traits as a great man through the Panmunjom summit.

South Korean media and experts admire him, saying he succeeded in making the summit an epoch-making event in a day with his distinguished diplomatic art beyond expectation, including exceptional and cordial remarks, bold and free bearing, quick wits and sense of humour.

They are unanimously praising him for unfolding a “historically impressive scene” by putting forward the exceptional proposal for going over to the north at the first meeting with the south Korean president and opening a bright prospect for improving inter-Korean relations and achieving peace on the Korean peninsula.

In particular, they hardly control surging excitement, arguing that he gave a hope that fear of war and inter-Korean confrontation would vanish by setting the time of declaration of the end of war for the first time in history within this year, solemnly declaring to the 80

million compatriots and the whole world that there will be no war on the Korean peninsula and a new era of peace has opened and reaffirming the non-aggression pact.

Buzzwords symbolizing the Panmunjom summit have been coined and widely spread including “manner of walking of Paektu bloodline”, “Mallima reunification speed”, “era of peace”, “cold noodles diplomacy”, “flash crossing to the north” and “stroll dialogue”.

“Manner of walking of Paektu bloodline” refers to the way of his walking with long strides swinging his arms full of confidence as he crossed the demarcation line at Panmunjom and made his way towards the venue of the summit meeting, while the “Mallima reunification speed” is what he said as he called for regarding the Mallima speed campaign as the “speed of reunification”.

“Era of peace” symbolizes inter-Korean relations as the Supreme Leader mentioned “peace” over a dozen times from the entry in the visitors’ book to the Panmunjom Declaration and speech at the news conference after the signing of the declaration.

“Cold noodles diplomacy” was coined as Pyongyang cold noodles were ranked first in the search in Twitter account

after the Supreme Leader talked about the noodles at the summit meeting, and “stroll dialogue” refers to the meaningful and impressive scene of the two leaders who strolled along to a signpost of the Military Demarcation Line and had an in-depth discussion.

According to an opinion poll conducted in south Korea, the number of respondents who said “I like Chairman Kim Jong Un” has grown five times more than last year, and especially it has come into vogue to learn after the Supreme Leader among young people in their twenties and thirties.

Meanwhile, south Korean progressive movement organizations and wide-ranging civil society organizations are giving wide publicity to the reality in the north by inviting to lectures and seminars personages who had visited Pyongyang in the past, saying it is hard to understand the north from a distorted point of view. The literary and film world also widely disseminate books and films introducing the north.

At the same time a colourful programme of events have taken place including the learning of north Korean songs and tasting of north Korean foods, adding flames to the burning pro-north reunification zeal.

By Kim Rye Yong PT

JAPAN

It's shameful to talk about 'abduction'

The Japanese authorities are making a persistent fuss about the “issue of abduction of Japanese” these days when a positive development is being made in the Korean peninsula situation.

As far as the “abduction issue” is concerned, it was completely resolved through the Pyongyang visit by the then Japanese prime minister in 2002 and the consequent publication of the historic DPRK-Japan Pyongyang Declaration.

In fact, Japan has no face and qualification to find fault with the DPRK over “abduction”.

This war criminal state committed unheard-of abduction crimes against the Korean people, but it still refuses to admit and apologize for that.

In the previous century it occupied Korea militarily to enforce colonial rule for over 40 years and forcibly took away lots of Koreans to the battlefields of war of aggression

and sites of slave labour.

Particularly, it abducted 200 000 Korean women as sexual slaves for its troops, and this most heinous unethical crime unprecedented in the world history of war is now the butt of denunciation from the international community.

The base Japanese politicians who had successively used sex as an expedient to get out of ruling crisis devised the grotesque “comfort women” scheme in an attempt to whet the fighting morale of their soldiers in battlefields and, accordingly, women of different countries fell victim to it.

And they regarded Korea as an appropriate place for taking away such women as it was their colony and the scheme accorded with their policy of perpetuating colonial rule over Korea and exterminating the nation.

Thus, a royal ordinance on collecting “comfort women” was proclaimed and government

and military power was invoked for the wholesale abduction of Korean women.

This notwithstanding, the Japanese authorities employ all tricks to deny the crime, while insulting the victims as “prostitutes”. And they are trying to gloss over the grave crime by giving some money to survivors in the name of a civilian fund.

Their approach towards the sexual slavery issue is really astounding.

Why then does Japan clamour about the “abduction issue” at the time when the Korean peninsula situation is improving?

This is aimed at eliciting sympathy from other countries and thereby prying into the Korean peninsula affairs as it has been sidelined from the international political stage over the issue, while persisting in its anachronistic anti-DPRK policy.

If Japan persists in tricks, it will incur greater wrath of the Korean people and stronger condemnation of the world. It had better feel shame for the heinous crimes, rather than talking about the already settled “abduction issue”.

By Song Jong Ho PT

COMMENT

Obstacle to new journey of inter-Korean reconciliation

The inter-Korean relationship has opened up a new chapter in history and is sailing towards improvement and development in the fair wind of peace, prosperity, reconciliation and unity which has been raised by the adoption of the historic Panmunjom Declaration.

The Korean peninsula is bustling with multichannel activities, but close scrutiny reveals that they are only gaudy, not substantial.

What all the nationals demand are a complete turnaround, not partial change, in north-south relations and permanent reconciliation and peace, not temporary avoidance of confrontation and war danger.

But the south Korean authorities persist in the “promotion of improved relations based on the progress of denuclearization”.

A few steps taken by them after the publication of the Panmunjom Declaration suffice to prove this.

As they deal with inter-Korean relations from the perspective of the May 24 anti-north sanctions and the UN’s sanctions, they fuss about getting approval from overseas for the matter of linking the military communications line in the west coastal area and fail to decide themselves on bringing in a few kilowatts capacity electric motor needed for the construction project of the joint liaison office in the Kaesong Industrial Park.

The same is the case with cooperation projects for relinking and upgrading railways and roads.

These are a pressing issue for the south, but the authorities only intend to do the “things that require little money” such as “joint inspection”, “joint investigation” and “joint research” and idle away the time with unproductive meetings.

Therefore, the north side pressed the south side to translate plans into practice as actions speak louder than words, then the latter only complained of failure of “creation of conditions”.

The “conditions” might mean the lifting of anti-DPRK sanctions by the US and the UN and, in other words, the south side means that it will take practical action when the north is denuclearized.

What should be pointed out is that the anti-north sanctions are the noose that the south Korean authorities have put around their neck. As to the May 24 sanctions measures alone, they are nothing more than an absurd confrontation-oriented step the Lee Myung

Bak clan took by fabricating the *Cheonan* warship sinking in a bid to slander the north and get out of their ruling crisis.

The current ruling forces in the south talked much about the injustice of the measures taken by the conservative rulers and were indignant more than any others at the arbitrary turning down of the issue of resumption of the industrial park by Park Geun Hye. But why do they shackle inter-Korean relations to the chain of anti-north sanctions, not content with binding themselves with the fetters?

This is because they subordinate the nation and north-south relations to outside forces and alliance with them. That is why they opt for the easy and even path instead of the difficult way to save the situation and are engrossed in advertising their achievements through the creation of atmosphere.

Moreover, the industrial park was not closed owing to the UN’s sanction.

Park Geun Hye decided for herself to close it without any deliberation with anyone, far from obtaining the approval of the national assembly.

If they care even a bit about the desire of all the fellow countrymen for peace, prosperity and reunification of the Korean peninsula, the south Korean authorities should take a sincere approach to the implementation of the Panmunjom Declaration. Nothing in this world can be trusted and relied upon, except your own strength, your own nation and your sincere fellow countrymen.

The seriousness of the situation is that the south Korean authorities’ excuse about the “creation of conditions” is developing into the reckless action of enforcement of anti-north sanctions.

They even argue for the “regulation of speed” in the improvement of inter-Korean ties to keep pace with outsiders who assert that “only wholesale sanctions and pressure make it possible to attain the goal of denuclearization of north Korea”. If they give precedence to outside forces over the nation, they had better live on in a slovenly way while channelling efforts into “strengthening alliance” with them, instead of harping on improved ties they are not interested in.

It is high time to approach inter-Korean relations with a new way of thinking and fresh viewpoint by getting rid of old anachronistic attitude.

Kim Yon I

SOCCER

Premier soccer league gets fiercer



HAM YONG SOK / THE PYONGYANG TIMES

A scene from the football match between Wolmido and Sonbong.

Unexpected results are exciting the spectators at the ongoing 2017-2018 DPRK premier league soccer tournament.

The result of the match between Ryomyong and Pyongyang on July 30 was also so unexpected that it is still on everyone's lips.

As the former was second in total rankings with 11 wins and 5 draws in 16 matches and the latter was seven teams behind, supporters of both teams knew what would happen.

But contrary to their predictions, Ryomyong lost to Pyongyang 1-2.

"It is true that nimble dribbling and thrilling scoring scenes of players are charms of football. But if the results of matches remain unchanged, fans will lose interest in it," said So Chol, football enthusiast living in Sosong District, Pyongyang.

By Ri Sung Ik PT

TAEKWON-DO

The girl achieves her dream



HAM YONG SOK / THE PYONGYANG TIMES

Kim Su Ryon (middle) with her classmates.

Kim Su Ryon called by locals as a "Taekwon-Do girl" did not take the royal road to win the quadruple world championship.

Born in Pyoksong County, South Hwanghae Province, she spent her childhood in the dance hobby group at the Haeju Schoolchildren's Hall.

When she suddenly took up Taekwon-Do at the age of 16, many shook their heads since sports are a difficult job to be crowned with success and no one could vouch for her success.

Looking back upon those days, her mother said: There was much gossip about her decision, describing it as a "dramatic change" and "caprice", but I could not dissuade my daughter as she was determined to become an athlete who hoists the national flag in international contests, rather than a dancer.

Su Ryon was a fiery enthusiast.

When the girls in her age group spent a good time of rest in fine attire, she spent days with difficult physical and endurance training.

Her painstaking efforts bore fruit.

In a matter of a little over two years, she acquired dozens of patterns, main movements of the martial art, major art of fist fight in sparring and self-defence

routine, and special techniques. She won the Jongilbong Prize national juvenile Taekwon-Do championships, the Mangyongdae Prize national martial arts championships in celebration of the Day of the Sun and other domestic games on several occasions, drawing the attention of experts as a promising martial artist, and acquitted herself well in Taekwon-Do sparring at the national Taekwon-Do all-star tournament for Jongsung Cup and the People's Games.

She made her international debut at the 9th junior Taekwon-Do world championships in 2010.

In the championships she snatched four gold medals by coming first at the women's 70kg category individual sparring, team pattern, team sparring and team forte. She claimed the title of the women's 75kg individual sparring at the 17th Taekwon-Do world championships the following year, contributing to leading her team to take the first place in the total rankings.

She went on to win the title in the same category event at the 18th, 19th and 20th world championships in succession, emerging as the first four-time Taekwon-Do world champion.

By Jong Tang Song PT

Songdownon best shelter from sultry heat

This summer is exceptionally hot with mercury hovering over 35°C for weeks.

Lots of people take shelter from sweltering heat at water parks, swimming pools and bathing resorts.

The Songdownon bathing resort in Wonsan, Kangwon Province, is also crowded with those who are eager to cool their bodies in refreshing seawater.

The bathing ground looks like a picture as the crystal clear water of the East Sea of Korea blends in well with the white sandy beach along the seashore and evergreen pine groves around.

A cool breeze from the sea and the fresh, subtle pine fragrance contribute to cooling down their heated bodies.

Youngsters jump into the sea one after another from the diving tower standing in the sea.

Many others drink refreshing beverages under the gamps on the beach.

By Pak Kwang Hun PT



PAK CHANG BOK / THE PYONGYANG TIMES