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Kim Jong Un inspects reconstructed trolley bus factory

Kim Jong Un, chairman of the Workers' Party of Korea, chairman of the DPRK State Affairs Commission and supreme commander of the Korean People's Army, provided on-site guidance to the modernized Pyongyang Trolley Bus Factory.

He was accompanied by vice-chairman O Su Yong and deputy department director Jo Yong Won of the WPK Central Committee.

Having an overall view of the factory with a broad smile, he said all the structures were neat and smart, environment was clean and he could see that they made painstaking efforts.

He made the rounds of the halls dedicated to education with revolutionary relics and the history of the factory.

Referring to the fact that the factory had been established according to President Kim Il Sung's policy of introducing trolley bus into the capital city and Chairman Kim Jong Il had had training for production at the factory during his days at Namsan Senior Middle School, he said the factory has followed a proud course of development under the wise leadership and meticulous care of the great leaders.

He looked round different places of the factory including processing, motor, bus assembly and overhaul workshops to familiarize himself with the modernization and production.

He said an integrated manufacturing system has been established properly so that the maximum profit could be ensured in production and business activities by introducing cutting-edge technology in line with the requirements



of the age of knowledge economy.

It is also an achievement to boast about that the factory has applied remote control to the bus assembly line, automated such processes as heat processing, electrolytic deposition and impregnation and drying for motor and the power supply system and introduced the power-saving core-type induction furnace and far infrared heating device to save manpower and electric power more than before.

The Supreme Leader saw a new model of trolley buses manufactured

by the factory.

He examined the performance and the quality of fittings on the buses and earnestly said how glad the great leaders might have been if they had seen the bright faces of the citizens of the capital who travel to and from work on the new model of trolley buses.

For the factory to manufacture better and more wonderful trolley buses in larger numbers and enable the citizens to use them is the work to give a facelift to the capital city and provide the people with civilized

living conditions and at the same time an important undertaking to defend the policy of the WPK that takes it as its mission to serve the people and sustain the original features of people-centred socialism of our style, he noted.

He set the target of the second-stage modernization project to be carried out by the factory and took necessary measures, before posing for a photograph with the officials and workers of the factory.

By PT staff reporter



Steel production goes up at the Hwanghae Iron and Steel Complex.

KCNA

ECONOMY

Industrial sectors exceed monthly production targets

Different sectors of the national economy have overfulfilled their economic plans for January.

The electric power industry is generating more electric power.

The Chongchongang Thermal Power Station gave precedence to fuel supply and directed a great deal of efforts to maintaining normal operation of generating equipment to produce more electric power than planned every day from the beginning of the new year. The Wonsan Youth, Hochongang, Wiwon,

Suphung and many other hydropower stations managed water scientifically in line with the winter conditions and checked and repaired hydraulic structures and generating facilities responsibly to hit the electric power production target for January ahead of schedule.

Notable achievements have been made in mineral production and the modernization of mining facilities in the mining industry.

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KPA'S 70TH ANNIVERSARY

Outstanding performance in army-building goes down in history

February 8 1948 is the historic day when the birth of the Korean People's Army was proclaimed.

Although Korea was liberated from 40-odd-year-long Japanese military rule on August 15 1945, it was a tough task to build a modern regular army armed with services, arms and corps at the time as everything was devastated and the coffers of the country were empty due to harsh colonial rule.

President Kim Il Sung, however, gave top priority to the building of regular armed forces with the firm faith that powerful arms can only guarantee the dignity of an independent and sovereign state and success in the building of new society.

In **On Building the Party, State and Armed Forces in the Liberated Homeland**, a speech he delivered to military and political cadres on August 20 1945, he set the founding of a powerful regular army as the essential prerequisite for the building of an independent, sovereign state and one of the three tasks for building a new Korea and put forward the policy of forming a revolutionary army with the sons and daughters of workers, peasants and other working people, around the anti-Japanese war veterans.

Cadres were needed everywhere after liberation including for founding the Party and establishing the government, but he dispatched most of the veterans who had been trained politically and militarily during the arduous anti-Japanese revolutionary struggle to build the regular army and made sure that they played a leading role in that effort.

The key issue in the building of the regular army of the nation was the securing of commanding officers who would constitute the backbone in the building of the modern armed forces.



President Kim Il Sung on the reviewing stand in the parade for celebrating the founding of the Korean People's Army held on February 8 1948.

To this end, he decided to establish a mother base for training military and political cadres before anything else. In November 1945 he chose the site for the first school of such cadres, named it "Pyongyang Institute" and specified the tasks to be tackled in building the school and the orientation of education there.

In July the following year, he ensured that Central Security Officers School was set up to train military cadres for all arms and corps, such as infantry, artillery, sapper and communications, by separating the function of training military officers from the Pyongyang Institute.

He took measures to set up an aviation course at the institute and Maritime Security Officers School in order to train air force and naval officers in a farsighted way.

He also saw to it that security officers training centres were established as the core units of the regular armed forces early in September 1946, with the main force of the Korean People's Revolutionary Army he had built up in the flames of the anti-Japanese war and many military and political cadres who were trained at the institute as the hard core and with the security corps and border and railway guards which were formed across the north of Korea soon after liberation as the parent body.

He made sure that the Maritime Security Corps tasked with guard duty on the east and west coasts was built and the flying corps of the institute was formed with those who finished the aviation course at the institute and aeronautical engineers as well.

He pushed ahead with

preparations for forming major branches of arms including artillery, sapper, armour and communications as well as branches of services, and proceeded to strengthen the already formed parent units of services and arms politically and militarily so as to make them play the key role in national defence.

With the determination to build a self-reliant defence industry so as to manufacture military equipment needed for the building of the regular army by domestic efforts, he covered a weedy, rugged path in Phyongchon-ri in Pyongyang in early October 1945 and unfolded the far-reaching plan for establishing the armaments industry.

Under a foresighted plan, he strove to equip soldiers with features of regulars by ensuring that military regulations and

manuals, colours and the soldiers' oath were instituted and enforced, uniforms were supplied and they were armed with modern weapons and other combat equipment. He also took the step to form the national defence bureau in the People's Committee of North Korea so as to make it provide military and political guidance over the revolutionary armed forces.

On the basis of thoroughgoing preparations, he proclaimed on February 8 1948 that the Korean People's Revolutionary Army was developed into the regular armed forces of Korean People's Army.

That day, a military parade of the KPA was held in Pyongyang with splendour.

At the review of the army he delivered speech **On the Occasion of the Founding of the Korean People's Army**.

We today proclaim the founding of the Korean People's Army, the first regular armed forces belonging to the people in the history of Korea, he said. And he called on all the Korean people to march vigorously forward for the establishment of a Democratic People's Republic of Korea and for new victories with an unshakable faith in victory and ever greater national pride.

It was a miracle unprecedented in history that the Koreans founded their regular revolutionary armed forces in a matter of two and half years after liberation without any experience and material foundation.

The development of the KPRA into the regular armed forces was the brilliant victory of his Juche-oriented idea and line of building a regular army and his wise leadership.

By Yun Kyong II PT



The parade for celebrating the founding of the Korean People's Army took place on February 8 1948.

Soldiers of the Korean People's Army line up for a military parade in October 2015.



KPA'S 70TH ANNIVERSARY

Korean People's Army carries on tradition of victory

All the Korean people and service personnel are looking back with deep emotion on the history of victory of the Korean People's Army to mark its 70th founding anniversary.

After Korea's liberation, President Kim Il Sung accomplished the cause of building regular armed forces on the basis of the brilliant anti-Japanese tradition and led the fierce Fatherland Liberation War to victory, thus inflicting an ignominious defeat on the US imperialists that boasted of being "the strongest" in the world and defending the freedom and independence of the country with honour.

The proud tradition of the heroic KPA which was created in the days of performing military miracles in the 20th century which would go down in the history of the anti-imperialist revolutionary wars is the tradition of victory of its service members who smashed every move of formidable enemies by relying on adroit Korean-style tactics and strategy and local forces with politico-ideological, spiritual and moral superiority as the powerful weapon, and it is the most precious national asset that cannot be bartered for anything.

After embarking on the road of the Songun revolutionary leadership in his early days with the firm will to accomplish with arms the cause of the Juche revolution pioneered by dint of arms, Chairman Kim Jong Il put forward the modelling of the whole army on Kimilsungism as the general objective of army building

and energetically led the efforts so as to develop the People's Army into an army of the leader and the Workers' Party of Korea.

In the grimmest period of the Korean revolution he administered Songun politics in all fields to train the KPA into an elite revolutionary army fully charged with the spirit of defending the leader unto death and the spirit of acting as human bullets and bombs and to consolidate the defence industry into a revolutionary industry powerful enough to manufacture any sophisticated military equipment as it wants.

Thanks to his over half-a-century-long energetic leadership, the KPA could successfully carry forward and develop the history and tradition of victory of the powerful revolutionary army while giving full play to its might as the pillar of the revolution that supports the cause of the Party and leader in the van.

Today, it has greeted the most glorious era in achieving the army-building cause of Juche as it is led by Supreme Leader Kim Jong Un, another peerlessly great man born of Mt Paektu.

The Supreme Leader leads the efforts to develop the People's Army into invincible armed forces armed with the military strategy and tactics of the President and the Chairman, heroic fighting spirit and perfect fighting efficiency as required by the fundamental interests of the revolutionary army and the acute situation on the brink of battle and to build up the military technical



Mechanized units march past demonstrating the KPA's might.

power of the army.

The KPA has reached a higher phase today in terms of its politico-ideological might and military technique.

The country's strategic position and the KPA's military might completely differ from those in the period of the Korean war in the 1950s when the KPA service members had to fight with rifles against the formidable enemy that wielded atomic bombs and the country has now matchless strength with which to deal with any forms of war the US wants.

The heroic KPA officers and men are fully demonstrating their might as a powerful army that can emerge victorious in any battle in the sky and sea and on the ground while creating a highly charged atmosphere of training. The KPA has developed into an invincible

army equipped with the strongest nuclear deterrent.

The People's Army is exalting its honour as a powerful shock force which translates the Party's plan to build a powerful socialist country into brilliant reality and as the performer of feats that knows no impossibility.

The long history of socialist construction of Juche Korea is closely associated with the heroic feats performed by the service personnel who have regarded the Party's plan and decision as the supreme order and gone through fire and water to carry them out in the van.

As all the service members have become fortress and shields in many folds around the Party Central Committee and thrown in their lot with it, the Party's unified command system has firmly been established in the whole army. This is the special

quality and proud looks peculiar to the powerful revolutionary army of Kim Jong Un no other armies can possess and imitate.

The 70-year history of the heroic KPA taught the invariable truth that only a powerful revolutionary army which is trained and led by the great leader and great Party can defend the history and tradition of victory and achieve final victory.

The KPA will fully demonstrate its dignity and might as an army of the great leaders and an invincible revolutionary army of the Supreme Leader and steadily carry on the tradition of victory as it holds Kim Jong Un, the supreme incarnation of loyalty to the great leaders and illustrious commander born of heaven, in high esteem at its top post.

By Ri Sung Ik PT



KPA soldiers shout hurrah after defeating the US invaders in the Fatherland Liberation War.



KPA's ICBM launch vehicles.



Helping the people is a fine trait of the Korean People's Army. (above)
KPA's artillerymen before starting a firing drill. (left)

LEADING ARTICLE

Self-reliance, dynamics of grand Mallima advance

All the people who have turned out in the new year's grand march to carry out the important tasks set forth by Supreme Leader Kim Jong Un in his New Year Address are stoking up the flames of the campaign to create the Mallima speed so as to win fresh victories on all fronts of building a powerful socialist nation in this significant year.

Today's grand Mallima advance, which is aimed at continuously achieving great victories and demonstrating the dignity and power of the country while outstripping others in one breath, necessitates a powerful motive force.

This force is just the revolutionary spirit of self-reliance.

Self-reliance in the DPRK is the path to be taken by the self-supporting economy for all ages.

The Sungni-58 lorry and Chollima tractor the Korean workers made with bare hands on the debris of war, the first Pulguni electric locomotive and CNC machine tools which

came into being in the period of the Arduous March and forced march when the country experienced unprecedented trials are the creations showcasing the tradition of self-reliance and feats of labour.

The revolutionary spirit of self-reliance is the ideological and spiritual source of new miracles and feats in the present campaign to create the Mallima speed.

The present campaign is a general offensive, life-and-death battle, to attain new goals of building a sci-tech power, economic giant and civilized power and to consolidate the might of political and military power a thousandfold, and a gigantic war of creation to bring about all-round efflorescence and radical development on all fronts of building a socialist power while smashing serious challenges of the imperialist reactionaries.

The Workers' Party of Korea unfolded a grand blueprint for the building of a powerful socialist country at its Seventh

Congress, before kindling the flames of the campaign to create the Mallima speed across the country in a bid to achieve high goals and fulfil huge tasks in the shortest possible period.

The campaign developed into a nationwide movement in a short time and is displaying its great vitality while making miraculous achievements beyond imagination even in the unprecedentedly worst conditions.

Last year alone, Ryomyong Street epitomizing socialist civilization was built in the face of hostile forces' worst sanctions and blockade threatening the locals' survival, a large-scale livestock farming base set up in the Sepho area, satchels and quilts mass-produced in the light industry sector, and notable achievements were made in the production of machinery and equipment including new types of lorry and tractor in the machine-building industry sector. In the vigorous struggle to create the Mallima speed, new model units came into being in

succession and lots of industrial establishments carried out their annual economic plans ahead of schedule, exceeding the peak year level in production. These are the priceless fruition brought about by the heroic struggle of the locals who have given the fullest play to the spiritual strength of self-reliance and self-development by only believing in their strength.

This year, the Koreans are facing uphill tasks, but they are full of confidence and optimism as they have a powerful treasured sword of creation and struggle.

The whole of this land where the people live and work is brimming with the belief in their own strength and the spirit of devotedly carrying out Party policies—from the grand socialist construction sites seething with the activities to create the Mallima speed to such industrial establishments as coal mines, scientific research bases and remote mountain farms striving to increase production.

As all the service personnel and people take an active part in the grand Mallima advance, firmly determined to win greater victory and make a leap forward by dint of self-reliance, the DPRK which is rushing towards final victory will make faster progress.

By Choe Kwang Jin PT

FROM PAGE 1

The Hyesan Youth Mine opened several stopes in the depth with favourable mining conditions and improved ore transport capacity by forming a circular electric-car line.

The Sangnong Mine boosted production by concentrating efforts on the development of stopes and applying a reasonable blasting method and raised the actual concentration rate by introducing an advanced ore dressing method. The Ranam Coal-mining Machine Complex, Hoeryong Coal-mining Machine Factory and several other factories and enterprises are also making innovations in the production of mining equipment.

The machine-building and light industries have also exceeded the first month production target of the year.

The Taean Heavy Machine Complex improved the processing accuracy and shortened the manufacturing period of custom-built equipment for thermal power stations by introducing new technical innovation plans and rational processing methods into the processing of different component parts. It has now finished the production of custom-built equipment for thermal power stations for January.

The Pyongyang Kim Jong Suk Silk Mill overfulfilled its monthly

plan by 71 percent. The factory employees contrived new jigs and tools needed for processing parts of machinery in the repairs and power-supply system, while turning out more quality quilts and sanitary goods on a constant basis.

The Wonsan Disabled Soldiers' Essential Plastic Goods Factory carried out the monthly production plan by building up the capacity of all production processes 1.6 times including those for injection-moulding and artificial turf production.

Production has also been boosted at the Hwanghae Iron and Steel Complex, Komusan Cement Factory, Pukchang Area Youth Coal-mining Complex and many other industrial establishments throughout the country.

By Chae Hyang Ok PT



The Songdowon General Foodstuff Factory sees a boost in production.

week news

Academy hosts sci-tech festival

The 33rd sci-tech festival of the State Academy of Sciences ran at the academy.

On display were hundreds of pieces of data on the achievements made by scientists, technicians, lecturers and graduate students of the academy and the University of Sciences in the course of conducting scientific research and a technical innovation drive to strengthen the independence and Juche character of the national economy and improve the people's livelihood.

The festival was held, divided into more than ten panels including basic science, automation, information, bioengineering and physical nano. Highly appreciated achievements were those that already proved effective in different economic sectors including "Production of artificial lens based on cutting", "Production process of concentrate manganese relying on low-grade wad", "Modernization of the exciter and speed regulator control system of large-capacity hydroelectric generator" and "System parallel transducer of 100 kW wind turbine".

Farmers' winter vacationing in Kaesong

Farmers' winter vacationing kicked off at the Kaesong City Songaksan Holiday Camp at the foot of picturesque Mt Songak.

The campers include exemplary agricultural workers from Ryongsan, Haeson, Songdo and Samsong cooperative farms who overfulfilled their grain production plans last year.

They do mountaineering on the snow-covered mountain, visit historical and cultural relics and play such sports games as table tennis, volleyball and tug-of-war amid enthusiastic rooting.

At the recreation hall they play *janggi* (Korean chess), *paduk* (go) and *yut* (four-stick game) and rare appetizing dishes are served every day at the smart mess hall.

By Yang Ryon Hui PT

TOURISM

Wonsan-Kalma area ideal as seaside resort

The development of the Wonsan-Kalma coastal tourist zone is a priority project in the DPRK this year.

Seaside resorts are tourist destinations that are found by the coast.

The most suitable places for them are those with conditions favourable for such seaside tourist activities as swimming, sunbathing, angling, yachting, boating, motorboating, surfing and scuba diving in terms of the percentage and duration of sunshine, number of days with average temperature of 18-20°C and with no or weak wind and the condition of seashore.

In the DPRK, many renowned seaside scenic attractions, including Songdowon and Lake Sijung of Kangwon Province, Majon of South Hamgyong Province and Ryongsupho of South Hwanghae Province, turned into coastal tourist centres.

The Wonsan-Kalma area in Kangwon Province is also a very promising seaside resort.

The Kalma Peninsula in the southern part of the Wonsan Bay is an attached island which was formed by the wave-driven accumulation of granitic sand from the Namdae River.

The northern part of the peninsula which stands long from north to south consists in gently rolling hills and the coastline is

By Jong Hwa Sun PT

mostly straight and smooth.

To the north lies the Hodo Peninsula which stretches out from the opposite direction and in between there are Sin, Tac and other islets, serving as a natural breakwater that protects the port of Wonsan.

There is a scenic attraction called Myongsasipri which means a famous sand beach stretching for 4 kilometres in the Kalma Peninsula.

A goldenrain tree rare to be found in the eastern coastal areas of the country stands at the entrance to the beach which is dotted with sweet briars. The red flowers in full bloom along the seaside surrounded by tall pines and clear blue waves of the East Sea form a harmonious whole to present a spectacular beauty.

The construction of the seaside resort in the Wonsan-Kalma area with Kalma airport will help satisfy the demands of local and foreign tourists and provide an ideal place for stopover between different tourist destinations and Wonsan-Mt Kumgang International Tourist Zone.

At present, preparations are being pushed ahead to complete as early as possible the Wonsan-Kalma project which will mark a turning point in raising the country's tourism to the world level.

The Pyongyang Kim Jong Suk Silk Mill overfulfilled its monthly

KCNA

BUSINESS STRATEGY

Attaching importance to talents

The intelligent information institute of the State Academy of Sciences is one of the top ten IT businesses chosen at the 2017 national exhibition of IT achievements last year.

Though it is staffed with only tens of researchers and not so well-known, the institute plays a big part in developing the nation's information technology.

In the last three years alone, it developed and introduced such beneficial programs as online symposium and Q & A service systems, interactive video conference system and distance education system into such leading institutions in the country as the Sci-Tech Complex and Tree Nursery No. 122 of the Korean People's Army. It also built a large-capacity database in the sci-tech learning space of the tree nursery.

In particular, the real-time accessibility of the interactive video conference system is winning growing popularity with application units as it provides thousands of subscribers on a real-time basis with an opportunity to have a video conversation in the same instant.

The secret of success lies in its business strategy of prioritizing talented personnel and cooperative research.

While keeping abreast of the world's IT development on a constant basis, the institute sets practical research projects

and pushes them in a cooperative way with talents as the pivot.

As the IT field can be claimed to be a theatre of time trial between competent development groups, the project leader's role is very important.

So, the institute always arranges a test before launching into every project to appoint the project leader who is well versed in that field, making the leader personally form a team by involving researchers from other laboratories and take charge of the project to the end.

It sparked a fierce capacity-building competition among the researchers, which led to the development of valuable programs. In the course of this, the institute has developed into a capable research unit.

It develops a variety of smart phone game apps on the themes

of the history, customs, tradition and life of the resourceful Korean nation.

The most popular game programs include "Martial art contest" in which the characters of animation film *Boy General* appear, "A cheerful soldier on the cook's duty" based on well-known acrobatic plate revolving stunt and "Korean word puzzle" that can evaluate the user's vocabulary with the help of the embedded Korean words amounting to 230 000.

"Our objective is to lead the world in this field with an innovative view so as to contribute to the economic development of the country and the improvement of the people's livelihood," said director Pak Yong Ryong.

By Jong Hwa Sun PT



A variety of applications are developed at the Intelligent Information Institute of the State Academy of Sciences.

PRODUCTION

Factory works to improve quality of sports goods

The Pyongyang Sports Goods Factory has remarkably improved the quality of its

Taesongsan-brand sporting apparatuses.

The factory that turns out

nearly 50 kinds of sporting apparatuses increased their sub-variety according to uses and serials and improved their quality last year.

It established a modern glue thread reeling process to prevent the change of the globular shape and the loosening of football, basketball, volleyball and water polo ball in the course of their use. It also introduced a method of manufacturing their reinforcing layers with dedicated material, thereby improving their elasticity and increasing their life while saving



Employees at the Pyongyang Sports Goods Factory try to produce high-quality balls.

FOOD SAFETY

Concern given to codex activities

codex activities in the DPRK?

In the DPRK the national codex coordinating committee for state food safety was organized with the academy of health and food sciences as the main body and by comprising related officials in the Ministry of Public Health, State Commission of Quality Management and Ministry of Agriculture in December 2007.

As I know, with worldwide trade in food growing, endemic diseases in one country spread to other countries and it has become a challenge to the world. What do you think about it?

Food trade has become a major contributor to food-induced diseases and socio-economic problems. So standardization organizations conduct vigorous activities to protect public health and smoothly promote food trade by setting international standards on food worldwide. A typical example is the Joint FAO/WHO Codex Alimentarius Commission.

Will you please explain about the joint commission?

In 1962 Joint FAO/WHO Food Standards Programme was drafted as part of the efforts to protect health of consumers and properly promote trade in food between nations by setting international food standards. The joint commission was established as an organization to carry it out.

In 1985 the UN General Assembly adopted resolution 39/248, which specified that the member nations should follow the food standards of the commission as much as possible, acknowledging its standards as a guideline to be relied on in making and implementing the policy for the protection of the health of consumers. To this end, it is important for all countries to set national food standards to suit their specific conditions on the basis of scientific data on their forms of food, styles of dietary life, consumption of food and others, while referring to data on food standards of the commission.

Would you tell me about the

manpower and time.

It developed new glues that boost the adhesive power of synthetic leather so as to ensure the full integration of inner tube, reinforcing layer and synthetic leather while using 30 percent less glues than before.

After soaking the football of the factory for two hours, it gains less than 10 percent of its original weight. And it bounces about 1.5 metres up when it is dropped at the height of two metres. The test values fully conform to the international standards.

The factory also developed more than 110 pieces of sporting apparatuses including gloves, bags, apparel and protective devices.

It has increased its production capacity by reinforcing and improving the data of computer-controlled laser cutter, conveying lines and ball sewing machines. It is working on a research project to develop a table-tennis ball for sports games with a new material at the final stage.

By Choe Kwang Jin PT

MEDICINE

Efficacious traditional medicines produced

Officials and workers under the Koryo medicines production management bureau of the Ministry of Public Health are making innovations in the production of Koryo medicine.

Supreme Leader Kim Jong Un's recent field inspection tour of the Pyongyang Pharmaceutical Factory is a source of encouragement to them who are conducting an increased production drive in hearty response to the militant call of the Workers' Party of Korea to achieve fresh victory on all fronts of building a powerful socialist country by launching a revolutionary general offensive.



Efficacious traditional medicines are mass-produced at the Phyongchon Koryo Medicine Pharmaceutical Factory.

ECO SYSTEM

Wetland protection vital to urban future

February 2 is World Wetland Day.

An international meeting was held from late January 1971 in Ramsar, an Iranian city on the Caspian coast, to protect and ensure the sustainable use of wetlands.

At the meeting the Ramsar convention on the protection of wetlands was adopted on February 2, the day was set as World Wetland Day and the Ramsar Convention Secretariat was established.

On the occasion of the day every year, a variety of activities are conducted to conserve wetland ecosystems in response to the call of the secretariat.

According to information available, the conservation and efficient utilization of wetland resources bring about benefits 160 times as much as economic profits from wetland reclamation.

The DPRK has long conducted proactive activities for the protection and sustainable use of them.

Its laws on environmental protection, nature reserves, rivers and others legally guarantee wetland conservation.

Thanks to their strenuous efforts, the production of Koryo medicines by the management bureau increased 1.3 times over the same period of last year.

The Kanggye Koryo Medicine Pharmaceutical Factory and Kanggye Koryo Medicine Processing Factory overfulfilled their daily production plans by giving precedence to securing raw and other materials by relying on the locally abundant resources of medicinal plants and operating equipment at full capacity. They also produced over a dozen kinds of medicines more such as digestive,

diarrhoea remedies, rowanberry cough syrup and tonics and sent them to workers, scientists and technicians.

The Huichon Koryo Medicine Pharmaceutical Factory exceeds daily production targets by 3 percent and produces new highly efficacious cold remedies to suit winter conditions.

The employees of the Mangyongdae Koryo Medicine Pharmaceutical Factory made a new kind of peeler through a mass technical innovation drive to increase the output of silymarin hepatitis pills 1.2 times while saving much labour.

The Phyongchon, Junggu, Yomju and Tongnim Koryo medicine pharmaceutical factories also increase production by securing enough herbs and exploiting every latent reserve and potential, while promoting sci-tech diffusion to raise technical skills of employees.

The employees of the Sariwon and Yonsan disabled soldiers' Koryo medicine pharmaceutical factories are focusing on the production of popular and reserve medicines.

By Han Ryo Gyong PT

various other events are held for the protection of them.

The DPRK also channels efforts into getting rid of water pollution caused by sewage in cities for their sustainable development.

Steady efforts are made to set up modern sewage treatment facilities in cities including Pyongyang and to ensure their normal operation.

Such undertakings greatly facilitate the protection and sustainable use of wetlands.

It is by no means accidental that lots of foreign experts who inspected the country's wetlands said that the "DPRK's wetlands are the treasure of the whole world".

The theme for this year's World Wetland Day was "Wetlands for a Sustainable Urban Future".

By Song Jong Ho PT

The east and west coasts of the country are home to many endangered and rare species of birds such as white heron with yellow bill, white-naped crane, spoonbill, saunder's gull and knot. Out of over 450 species of birds in the country, 160, or 36 percent, are on the Ramsar list. It is visited by some 700 000 snipes and about a million other water birds in spring and autumn.

Accordingly, the DPRK set different places as migratory bird sanctuaries to ensure the efficient protection and care of them, while directing big efforts to the study of data and research related to the observation of changes in the ecological environment of migratory birds that fly in every spring and autumn and the increase in their number.

It strictly forbids hunting and illegal economic development in wetland reserves and makes sure that the reevaluation and re-inventorying of wetland resources are carried on in an effective manner.

Books on wetlands are published to raise public awareness of them and national workshop and

PROFILE

Product of painstaking efforts

The DPRK Invention Office has recently conferred a certificate of patent on the method of making albendazole clathrate injection.

The medicine is also called a broad-spectrum parasiticide as it produces marked improvement in the treatment of incurable diseases including pulmonary and hepatic distomiasis as well as interstitial parasitosis like cysticercosis, toxocariasis, ascariasis and cestodiasis.

It has been recognized by the academic circles and is winning growing popularity with the users as its treatment effect is almost 100 percent with the very low dosage, a 100th of a pill, and it can halve the period of medical treatment with the previous method.

The medicine was developed by Ri Song (pictured), 38-year-old pharmacist at the dispensary of the South Hamgyong Provincial People's Hospital.

Born into a coal miner's family, Ri had developed an unusual taste for medicine-making from his childhood.

So while working at the Kumya Youth Coal Mine, he studied pharmacology by himself with an untiring zeal. And in 2002 when he was 22 he enrolled at the faculty of pharmacology of Pharmaceutical College of Hamhung University of Chemical Engineering as he desired.

After graduating from the 4-year undergraduate course and postgraduate school with flying colours, he was appointed to the dispensary of the South Hamgyong Provincial People's Hospital. His father Ri Tal Hun was so pleased to see the graduate of a university and postgraduate school in an ordinary coal miner's family that he told his son to work hard to repay the benevolent care of the country by doing a good job.

His father's instruction became the aim of his life and a source of great encouragement to him.

It was not long after he came to the hospital dispensary when he selected the making of albendazole clathrate injection



JONG TANG SONG / THE PYONGYANG TIMES

as his research project.

Once in a lecture of medical science and technology at the hospital he came to know that attaining the solubility of insoluble medicines and improving forms of medicines are an urgent task facing pharmacology and the trend of its development and that even the countries with developed medical science have little progress in this field.

"I will try. No, I must do it. This is my subject of study," he told himself. And he set albendazole with very low solubility as his target of study.

And he read as many reference books as possible including magazines and study papers which introduced latest medical science and technology as well as those on pharmacology.

In the course of this he discovered a supplementary material which could help him achieve the solubility of albendazole as well as the method of making it. After several rounds of tests he succeeded in making the medicine.

But his excitement did not last long.

Clinical experiments showed that it was effective in medical treatment, but patients suffered strong pain and it was inevitable. It meant he failed.

After 10-year-long painstaking efforts he finally found out the supplementary material to satisfy the needs for the minimum amount of raw materials, maximum effect of treatment and convenience of patients. Not long ago, he succeeded in making albendazole clathrate injection by completing the optimal method of making the injection to suit the actual conditions.

Medical workers and patients of the hospital warmly congratulated him on his success, lavishing praise on his strenuous efforts.

"Thank you, but I only hope my brainchild would be helpful, though little, to implementing the country's public health policy and improving medical treatment of patients," he said.



BY COURTESY OF THE NATURE CONSERVATION UNION OF KOREA
Flocks of migratory birds fly into the coastal area of Jungak district of Onchon County, Nampho City.

By Jong Tang Song PT

HUMAN RIGHTS

White paper details human rights violations in US

The Institute of International Studies of the DPRK on January 30 published a white paper on human rights abuses in the US in 2017.

The following are the excerpts:

In the US all national agencies are staffed with representatives of business conglomerates and the working masses are strictly excluded from politics.

As soon as Trump came to power, he appointed billionaires who contributed to his election and their representatives to important positions of the administration. State Secretary Tillerson, Secretary of Commerce Ross, secretaries of Treasury and Defense and others are all billionaires of big business origin. The property of officials above deputy secretaries of the current administration is worth \$14 billion when put together.

The policies the Trump administration officially pursued in the past one year were all unpopular ones only serving a handful of the rich.

In November 2017 the US House of Representatives passed a tax reduction bill whose main points are to lower the corporation profit tax from the previous 35 to 21 percent and abolish or cut some personal income taxes including property inheritance tax.

The problem is that this tax reduction plan exempts the rich families that account for only one percent of the total population from 14 percent of taxation, worth \$300 000 annually, whereas it reduces only 1 percent of taxation, about \$100, annually for the majority of poor families.

Genuine freedom of speech and expression does not exist in the US. Particularly in the past one year of Trump's reign intervention in and repression of the press were intensified more than ever before.

Trump described local media as the "enemy of the public that reports false news", took such extreme measures as to exclude major media outlets from participating in the unofficial news briefings of the White House spokesmen including *The New York Times* and CNN, and tweeted an animation showing him as a pro-wrestler throwing his opponent mercilessly over his shoulder, which would put even gangsters in the shade.

Fascist crackdowns on journalists in 2017 included 12 cases of investigation and seizure and 11 cases of violence against them, and detention of 19 persons of local media and four foreign correspondents.

The deceitfulness of American-style "freedom" and "democracy" finds expression in the growing extreme racial discrimination and

hate campaigns.

In January last year Trump branded foreign immigrants as the "root cause" of crimes and growing unemployment and issued an executive order to prohibit their entry.

In particular, he decided to build a wall along the border with Mexico on the pretext of preventing illegal immigration and ordered to stage a witch-hunt of immigrants in New York, North Carolina and other big cities and a dozen other states in 100 days of his reign, only to detain or banish over 41 300 of them.

In the US the right to work is openly disregarded.

A growing number of people lost their jobs and wandered the streets in 2017. In a week of March alone 241 000 Americans joined an army of the unemployed, 9 000 civil servants were fired from government agencies in May and in September the number of the unemployed increased by 33 000 over the previous month.

Especially the youth unemployment emerged as a serious social problem, with the result that now the unemployment rate of young people under 25 has risen to 7.9 percent, and 31 percent of high school graduates wander the streets with no fixed jobs.

With house price skyrocketing every year, it rose by 7 percent in a year till November throughout the country as against the previous years and the number of people leading vagabond life is rapidly growing.

According to statistics published by the US administration, the number of homeless people increased by about 10 percent in 2017 over that two years ago to reach 554 000, and that of poor families living in rented houses is also growing continuously.

School expenses also soared unprecedentedly, plunging university and college students into a "hell of loan".

Over the past four decades schoolexpensesrose1297percent, leaving many students from poor families to pay them by borrowing money from the government. As loan jumped three times as many as that 10 years ago, university and college graduates now have loans of \$37 000 on average and therefore student loan is regarded as the largest "public debt" next to house loan.

The US is known to have expensive medical service and complicated medicare procedures in the world, and American citizens are hard to have diseases cured even by selling their family property once they develop them.

Nearly 50 million poor Americans cannot receive medical care for lack of money and the numbers of deaths from

flu, pneumonia and asthma are 36 000, about 40 000 and 150 000 respectively on annual average.

Last year rotten meat products of a foodstuff company in Pennsylvania were sold in a large quantities to cause food poisoning in New York and other states. And an investigation result said that filthy cosmetics were on sale, increasing the number of skin disease cases.

Women's human rights situation under the Statue of Liberty is getting more wretched.

The US is one of the two countries in the world which have not adopted the paid maternity leave.

In the past 10 years the rate of poverty-stricken women in the US rose from 12.1 to 14.5 percent and women are paid 25 percent less than men in the same job.

Old lascivious Trump is in hot pursuit of sex and women.

The Washington Post fully revealed his corrupt and obscene life in a long article introducing the names of 13 women who accused him of having sexually harassed or molested them and testimonies of witnesses, shocking the world public.

In the US a woman is subjected to sexual abuse in every 89 seconds and only six of 1 000 rapists are legally punished.

In Chicago, which gained notoriety as a city of homicide, deadly shootings took place 10 times a day on average last year, killing or injuring over 3 540, and in Las Vegas the "deadliest shooting in the history of the US" occurred in October, leaving about 60 dead and 527 others wounded.

According to the watered-down statistics, there were about 61 100 cases of firearm-related crimes in the US in 2017, with 15 488 killed and 31 058 others injured.

In mid-April a man in his thirties killed his grandfather in Colorado by kicking him in the head for the reason that he said something to hurt his feelings. In July a woman in her thirties was tried in Atlanta, Georgia, after stabbing her four children to death and trying to kill her youngest daughter. All those present at the court were stunned to see her who did not feel guilty both as a human being and mother, and her husband who gave her thumbs-up smiling.

According to information available, the number of marijuana users in the US grew by three percent over that 10 years back to more than 20 million, 4.9 percent of university and college students are drug addicts and over 90 die of aftereffects of drug abuse on a daily average.

The US, which is rife with all kinds of crimes and evils, is said to have 2.3 million criminals now in penal servitude and 70 million ex-convicts, a third of the total population.

FM spokesman slams US sanctions

The US independent sanctions moves are a continuation of its hostile policy to stifle the DPRK without fail by dint of military threat and sanctions and pressure, the DPRK Foreign Ministry spokesman told KCNA on January 27. He added that they are a revelation of its ill intention to aggravate the situation by dampening the atmosphere of exchange and cooperation between the north and south of Korea.

Such a statement came after the US Department of Treasury announced on January 24 that it would impose sanctions on some ten DPRK officials and several institutions and vessels on the pretext that they had violated the American "law of sanctions".

The spokesman said that the independent sanctions launched by the US in accordance with its so-called "law of sanctions" are a blatant violation of

the universal international law, which stipulates that no sovereign state can be the target of judicial power of other countries in any case, an apparent act of infringing sovereignty and a grave act of provocation.

It is highly ridiculous that the US is still hell-bent on sanctions while ignoring the fact that the DPRK has had access to a powerful nuclear deterrent capable of frustrating and coping with any nuclear threat by the imperialist aggression forces in the face of unheard-of sanctions and pressure.

The US should come to its senses by getting rid of its foolish way of thinking, though belatedly, abandon its anachronistic anti-DPRK hostile policy and discontinue provocative acts of aggravating the situation on the Korean peninsula, he advised.

COMMENT

A trick to dampen inter-Korean rapprochement

On January 17 the US and south Korea held the second high-level meeting of the diplomatic and defence panel for discussing the extended deterrence strategy in Washington.

At the meeting both sides reaffirmed the usefulness of the discussion panel for the diplomatic and peaceful settlement of the DPRK's nuclear issue and agreed to further strengthen the cooperation system for the extended deterrence. And they reconfirmed a full US commitment to defend the south by using all of its military capability. They also agreed to keep rotatory deployment of the US strategic assets in and around south Korea as long as the "north's nuclear and missile threat" goes on, to exchange views on the Korean peninsula situation including inter-Korean dialogue and to maintain a close anti-DPRK cooperation system.

The meeting is riskier as it was timed to coincide with the US' concentrated deployment of B-2 and B-52 nuclear strategic bombers and a nuclear-powered carrier task group on Guam and its stealthy preparations for a special operation to cope with a contingency in the peninsula in several places including its mainland.

The recent confab is a direct challenge to the aspirations of the Korean nation and international community for eased military tension in the Korean peninsula, national

reconciliation and unity, and regional peace and stability.

It is a well-known fact that the US has so far shipped its military hardware en masse into the peninsula to realize its strategy for world domination on the pretext of the DPRK's "nuclear threat" and staged nuclear war games against it incessantly.

And at the very moment when a climate favourable for inter-Korean fence-mending has been created, the US outwardly expresses "support" and "welcome" to inter-Korean dialogue, but in actuality it does not want the Korean nation to get reconciled and reunified. Rather, it resorts to every trick to start nuclear war on this land.

It is really deplorable that the south Korean authorities persistently pursue military confrontation to do harm to the fellow countrymen by toeing the US line.

Such misbehaviour of the US and south Korean authorities clearly shows who seeks tension in the Korean peninsula.

Whether the trend towards inter-Korean fence-mending provided by the DPRK's sincerity and tolerance would stop or not and what will happen to the Winter Olympics in south Korea, common concern of Korean nationals and the international community, entirely hinge on the behaviour of both of them.

By Kim Rye Yong PT

SPORTS

Civil servants exhibit high enthusiasm in annual games

Competitive zeal is surging to a higher pitch with the passage of time at the 23rd round of the Paektusan Prize games of civil servants that kicked off on January 22.

There were self-defence matches of Taekwon-Do at the Taekwon-Do Hall in Pyongyang on January 25.

Competitors unfolded impressive scenes with a dogged fighting spirit and perseverance as they organically combined offensive and defence and flaunted various strike skills such as flying turning kick, flying front kick and side kick.

The spectators were mesmerized by the players' movements of high degrees of difficulty including those of turning the table on their opponents and smartly knocking down the opponents wielding weapons.

The men's contests were won by the State Planning Commission, General Bureau of Public Catering Service, Daesong Bank and Sci-Tech Complex and the women's

by the Ministry of Railways, General Bureau of Public Catering Service, Daesong Bank and Korean Central News Agency.

The first-stage matches of tug-of-war were played by every group at the Taekwon-Do Hall on February 1.

Spectators were specially attracted by the fierce match between the Ministry of Light Industry and the State Planning Commission belonging to Group C.

They are outstanding old rivals and therefore viewers believed that the winner of the match would be that of the group.

In the first round the ministry defeated the commission by adopting the tactics of pulling in high and low postures and tugging the rope with instantaneous force, whereas the latter overpowered the former in the second round by forcefully pulling the rope while maintaining convenient and stable postures to cope with the opponent's tactics.



PAK CHANG BOK / THE PYONGYANG TIMES

A tug-of-war is a popular event of the Paektusan Prize games of civil servants.



KIM CHOL / THE PYONGYANG TIMES

ICH

Fumigation therapy

Korean ancestors had long used fumigation in the treatment of diseases.

The fumigation therapy was originated from the long-standing steam bath treatment.

Steam bath is insufficient to treat many kinds of diseases as it only produces the sweating effect. So the ancestors developed the method of applying the aforesaid steam and fume in addition to the sweating method. Thus the fumigation therapy came into being by organically combining thermal stimulation, the

ensuing sweating effect and the pharmacological effect of medicinal herbs.

As it has incomparably greater curative effects and wider application than sauna, it can be claimed to be a great discovery at the time and is part of national heritage showing a slice of the resourcefulness of the Koreans.

The fumigation therapy is classified into thermal steam, fume and cleansing methods and into full, partial and local applications.

The thermal steam method

is to directly apply to lesions the steam that is produced by boiling Koryo medicines in a narrow-mouthed pot for preparing medicines.

The fume method is to apply to lesions or inhale the fume that is generated by burning traditional medicines in a pot or over a brazier.

And the cleansing method is to apply the steam to the lesions, cleanse them with decoction or dip them into it, and then put hot poultice over them.

The medicinal steam acts on membranes to increase the concentration of drug components in blood in local lesions, producing instant and marked curative effects.

The fumigation therapy

international

UEFA announces best team members

UEFA has made public on its website UEFA's best team members for 2017 chosen by football enthusiasts from across the world.

About 8.8 million soccer fans took part in the voting for the election of the best team members. It means that about 1.6 million more people have participated in the voting than the previous year.

Six players who are active in the Spanish Premier League are included in the list, making up the majority.

Five of them are the players of Real Madrid, the winner of UEFA Champions League. Cristiano Ronaldo set a record of having been listed on 12 occasions in total.

Ronaldo fails to score many points

Ronaldo is regrettably

showing poor results in this season at the Spanish Premier League matches. He scored only four goals in 17 matches of Real Madrid. In this season he has hit a record low since he joined the team. His scoring rate which was at the top of the tree in the 2014-2015 season has sharply dropped by 85 percent.

He scored 26 goals in the 17 matches in that season, or 22 more goals than the present record.

Figure skating

The 2018 European figure skating championship was held in Moscow, Russia, from January 15 to 21.

It is the first time for Moscow to host the championship since 1965.

Figure skaters above 15 as of July 1 2017 competed at the championship. The host country came first in the medal tally.

Compiled from KCNA

environment and other conditions.

Such apparatuses include a fumigation device and a Koryo medicinal fume inhaler.

The former consists of a mat, cover and heater, and the cover comes in full, partial and local ones.

The therapy is winning growing popularity thanks to scientific prescriptions that suit diseases and highly efficient treatment devices.

By Pang Un Ju PT