

IN THE NEWS

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World News

By one estimate, China's military expansion is increasing the likelihood of war [1]. Countering Chinese military expansion is a serious topic for Japan. For instance, Japan is considering underwater drones to monitor the East China Sea [2]. The Chinese expansion is also challenging the U.S. Navy. For instance, in 2017, China had 317 warships and submarines compared to 283 in the American Navy [3]. Moreover, there are concerns that China is exerting its influence to coerce US allies [4]. In another act of aggression, four Chinese Coast Guard ships entered territorial waters around the Senkaku islands [5]. Additionally, it appears China has installed a structure with a radar dome and solar panels, on Bombay Reef [6]. The Chinese approach to taking over the entire South China Sea appears to be making some gains. Case in point, Philippines President Rodrigo Duterte claimed the body of water belongs to China and encouraged others to realize it [7].

China has benefited from the technology now manufactured in the Communist giant. Amongst the biggest problems is the theft of intellectual property by China [8]. Indeed, one piece suggests the U.S. trade war with China was sparked by the rampant theft of intellectual property [9]. A good example is the case of Micron Technologies IP theft was valued at \$9 Billion [10]. Concurrently, there is a trend where China is moving from copying other's technology to Chinese innovation [11]. Perhaps more troubling, the stolen technology along with China's resulting wealth is finding its way into a rising military force. This practice cannot have a happy ending.

1. Gertz, Bill, Washington Free Beacon, *China Speeding Up Large-Scale Military Buildup*, November 14, 2018.
2. Shim, Elizabeth, UPI, *Japan to propose underwater drones to monitor East China Sea*, November 6, 2018.
3. Perlez, Jane, and Myers, Steven Lee, New York Times, *U.S. and China*

(Continued on page 2)

Security

Whenever there is a military warship collision with a commercial ship, we ponder the likelihood of malicious cyber/Electronic Warfare attacks. For example, last year there were four unlikely collisions involving US Navy 7th Fleet warships with commercial ships (USS Antietam, USS Lake Champlain, USS Fitzgerald, and USS John S. McCain) [1]. Now Norway's navy has had a similar collision. The Mal-

tese-flagged oil tanker, Sola TS, rammed a Norwegian warship at 4 A.M (November 8) [2]. By November 13, the Helge Ingstad frigate was nearly submerged [3]. Separately, Norway has accused Russia of GPS jamming during a NATO exercise [4]. Similarly, Finland reported Russia could be jamming aircraft GPS [5].

The Norwegian claim of GPS jamming is not limited to Russian activities. For

instance, one piece describes using \$250 worth of equipment to spoof existing GPS signals and provide false reading to applications such as Google Maps [6]. Perhaps this is why the Air Guard and Reserve are installing anti-jam GPS [7]. A question here is does this mean the warplanes were vulnerable to GPS jamming?

1. Arkin, Daniel, and

(Continued on page 2)

Inside this issue:

Terrorism	3
Economy	4

Special points of interest:

- Norwegian Warship sunk by tanker collision
- Stock markets tank

Security

(Continued from page 1)

- Hurst, Daniel, NBC News, *7th Fleet collisions raise questions about U.S. military readiness in the Pacific*, January 17, 2018.
2. Olsen, Jan M. AP, *Norwegian frigate is rammed by tanker in harbor, could sink*, November 8, 2018.
 3. Adomaitis, Nerijus, and Solsvik, Terje, US News/Reuters, *Norwegian Frigate*

Now Nearly Submerged After Collision, November 13, 2018.

4. Browne, Ryan, CNN, *Russia jammed GPS during major NATO military exercise with US troops*, November 14, 2018.
5. Sakelarlis, Nicholas, UPI, *Finland says Russia could be jamming aircraft GPS systems*, November 12, 2018.
6. Brewster, Thomas,

Forbes, This GPS Spoofing Hack Can Really Mess With Your Google Maps Trips, July 12, 2018.

7. Rempfe, Kyle, Air Force Times, *Air Force Reserve and Air National Guard F-16s to install upgraded anti-jam, anti-spoof GPS*, November 15, 2018.

A long habit of not
thinking a thing wrong
gives it a superficial
appearance of being right.
—Thomas Paine

(Continued from page 1)

- Are Playing 'Game of Chicken' in South China Sea*, November 8, 2018.
4. Economic Times, *China coercing India, Japan to exert its "illegitimate" influence: US report*, November 15, 2018.
 5. Japan Times, *Four Chinese ships briefly intrude into Japan's waters near Senkaku Islands*, November 11, 2018.
 6. The Economic Times/Reuters, *China building on new reef in South China Sea: Think tank*, November 21, 2018.
 7. Mourdoukoutas, Panos, Forbes, *US And Australia*

World News

Try To Tame China's South China Sea Ambitions, As Duterte Gives Up, November 22, 2018.

8. Donnan, Shawn, and Leonard, Jenny, Bloomberg, U.S. Accuses China of Continuing IP Theft as WTO Launches Probe, November 20, 2018.
9. Boxwell, Robert, South China Morning Post, *How China's rampant intellectual property theft, long overlooked by US, sparked trade war*, October 28, 2018.
10. Fleishman, Glenn, Fortune, *Justice Department Charges Chinese-Controlled Firm With Semiconductor Trade Secret Theft From Micron Technologies*, No-

vember 2, 2018

11. Rivers, Matt, CNN, *Inside China's Silicon Valley: From copycats to innovation*, November 22, 2018.

Terrorism

Terrorist attacks continue to plague the world. In Afghanistan, Taliban fighters killed at least 13 at a Government checkpoint [1]. Separately, in Kabul a suicide bomber killed at least 50 in an attack on Muslim scholars [2]. Then a bomb exploded inside a Mosque in Khost, killing at least 27 people [3]. In Amritsar, India, at least three people were killed during a grenade attack against religious worshippers [4]. In Pakistan, at least 25 people were killed during a suicide bomb attack on a market [5].

Terrorism in the Middle East continues in the news. Case in point, militants in the Gaza fired more than 450 rockets at Israel [6]. In Mosul, Iraq, a car bomb explosion killed several people [7].

Finally, in Africa, car bombs in the Somali capital killed at least 20 people [8].

The true cost of religious terrorist can be seen following their defeat. Case in point, one report indicates the Islamic State left 200 mass graves in Iraq [9].

1. Faiez, Rahim, AP/Fox News, *Taliban hit Afghan checkpoint, kill 13 soldiers, policemen*, November 5, 2018.
2. Faiez, Rahim, AP, *Suicide bomber kills 50 in Kabul attack*, November 20, 2018.
3. Salahuddin, Sayed, Washington Post, *Bomb explodes in mosque filled with praying soldiers in Afghanistan, killing at least 27*, November 23, 2018.
4. Economic Times, *3 killed, over 20 injured injured in grenade attack in Amritsar; terror act: DGP*, November 19, 2018.
5. Hindustan Times, *25 killed in suicide bomb attack in market in northwest Pakistan*, November 23, 2018.
6. Ahronheim, Anna, Jerusalem Post, *More Than 460 Rockets Fired at Israel From Gaza in Escalation of Violence*, November 13, 2018.
7. Frantzman, Seth L., Jerusalem Post, *Car Bomb Targets Mosul in Iraq*, November 8, 2018.
8. Ombuor, Rael, Washington Post, *Car bombs rock Somali capital, killing at least 20 in attacks claimed by al-Shabab*, November 8, 2018.
9. BBC News, *IS left 200 mass graves in Iraq – UN*, November 6, 2018.

Never give a sword to a man who can't dance.–

Confucius

Economy

The first time unemployment claims remained near record lows. For the week ending November 3, the number of first time unemployment claims fell to 214,000 [1]. For the week ending November 10, the number was 216,000 [2]. Finally, for the week ending November 17, the number was 224,000 [3].

Readers may recall the report that malicious chips were discovered in motherboards that were made in China [4]. Since then the Stock exchanges continued a downward fall. So far the fall has erased all 2018 gains [5]. The downward trend continued after Thanksgiving [6].

1. CNBC/Reuters, *US weekly jobless claims fall slightly to a 45-year low*, November 8, 2018.
2. Bartash, Jeffrey, Market Watch, *Jobless claims edge up to 216,000, but still near historic lows*, November 15, 2018.
3. CNBC/Reuters, *US weekly jobless claims rise to a more than 4-month high*, November 21, 2018.
4. Dennis, Stephen T., Bloomberg, *Super Micro Tells Lawmakers It Found No Malicious Hardware in Its Products*, October 30, 2018.
5. Decambre, Mark, and Matthews, Chris, Market Watch, *Dow finishes down 550 points as stocks erase 2018 gains*, November 20, 2018.
6. Imbert, Fred, CNBC,

Dow falls more than 150 points, posts worst Thanksgiving week decline since 2011, November 23, 2018.

*The man who reads
nothing at all is better
educated than the man
who reads nothing but
newspapers.—Thomas
Jefferson*
