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SYLLOGE ON CHINA

Focus: Nuclear, Space, Missiles and other Security Issues

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INDIAN PUGWASH SOCIETY

Are European academics helping China's military?

Naomi Conrad, Esther Felden, Sandra Petersmann

DW, 19 May 2022

Researchers across Europe have forged close ties with scientists from the National University of Defense Technology (NUDT), whose mission is written in bold characters on a gargantuan stone slab close to the campus's College of Computer Sciences: "Excel in Virtue and Knowledge; Strengthen the Armed Forces and the Nation." Run by the Communist Party's Central Military Commission, the NUDT plays a crucial role in military research, from hypersonic and nuclear weapons to quantum supercomputers, said Alex Joske, an independent researcher who until 2020 tracked military institutes and labs in China as an analyst at the Australian Strategic Policy Institute. Under the lead of the Dutch outlet Follow the Money and the German investigative nonprofit CORRECTIV, DW and 10 European newsrooms collaborated for several months on the China Science Investigation, which found nearly 3,000 scientific publications by researchers affiliated with European universities and their counterparts at military-linked institutions in China — most notably the NUDT. Though it's possible that some papers may relate to the same research projects, the overall figure gives an estimate of the extent of the cooperation. The joint publications ranged from artificial intelligence and robotics to quantum research: fields that explore what are often referred to as emerging technologies. These are set to reshape the ways in which we communicate, socialize, drive and, crucially, conduct — and win or lose — wars.

<https://www.dw.com/en/are-european-academics-helping-chinas-military/a-61834716?maca=en-gk-volltext-newsstand-world-en-10745-xml-googlenews>

China plans world's first nearby habitable planet search with space telescope

The Hindu, 19 May 2022

Chinese scientists have proposed a space project to survey the sky through a space-borne telescope to hunt for habitable Earth-like planets outside the solar system, about 32 light-years from Earth, the official media reported. The project, named Closeby Habitable Exoplanet Survey (CHES), if carried out, will be the first space mission specially designed to search for habitable terrestrial planets around nearby Sun-like stars, the report said. The exploration of habitable planets outside the solar system is one of the key frontiers of fundamental research in astronomy. The CHES will observe about 100 Sun-like stars 32 light-years away on a long-term survey, and will hopefully discover roughly 50 Earth-like planets or super-Earths, planets that are up to about 10 times the mass of Earth, state-run China Global Television Network (CGTN) reported.

<https://www.thehindu.com/sci-tech/science/china-plans-worlds-1st-nearby-habitable-planet-search-with-space-telescope/article65430511.ece>

Japan hypocritical, contradictory over nuclear disarmament: Chinese FM spokesperson

Global Times, 20 May 2022

China always upholds the policy that it will not be the first to use nuclear weapons at any time or under any circumstances, this is "transparency" of the most practical meaning, Chinese Foreign Ministry spokesperson Wang Wenbin said at a press conference on Friday as a response after

media said that the US and Japan are negotiating to urge China to increase transparency in its nuclear power. Japanese media reported that the Japanese and US governments have begun coordinating on the wording of a joint statement to be released during their summit on Monday in Tokyo. The two sides are discussing over urging China to increase transparency in nuclear weapon and disarmament.

<https://www.globaltimes.cn/page/202205/1266154.shtml>

China's fusion nuclear reactor will not crash power grid in world first: scientists

Stephen Chen

South China Morning Post, 21 May 2022

A research team in China said that they have designed the world's first power plant that can turn fusion energy into electricity without bringing the power grid down. When completed in around 2035, the China Fusion Engineering Test Reactor (CFETR) will produce an enormous amount of heat with peak power output reaching as high as 2 gigawatts. But converting the heat into electricity is difficult because the reactor needs to take a 20-minute break every two hours, according to Xiang Kui, chief engineer of thermal systems with the China Energy Engineering Group Guangdong Electric Power Design Institute, in Guangzhou. This frequent interruption could create pulse energy that "will cause huge damage to the power grid", said Xiang and his colleagues in a paper published in domestic peer-reviewed journal Southern Energy Construction.

<https://www.scmp.com/news/china/science/article/3178614/chinas-fusion-nuclear-reactor-will-not-crash-power-grid-world>

Evaluating China's 'Space-Ground Integrated Information Network' Project

Kai Lin Tay

The Diplomat, 21 May 2022

The "Space-Ground Integrated Information Network" (tiandi yitihua xinxiwangluo, SGIIN) is a "mega engineering project" approved by China under its 13th Five-Year Plan (2016-2020) in March 2016. Like other mega projects, this project reflects China's "national strategic intentions," with the specific aim to "promote the comprehensive integration of space-based information networks, future internet and mobile communication networks" by 2030. The concept behind the SGIIN is not unique to China. The United States Department of Defense, for instance, developed similar networks such as the Global Information Grid and the Transformational Satellite Communications Systems in 2007 and 2008 respectively, which integrate space-based and terrestrial networks for military purposes. China's development of these integrated networks appears to lag behind U.S. military programs even though it first raised the intent to develop a space-ground integrated network system in a 2000 white paper.

<https://thediplomat.com/2022/05/evaluating-chinas-space-ground-integrated-information-network-project/>

Chinese space scientists aim for telescope to find next Earth up to 32 light years away

Ling Xin

South China Morning Post, 22 May 2022

A team of Chinese researchers has proposed launching a space telescope to look for a nearby “cousin” of the Earth – a planet of similar size and mass as our own, and orbiting in the habitable zone around a sun-like star. No such planet has been found yet, but it may hold the key to the question of “whether life is unique to Earth or ubiquitous in the universe”, according to project lead Ji Jianguo of the Purple Mountain Observatory at the Chinese Academy of Sciences (CAS) in Nanjing. Among the 5,000-plus exoplanets, or planets outside our solar system, detected so far, many are much larger than the Earth or dwell in the habitable zone of smaller and cooler stars such as a red dwarf, which are conditions less likely to host liquid water or life as we understand it.

<https://www.scmp.com/news/china/science/article/3178679/chinese-space-scientists-aim-telescope-find-next-earth-32-light>

New-type tracked armored engineer vehicle debuts in rescue drills on plateau

China Military Online, 23 May 2022

A combined-arms regiment under the PLA Xinjiang Military Command conducted a combat rescue and repair exercise at a training ground on the Karakoram plateau at an elevation of 5,300 meters. A new-type tracked armored engineer vehicle made its debut in a tank rush repair operation. Compared with the old ones, the new-type armored engineer vehicle is additionally equipped with a twin-turbocharger device, for which its engine power has been greatly improved. Besides, its chassis is the same as that of the new-type main battle tank, more convenient for coordinated operations and maintenance.

http://eng.chinamil.com.cn/view/2022-05/23/content_10157291.htm

NASA accuses China of stealing space technology

ANI, 23 May 2022

America's space agency, the National Aeronautics and Space Administration (NASA) has accused China of stealing unclassified American technology, ranging from military secrets to medical research. During a United States House Appropriations Committee hearing on May 17, NASA Administrator Bill Nelson accused the Chinese Communist Party of stealing the United States' most vital technological secrets, The Singapore Post reported. "Yeah, they're pretty good at stealing, And I think that's incumbent upon us to take cybersecurity very, very seriously," Nelson said. This comes as a response to the questions raised by the US representative and committee member, Robert Aderholt who noted that the space vehicles being developed between private US companies and state-run Chinese organizations have similarities.

<https://www.aninews.in/news/world/asia/nasa-accuses-china-of-stealing-space-technology20220523210834/>

Yoon-Xi summit unlikely any time soon

Kang Seung-woo

The Korea Times, 23 May 2022

The summit between South Korea and the United States has now passed and the attention is on how early President Yoon Suk-yeol will sit down with his Chinese counterpart Xi Jinping, given the importance of Seoul-Beijing relations. China is South Korea's largest trading partner. Plus, the two leaders have already expressed their wishes to hold a summit in the near future. But it is highly unlikely to occur anytime soon due to China's "unhappiness" about the Yoon administration's decision to stand with Washington amid the intensifying U.S.-Sino rivalry as well as its other domestic issues, according to diplomatic observers. During U.S. President Joe Biden's visit to South Korea, President Yoon showed signs of coming closer to the U.S. position — a dramatic shift from the Moon Jae-in administration's so-called "balanced diplomacy" between the powerhouses — that will undoubtedly frustrate the Chinese government, which had tried, in the recent past, to keep the South Korean government in check.

http://www.koreatimes.co.kr/www/nation/2022/05/113_329687.html

Chinese and Russian nuclear bombers fly over Sea of Japan as Biden visits Tokyo

Demetri Sevastopulo, Kathrin Hille, Kana Inagaki

Financial Times, 24 May 2022

Chinese and Russian strategic bombers flew over the Sea of Japan as Joe Biden attended a Quad summit in Tokyo, in a joint exercise the Japanese government denounced as “unacceptable”. The nuclear-capable bombers conducted a joint flight on Tuesday that began over the Sea of Japan as the US president was meeting his counterparts from Japan, Australia and India, Japanese and US officials said. Moscow said the 13-hour flight was carried out “strictly in accordance with the provisions of international law” and was not directed against third countries. But Nobuo Kishi, Japan’s defence minister, condemned the exercise as “provocative” and “unacceptable”. A US official said the exercise showed China was continuing military co-operation with Russia in the Indo-Pacific “even as Russia brutalises Ukraine”. “It also shows that Russia will stand with China in the East and South China Seas, not with other Indo-Pacific states,” the official said.

<https://www.ft.com/content/2b77473c-44d8-4b27-98f8-07c096f5302c>

Space Force Can Only ‘Mitigate’ China-Russia Space Cooperation

Abraham Mahshie

Air Force Magazine, 24 May 2022

The China-Russia relationship in space has serious security implications as the tenuous allies unite financing and know-how in an effort to displace U.S. space superiority and threaten America’s space architecture, according to a panel of experts at the recent China Aerospace Studies Institute conference. The two countries’ space cooperation, including in the military realm, has become inextricable since 2018 and works against U.S. interests, said Kevin Pollpeter, senior research scientist at the CNA think tank’s China Studies Division. “I don’t think we can separate China and

Russia. I just don't think that's possible," Pollpeter said in response to a question from Air Force Magazine following a panel discussion May 17 on China-Russia space cooperation at the National Defense University in Washington, D.C.

<https://www.airforcemag.com/space-force-can-only-mitigate-china-russia-space-cooperation/>

China launches 3 communications test satellites to low Earth orbit

Andrew Jones

Space, 24 May 2022

China launched three new test communication satellites to low Earth orbit as the country looks to build its own version of SpaceX's Starlink broadband constellation. A Long March 2C rocket lifted off from the Jiuquan Satellite Launch Center in the Gobi Desert at 6:30 p.m. local time (6:30 a.m. EDT, 1030 GMT) on May 20, the China Aerospace Science and Technology Corporation stated. A Yuanzheng-1S upper stage released three satellites, all of which are designed to carry out tests and verifications of in-orbit communication technologies, according to Chinese state media.

<https://www.space.com/china-launches-test-communications-satellites-low-earth-orbit>

China military must be able to destroy Elon Musk's Starlink satellites if they threaten national security: scientists

Stephen Chen

South China Morning Post, 25 May 2022

Chinese military researchers say the country needs to be able to disable or destroy SpaceX's Starlink satellites if they threaten national security. According to a paper published last month, China needs to develop anti-satellite capabilities, including a surveillance system with unprecedented scale and sensitivity to track and monitor every Starlink satellite. The study was led by Ren Yuanzhen, a researcher with the Beijing Institute of Tracking and Telecommunications under the PLA's Strategic Support Force. Co-authors included several senior scientists in China's defence industry.

https://www.scmp.com/news/china/science/article/3178939/china-military-needs-defence-against-potential-starlink-threat?module=more_top_stories_int&pgtype=homepage

Guam, 2,500 nautical miles from mainland China, Would Get Command Center With Integrated Air Picture in Missile Defense Agency Budget

Abraham Mahshie

Air Force Magazine, 25 May 2022

The strategically important U.S. territory of Guam would get 360-degree sensor coverage, missile defenses, and a command center in a plan put forth in the Missile Defense Agency's fiscal 2023 budget request. MDA director Vice Adm. Jon A. Hill made the case for the array of new defensive systems during a May 23 event at the Center for Strategic and International Studies in Washington, D.C., after highlighting all the capabilities that would be located on the island if Congress approves the plan. "Location does matter," Hill said. "If you just go look at where Guam is on the map, it is

inside an area that is absolutely tactically relevant,” Hill said of the Pacific island that is 2,500 nautical miles from mainland China and home to U.S. military installations including Andersen Air Force Base and Naval Base Guam with its Polaris Point Submarine Base. “You’ve got repair facilities there. We’ve got the Marine Corps there. We’re going to be stationing long-range fires there. It needs to be defended,” Hill said. He said Guam is not yet defensible against ballistic, cruise, or hypersonic missiles. The fiscal 2023 budget request, which is now before Congress, seeks to close that gap and to prepare Guam to be the most forward Pacific site in the defense of the U.S. homeland.

<https://www.airforcemag.com/guam-to-get-command-center-with-integrated-air-picture-in-missile-defense-agency-budget/>

Tensions escalate in Korean Peninsula as QUAD summit shakes Asian stability

Zhang Han and Wan Hengyi

Global Times, 25 May 2022

The US and South Korea jointly fired two missiles on Wednesday in response to North Korea's reported launch of three missiles, marking a further escalation of the Korean Peninsula situation as US President Joe Biden concluded his Asia trip to enhance an alliance with South Korea and Japan. Closely watching Biden's trip, North Korea, Russia and China are on high alert to US troublemaking attempts and will respond firmly to provocations to defend their interests, observers said, warning the external interventions will further shake hard-fought stability in Northeast Asia and cause unrest, insecurity and even militarization of the area. Yonhap News Agency reported that North Korea's missile test came only days after Yoon and Biden held a summit in Seoul and less than a day after Biden's QUAD summit in Japan. North Korea has also been testing a nuclear triggering device, Yonhap reported.

<https://www.globaltimes.cn/page/202205/1266560.shtml>

BRICS countries establish joint commission on space cooperation

Fan Anqi

Global Times, 25 May 2022

A joint commission on space cooperation of the BRICS countries (Brazil, Russia, India, China, and South Africa) was established, kicking off a new chapter of joint observation and data sharing of remote sensing satellites among the five member states, the China National Space Administration (CNSA) announced. Speaking at the first commission meeting via video, Zhang Kejian, head of the CNSA, noted that the establishment of the commission will guide the remote sensing sharing mechanism to better help the socioeconomic development of the BRICS countries and meet common challenges, such as climate change, disaster relief and environmental protection. Leaders of the space agencies of Brazil, Russia, India, China and South Africa shared updates on their activities and the implementation of the Agreement on the Cooperation on BRICS Remote Sensing Satellite Constellation, according to the administration.

<https://www.globaltimes.cn/page/202205/1266574.shtml>

China tests missile targeting for specific planes: CNAS' Shugart

Toru Tsunashima

Nikkei Asia, 25 May 2022

China has set up what appears to be a mock-up of an airborne warning and control system (AWACS) plane used by the Japan Air Self-Defense Force (JASDF) in a desert area of Xinjiang, Nikkei has determined, based on expert analysis of satellite photographs. The object is possibly a dummy target used for training to attack SDF aircraft with missiles. Tom Shugart, an adjunct senior fellow at the Washington-based Center for a New American Security (CNAS) pointed out in an interview with Nikkei Asia that the object appears to be a model of the JASDF's E-767 aircraft.

<https://asia.nikkei.com/Editor-s-Picks/Interview/China-tests-missile-targeting-for-specific-planes-CNAS-Shugart>

China's space tracking ship departs for 100th mission

Xinhua, 26 May 2022

China's space tracking ship Yuanwang-3 Thursday set sail for its first voyage this year from a port in east China's Jiangsu Province. The vessel will carry out its 100th maritime mission during this voyage. Yuanwang-3 has become the first ship of China's Yuanwang fleet to embrace its 100th mission. Commissioned on May 18, 1995, Yuanwang-3 is a second-generation Chinese space tracking ship. It mainly carries out maritime measurement and control and communication missions for satellites, spacecraft, and space stations. It has undertaken more than 90 maritime tracking and monitoring tasks for spacecraft, including the Shenzhou spaceships, Chang'e lunar probes, and BeiDou satellites.

<https://english.news.cn/20220526/371d8d48a6964e729d6a2803fa56d495/c.html>

China will take stern and firm initiatives if someone tries to spread war to Korean peninsula: China's UN envoy

Wang Qi

Global Times, 27 May 2022

China's ambassador to the United Nations Zhang Jun criticized the US for using the Korean peninsula issue as a card for its "Indo-Pacific strategy," after China and Russia vetoed a US-led UN Security Council resolution to toughen sanctions on North Korea over its intercontinental ballistic missile (ICBM) launches, the first time since 2006. Zhang said the US' one-sided emphasis on sanctions will not only escalate confrontation, but also cause humanitarian problems. Experts said the US' move is a continuation of the recent intensive manipulation of the Indo-Pacific issue. Instead of concerning itself with nuclear issues, the US' real purpose is to stigmatize Pyongyang through sanctions, but also to try to discredit China's image as a responsible power. The US-drafted resolution, which received support from 13 other Security Council members, includes reducing the amount of oil that North Korea can import and banning tobacco to the country, media reported.

<https://www.globaltimes.cn/page/202205/1266725.shtml>

PLA Navy Marine Corps organizes air assault training

China Military Online, 27 May 2022

A brigade under the PLA Navy Marine Corps organized an air assault training exercise for several days in unfamiliar areas. During the training, several ship-borne helicopters carried out sea-to-land penetration in combat formation. Overcoming difficulties such as obstacles in low-altitude flight and few reference objects in night flight, the pilots got emergency response capabilities trained in handling such situations as "enemy" radar reconnaissance and battlefield blockade with anti-aircraft fire power, with their all-weather combat capability improved.

http://eng.chinamil.com.cn/view/2022-05/27/content_10158448.htm

US, China must work together on N. Korea, other global issues: Blinken

The Korea Times, 27 May 2022

U.S. Secretary of State Antony Blinken urged Beijing to work with the U.S. on global issues, including North Korea, as he laid out America's policy toward China and their intensifying power competition. The top U.S. diplomat insisted the two powers must cooperate on vital global issues despite their differences. "On non-proliferation and arms control, it's in all of our interests to uphold the rules, the norms, the treaties that help reduce the spread of weapons of mass destruction," Blinken said in an address delivered at George Washington University. "China and the United States must keep working together and with other countries to address Iran and North Korea's nuclear programs, and we remain ready to discuss directly with Beijing our respective responsibilities as nuclear powers," he added. Blinken's remarks come as North Korea is widely anticipated to conduct a nuclear weapon test as part of its ongoing saber-rattling.

http://www.koreatimes.co.kr/www/nation/2022/05/113_329941.html

China to send astronauts to space station for final steps of construction

Ling Xin, William Zheng

South China Morning Post, 30 May 2022

China is preparing to send three astronauts to its Tiangong space station on a six-month mission to oversee the final stages of its construction. The Shenzhou 14 is scheduled to blast off from the Gobi Desert at around 10.44am local time, and the crew will include female astronaut Liu Yang, according to a source familiar with China's manned space programme. Liu was the first Chinese woman to go into space – on the Shenzhou 9 mission in 2012. She spent 13 days at the nation's first space laboratory, Tiangong 1, where she was in charge of medical experiments.

<https://www.scmp.com/news/china/science/article/3179758/china-send-astronauts-space-station-final-steps-construction>

Chinese space centre finds jamming device weeks before launch of latest space station mission in first reported incident of its kind

Echo Xie

South China Morning Post, 30 May 2022

A radio surveillance team at a Chinese satellite launch centre have said they have found a jamming device that can interfere with navigation systems in a car outside the base – the first time it has reported such an incident. The researchers at the Jiuquan Satellite Launch Centre in Inner Mongolia caught the car with a jammer inside when the vehicle passed by the centre about two weeks ago, according to an article posted by Beijing Daily on the online news portal sohu.com.

<https://www.scmp.com/news/china/science/article/3179756/chinese-space-centre-finds-jamming-device-weeks-launch-latest>

China finds uranium at ‘impossible’ depth: scientists

Stephen Chen

South China Morning Post, 30 May 2022

Chinese nuclear authorities say their researchers have discovered rich uranium deposits deep below the Earth, in what they are calling a breakthrough for the country’s national security. Huge, industrial-grade deposits were found at depths previously thought impossible, increasing China’s estimated total reserve 10-fold to more than two million tonnes – putting China on a par with Australia, one of the world’s most uranium-rich countries – according to scientists involved in the project. Using some of the world’s most advanced technology and equipment, the geologists increased the exploration depth to 3,000 metres (nearly 10,000 feet) – six times deeper than most of the country’s uranium mines.

<https://www.scmp.com/news/china/science/article/3179441/china-finds-uranium-impossible-depth-scientists>

China to launch three astronauts to space station in June, Shenzhou-14 out on pad

India Today, 30 May 2022

The China National Space Administration (CNSA) will launch the third crewed mission to the under-construction space station in June as it rolled the Shenzhou-14 spacecraft on the launchpad. The China Manned Space Engineering Office (CMSEO) rolled out the mission at the Jiuquan Satellite Launch Center in northwest China. The Shenzhou-14 mission will carry three astronauts to the Tiangong space station on top of a Long March-2F carrier rocket on a six-month mission in zero gravity. Huang Weifen, the chief designer of the country's astronaut system in a media briefing said that crewed spacecraft will send three astronauts to the Tianhe core module of China's space station in June.

<https://www.indiatoday.in/science/story/china-to-launch-three-astronauts-to-space-station-in-june-shenzhou-14-out-on-pad-1955954-2022-05-30>

China supports development of South Pacific nuclear-free zone

Xinhua, 31 May 2022

China upholds the international non-proliferation regime with the Treaty on the Non-Proliferation of Nuclear Weapons as its cornerstone and supports the development of the South Pacific nuclear-free zone, according to a position paper issued after the second China-Pacific Island Countries Foreign Ministers' Meeting. China is committed to deepening its comprehensive strategic partnership featuring mutual respect and common development with Pacific island countries, so as to build a closer China-Pacific island countries community with a shared future, the paper said. China hopes to work with Pacific island countries to follow the vision of common, comprehensive, cooperative and sustainable security so as to promote regional peace and security, it said.

<https://english.news.cn/20220531/ccb149b5a103411fac22f9d78d15ca9a/c.html>

Taiwan jets scramble as China air force enters air defense zone

Nikkei Asia, 31 May 2022

Taiwan reported the largest incursion since January by China's air force in its air defense zone, with the island's defense ministry saying Taiwanese fighters scrambled to warn away 30 aircraft in the latest uptick in tensions. Taiwan, which China claims as its own territory, has complained for the past two years or so of repeated missions by China's air force near the democratically governed island, often in the southwestern part of its air defense identification zone, or ADIZ, close to the Taiwan-controlled Pratas Islands. Taiwan calls China's repeated nearby military activities "grey zone" warfare, designed to both wear out Taiwan's forces by making them repeatedly scramble, and also to test Taiwan's responses. The latest Chinese mission included 22 fighters, as well as electronic warfare, early warning and antisubmarine aircraft, the Taiwan ministry said.

<https://asia.nikkei.com/Politics/International-relations/Taiwan-jets-scramble-as-China-air-force-enters-air-defense-zone>

China says it's close to completing its independent space station as Beijing and Moscow intensify a space rivalry with the US

Weilun Soon

Business Insider, 31 May 2022

China is on track to complete construction of its space station by the end of the year, according to Chinese state media. Chinese authorities said they were preparing a spacecraft that will carry a new batch of three astronauts to Tiangong, per the China Manned Space Engineering Office (CMSE). The launch is expected to happen in the coming days. Thereafter, China plans to send two laboratory modules to the space station in July and October, state-owned CGTN reported, quoting information provided by the CMSE. These modules and astronauts are the final steps in Tiangong's construction, CMSE officials said at a press conference in April. "After we complete construction of the space station in orbit at the end of this year, we will start developing use cases

and applications for the station that will last over the next ten years," Hao Chun, the agency's director general, said, according to a transcript from the press conference.

<https://www.businessinsider.in/international/news/china-says-its-close-to-completing-its-independent-space-station-as-beijing-and-moscow-intensify-a-space-rivalry-with-the-us/articleshow/91914429.cms>

A Chinese space center found a mysterious jamming device outside its base just weeks before a crewed rocket launch

Matthew Loh

Business Insider, 31 May 2022

Researchers from a space center in China said they found a jamming device right outside their base just weeks before a scheduled rocket launch, according to local news outlets. The device was found in a car being driven near the Jiuquan Satellite Launch Center in Gansu province, Yangtze Evening News reported. The space center didn't say if the incident was an act of sabotage but noted that the jammer could interfere with navigation systems and make a rocket go off course, per the outlet. China is set to send three astronauts to its Tiangong space station via its Shenzhou-14 rocket. Among the crew is Liu Yang, who became China's first woman to be sent into space in 2012. According to Yangtze Evening News, scientists at the Jiuquan space center started detecting "abnormal" interference signals earlier this month and spent several days tracking them down.

<https://www.businessinsider.in/international/news/a-chinese-space-center-found-a-mysterious-jamming-device-outside-its-base-just-weeks-before-a-crewed-rocket-launch/articleshow/91907547.cms>

*Sylloge on China is compiled by Mr. Niranjan C. Oak with inputs
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**Nuclear and Arms Control Centre, MP-IDSA
And
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