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Headline: US Nuclear Submarine Weak Spot In Bubble Trail: Chinese Scientists

Article Link: https://www.scmp.com/news/china/science/article/3230476/us-nuclear-submarine-weak-spot-bubble-trail-chinese-scientists#

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Tweet: A well-regarded Chinese research center claims to have developed a new method of tracking American submarines. @SCMPNews

Summary: Researchers from the Chinese Academy of Sciences' Fujian Institute of Research on the Structure of Matter, found an ultra-sensitive magnetic detector could pick up traces of the most advanced submarine from long distances away. The result "provides a new solution for the detection and tracking of submarines", according to the paper published on August 1 by the Chinese Journal of Ship Research. The journal is run by the China Ship Scientific Research Centre, which has a long and respected history of cutting-edge developments in ship and ocean engineering. The researchers calculated that the extremely low frequency (ELF) signal produced by a submarine's bubbles could be stronger than the sensitivities of advanced magnetic anomaly detectors by three to six orders of magnitude. Related: Aukus Allies Unveil Plan to Supply Australia With Nuclear-Powered Submarines and Nearly 40% of US Attack Submarines Are Out of Commission for Repairs and UK and Australia Urge Washington to Ease Secrecy Rules in Security Pact

Primary Topic: China

Topics: China, News article, Security

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