Argentine president announces shock measures amid protests WORLD, PAGE 12

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Nation open to sharing lunar samples in fair, equal manner

China welcomes researchers from the United States wishing to study lunar samples brought back by a Chinese robotic probe, but urges 'farsighted people in the US' to work for the abolition of the infamous Wolf Amendment, said a spokesman for the China National Space Administration. In an exclusive interview with China Daily on Thursday in Beijing, Xii Hongliang, the spokesman, said: 'China has never made any law, regulation or clause that prohibits cooperation with the US on space egoponation. We place great attention on international space cooperation and we are always from the United States wishing to

open to exchanges and communica-tion with the US in this regard." Xu said that China "welcomes peo-ple of the international science com-

munity, including those from the US, who have applied, or intend to apply" for the use of its lunar samples in accordance with its application rules

accordance with its application rules and "through appropriate means." He emphasized that the Chinese government carries out space government carries out space programs to explore and develop outer space in a peaceful manner, and engages in international communication and cooperation based on principles of equal treatment, mutual benefit, peaceful purposes and shared development.

US the blocker of space cooperation with China

esponding to media inquiries about United States Ambassador to China Nicholas Burns' recent claim that Beijing has no plan burns recent caunt may beging has no paul to cooperate with the US in lunar exploration, a spokesperson for the China National Space Administration denied the allegation, stating the real obstacle is the barriers Washington has erected.

Burns' comment stemmed from a US complaint Burns comment stemmed from a Us complaint that the Chinese space agency has refused to give NASA access to the lunar soil China's Chang'e 5 space mission brought back from the moon in 2020. The Chinese mission collected and brought home 1,731 grams of moon soil, and in a goodwill gesture to facilitate international collaboration, the Chinese space authorities offered to share the soil samples with interested international scientific institutions Beginning October, interested parties could submi an application to obtain some of the soil.

The US National Aeronautics and Space Adminis

tration also wants access to the soil for research purtration also wants access to the soil for research pur-poses, because the site where the soil was collected may provide information of special scientific signifi-cance. Specifically, scientists believe the Change's lunar sample may shed light on the late history of volcanic activities on the moon. Unlike its international peers, however, NASA faces a unique obstacle put in place by its own government, which prohibits

put in place by its own government, which promose it from collaborating with its Chinese counterpart. As the CNSA official pointed out, it is the so-called Wolf Amendment, rather than Chinese reluctance,

that prevents NASA-funded research having access to Chinese lunar samples. The Wolf Amendment was passed by the US Congress in 2011 and prohibits passed by the US Congress in 2011 and prominis NASA-funder research in direct, bilateral cooperation with the Chinese government and China-affiliated organizations unless approved by the Federal Bureau of Investigation and Congress. The legislation derived from a 1999 report, which claimed technical informafrom a 1999 report, which caumed technical informa-tion provided by US commercial satellite manufactur-ers to China involving satellite launches may have been used to improve Chinese intercontinental ballis-tic missile technology. Subsequently, the Barack Obama administration began to put in place more rigid restrictions on technological exchanges with China.

It is one thing whether or not the FBI and US Con It is one thing whether or not the FBI and US Congress allow NASA to engage in some form and degree of collaboration with Chinese counterparts; it is another how the two sides approach such exchanges. As the CNSA spokesperson said, it has always been Washington that opposes bilateral space cooperation. Beijing, for its part, has always been open to such exchanges and made repeated attempts to sustain interagency cooperation. Instead of accusing China, Washington should remove the artificial barricade created by the Wolf Amendment.
While Washington insists it would cooperate

While Washington insists it would cooperate with China where it thinks possible and when it serves the US' interests, Beijing prefers a generally constructive atmosphere where the Cold War men-tality of the Wolf Amendment has no place.

Lunar: Wolf Amendment seen as obstacle

Till now, China has established mmunication and cooperation on space programs with more than 50 nations and international organizations, he said. The Wolf Amendment, which was

first added to NASA's annual appro-priations bill by former US repre-sentative Frank Wolf in 2011, has been included in the agency's funding bill every year and has greatly affected bilateral ties between NASA and Chinese space authorities. Xu said it is truly confusing why at

and Chinese space authorities.
Xu said it is ruly confusing why at a time when the US is seeking to apply for China's lunar samples, "some people on the US side continue to show their fervid fondness for the Wolf Amendment."
I'd don't know whether the US side is playing on words or (playing) other little tricks," he said. The amendment has severed almost all exchanges and lines of communication between Chinese and US space communities since 2011, he added. In 2015, the US proposed to China to jointly run a Cwil Space Dialogue, which China agreed to The first dialogue was held in Beijing in 2015, the second in Washington in 2016, and the third again in Beijing in 2017. The fourth dialogue, which the US was supposed to host in 2018, is long overdue, Xu said.
China has done a lon dor work to make the fourth dialogue happen, but all its efforts have been in vain, be said. "This dearly shows that China is a genuine supporter of bilateral

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When the US wishes to cooperate with us. it says such cooperation poses no

threat to its national security, but when it doesn't want to work with us, bilateral ties become 'toxic and dangerous' to its national security. This is unfair."

Yang Yuguang, a senior space industry observer

space exchanges and communication, and the reason why bilateral cooperation can't occur lies in the plain fact that the US government continues to adopt Cold War mentality in handling space issues between the two countries."

Xu said that many of his "peers in the international space circle" have called on the US to relax or repeal the amendment, because they deem it as a stumbling block and only a tool for political propaganda.

We also urge far-stighted people in the US to consider kicking away such an obstacle," he said, adding that as far as he knows, there have been strong appeals in the US for abolish-

ing cooperation with China in lunar ep-space explorations

The spokesman made the remarks the wake of recent statements ned by NASA and US Ambassador to China Nicholas Burns. In a Nov 29 statement, NASA said

it has certified its intent to the US Congress to "allow NASA-funded researchers to apply to the China National Space Administration for

researchers to apply to the China Mistonia Space Administration for access to lunar samples returned to access to lunar samples returned to Earth on the Changé 6 mission.

The US space agency said that applying for the Changé 6 samples will ensure that US researchers have been supplied to the changé 6 samples will ensure that US researchers have been searched opportunities as scientists around the world.

However, NASA made it clear that this allowance applies specifically the Changé 6 mission samples and the changé 6 mission samples and charge for the company of the co

second man to walk on the moon during the Apollo II mission, who have been calling for the rescission of the Wolf Amendment. "Some people in the US are always terrified by their own imagination that China wants to contest for

that China wants to contest for space supremacy with the US, but the fact is that we never want to engage in a space race," Yang said. "When the US wishes to cooper-

ate with us, it says such cooperation poses no threat to its national secu-rity, but when it doesn't want to work with us, bilateral ties beco 'toxic and dangerous' to its national security. This is unfair." he said.

As of press time on Thursday, an mail sent to NASA by China Daily, equesting a comment on the mater, had not been answered.

Professor Martin Sweeting, a fel-

ter, had not been answered. Professor Martin Sweeting, a fellow of the Royal Society of the United Kingdom and a distinguished professor of space engineering at the University of Surreys, said it is very good news that as an exception to the Wolf Amendment, the US Congress has granted permission to NASA-funded researchers to apply for access to Changé e Sluma samples. "International collaboration on scientific space exploration is of great mutual benefit and increases the contribution to global knowledge," he wrote in an email to China Daily on Thursday. "This very welcome decision hopefully pawes the way for further possible bilateral scientific collaboration (between China and the US) relating to the monant of the collaboration (between China and the US) relating to the monant of the future analysis of samples collected from Mare."

and on the future analysis of sam-ples collected from Mars."
Professor Clive Neal, a leading expert on the moon at the University of Notre Dame in the US state of

Indiana, told the academic portal Science this month that US research-ers started lobbying NASA officials to explore the possibility of gaining ss to the samples soon after th

Chang'e 5 capsule returned to Earth.

He said the Chang'e 5 lunar samples have proved to be much younger. dated at 2 billion years old making them unique among lunar materials returned to Earth.

As one of the world's most notable space activities in 2020, the Chang's robotic mission was launched in lovember that year. It was China's first lunar sample-return mission and one of its most sophisticated

and one of its most sophisticated and challenging space endeavors. The landmark mission returned 1,731 grams of rocks and soil to Earth on Dec 17, 2020, presenting the first lunar substances obtained since the lunar substances obtained since the Apollo era. Recognizing the accom-plishment, the International Acade-my of Astronautics gave its highest team award for 2023 to the Chang's 5 project group, explaining that the Chinese team made outstanding contributions to mankind's lunar and deep-space exploration mis-sions.

and deep-space exploration mis-sions.

So far, lunar samples from the Chang'e 5 mission have enabled Chi-nese researchers to make a number of academic strides, including the discovery of the sixth new lunar mineral, named Changesite-(Y).

Changesite-(Y), which falls in the category of lunar merrillite, has become the first lunar mineral dis-covered and identified by Chinese scientists, making China the third

scientists, making China the third nation in the world, after the US and Russia, to have achieved such a feat.

Cai Jinman contributed to this story.

Shenzhou XVII crew conducts 1st spacewalk

Shenzhou XVII crew members conducted their first spacewalk on Thursday, completing a host of tasks outside the Tiangong space station, according to the China

Manned Space Agency.

The agency said in a news release that mission commander Senior Colonel Tang Hongbo and crew member Lieut enant Colonel Tang Shengjie returned to the Wentian science module at 9:35 Wentian science module at 9:35 pm after floating seven-and-a-half hours outside the colossal orbital station. The third crew member, Lieutenant Colonel Jiang Kinlin, stayed inside Tiangong to provide support, it said.

It was the 14th spacewalk con-ducted by Chinese astronauts.

During the operation, Tang Hongbo and Tang Shengjie ful-filled preset tasks such as an experimental repair operation on the Tianhe core module's solar wings, according to the agency.

This spacewalk was the second for Tang Hongbo, who is also the son to return to the Tianspace station.

It also made Tang Shengjie, now 34, the youngest Chinese astronaut with spacewalk experience, the

release said. The agency said there are a lot of science and technology assignments for the Shenzhou XVII come to perform in coming months, adding that they are scheduled to carry out several spacewalks during the remaining days of their say in orbit. The astronauts, who are the sixth group of Tiangong inhabitants,

post on Oct 26 to take over from their Shenzhou XVI peers.

Since their arrival, the astronauts have examined and maintained equipment, tested extravehicular suits and made preparations for their first spacewalk. They have also carried out exercises on manipulation of robotic arms, emergency evacuation and medical response, as well as conducted a of science and technology s, according to the agency.

tasks, according to the agency.
Orbiting about 400 kilometers above Earth, Tiangong currently consists of three major components — the Tianhe oce module and the Wentian and Mengtian science lab modules — and is connected with two visiting craft, the Shenzhou XVII crew ship and the Tianzhou 6 cargo ship.



Lieutenant Colonel Tang Shengjie, a crew member of the Shenzhou XVII mission, exits the Tiangong space station before conducting a spacewalk and completing a host of tasks with Tang Hongbo, miss