Star Wars & Missile Defense

• Thousands of 5G satellite launches/space debris
• Rocket launch pollution impacts on Ozone layer/climate crisis
  • Military role of 5G
• US encirclement of Russia with ‘Missile defense’ systems
  • UN treaties to ban weapons in space
• Operation Paperclip/Nazi role in U.S. space program
Space Junk? Elon Musk Seeks 30,000 5G Satellites In Space
5G Applications

Military

Network-Centric Warfare & Future Soldier
FIRST NUCLEAR GENERATOR IN SPACE.

STILL PUSHING OUT THE SIGNAL

Perched atop the Navy's Transit 4A navigational satellite is a radioisotopic generator, designed and built by Martin for the AEC. Since launch on June 29, 1963, the Martin generator has unthrottled produced design output. It is expected to continue through mid-year 1966.

By the Associated Press

LOS ALAMOS, N.M. — Los Alamos National Laboratory reports that contamination of workers or equipment by radioactive substances rose between 1963 and 1985.

Lab officials say the increase has one primary cause: the Cassini project, an effort to build radioisotope heat sources for NASA's deep space probes.

The probes are fueled by an isotope of plutonium that is particularly difficult to handle and is many times more radioactive than the isotope used in nuclear bombs.

However, the Cassini project has peaked, and it is expected that contamination incidents will decrease soon, said lab spokesman Jim Dannenfeldt.

A Santa Fe activist acknowledged the increases probably are due to the Cassini project. But Greg Mello of the Los Alamos Study Group said a more fundamental problem is that plutonium is inherently dangerous to work with.

"There is every indication that increased work with plutonium will cause increases in worker exposures and an increased danger of more widespread accidents," he said.

Lab officials also said contamination rates could be higher because of improved monitoring of radiation incidents and a lowering of the Energy Department's threshold for reporting some contamination incidents.

"In a sense, I'm happy to see (the increase) because it indicates we're doing a better job of tracking and reporting" incidents, said Joseph Graf of the lab's environmental, safety and health division.

The number of documented incidents of radioactive contamination across the laboratory rose 38 percent, according to a July 13 study obtained by The New Mexican in Santa Fe.

The report also said the number of reports of contaminations at the lab's plutonium facility jumped 75 percent between 1965 and 1985, from 119 to 244, the newspaper said.

A second laboratory report said the total amount of radiation the entire laboratory workforce was exposed to in 1985 was the highest since 1960. The 1985 "collective dose" was 43 percent greater than the target level the lab committed itself to when a contract was drawn up earlier this decade, for the University of California to manage the lab, a 52-page annual report.

Graf said the increase was due primarily to two types of contamination: area contaminations and contamination of workers' clothing.

Other types of radioactive contamination have been decreasing, he said.

Contamination of workers' nasal passages with plutonium — a serious situation because that could disperse plutonium into the lungs — dropped from 11 incidents in 1963 to eight incidents last year, he said.

Six such incidents occurred during the first six months of this year, a rate slightly ahead of the 1982 rate.
Group of 104 Operation Paperclip rocket scientists in 1946 at Fort Bliss, Texas.
(35 were stationed at White Sands, New Mexico.)
MILITARY INDUSTRIAL COMPLEX
Annual Meeting

IF WE CAN TURN
A WAR IN LIL’ OL’
AFGHANISTAN INTO
$2 TRILLION...

JUST IMAGINE
WHAT WE CAN DO IN
SPACE!

M. WUERKER

POLITICO ANDREW MCNEIL
AEGIS UMBRELLA

U.S. plans for defending Europe from ballistic missiles include a combination of four Aegis warships forward-deployed to Naval Station Rota, Spain, by 2015 and, eventually, “Aegis Ashore” ground installations in Poland and Romania, which will include the radar and weapons of an Aegis ship.

SOURCE: U.S. MISSILE DEFENSE AGENCY
Recent U.S. Military Events In Europe
103,000 kilometers is the total length of the Norwegian coastline including fjords and islands. That is nearly three times around the world.
What the hell are you doing, getting so close to your own border?
Overextending and Unbalancing Russia

Assessing the Impact of Cost-Imposing Options

This brief summarizes a report that comprehensively examines nonviolent, cost-imposing options that the United States and its allies could pursue across economic, political, and military areas to stress—overextend and unbalance—Russia’s economy and armed forces and the regime’s political standing at home and abroad. Some of the options examined are clearly more promising than others.
U.S. MILITARY IN THE WEST PACIFIC

- **South Korea**
  - Deployment: 25,374*
  - Navy
  - CFA Chinhae
  - Air Force
  - Osan
  - Kunsan

- **Philippines**
  - Subic Bay Naval Station was handed over to the Philippine government in 1992.
  - An increase in the number of U.S. forces visiting the Philippines is possible, but there is no plans for permanent U.S. bases, the Philippine government says.

- **Japan**
  - 35,598*
  - Navy
  - NAF Misawa
  - NAF Atsugi
  - CFA Yokosuka
  - CFA Sasebo
  - CFA Okinawa

- **Guam**
  - 2,982
  - Joint Region Marianas

- **Singapore**
  - 122
  - Navy Region Center Singapore

- **Australia**
  - U.S. military eyes Cocos Islands as a future surveillance aircraft base
  - Darwin
  - Expected to grow in size over time to become a 2,500-person Task Force
  - 129
  - Pine Gap

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*Numbers are overall total which includes Army, Navy, Air Force and Marine Corps.

NAF: Naval Air Facility, CFA: Commander Fleet Activities

Sources: Military Balance 2011, Commander Navy Installations, Pacific Air Forces

REUTERS
P.A.R.O.S.
Prevention of an Arms Race in Outer Space
Global Military Spending in 2018

- USA, 36%
- China, 14%
- Saudi Arabia, 3.7%
- India, 3.7%
- France, 3.5%
- Russia, 3.4%
- UK, 2.7%
- Germany, 2.7%
- Japan, 2.6%
- South Korea, 2.4%
- Italy, 1.5%
- Brazil, 1.5%
- Australia, 1.5%
- Canada, 1.2%
- Turkey, 1.0%

SOURCE: Stockholm International Peace Research Institute

ANDREA VILLARI/Stars and Stripes