

Sinclair Inlet Chapter No. 80 National Sojourners, Inc



Bremerton, Washington

Our website address is: www.telebyte.com/masons/sojourn/index.htm

Feb 2017 Newsletter

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Hero Camp Officers 2016-2017

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Meeting Notice!

We will meet at VFW Post #239, 190 Dora Ave, Bremerton on Friday, 10 Feb. Social hour and dinner begin at 1800, meeting at 1900 hours. Ladies and guests are always welcome at the meeting and are urged to attend.

The associated Lewis and Clark Camp of the Heroes of '76 meets immediately following the Sojourner meeting and is open to all Heroes.

Don't forget to wear your Medals!

Highlights of the 13 Jan. Meeting

Commander Robert Monroe opened Chapter at 1900. Bro. Robert Monroe brought the Certificates of Appreciation he printed for the Past Presidents and Past Commanders of the Chapter. Bro. Richard Dexter and Bro. Joe MacIntyre were escorted to the altar to receive their Past President's Certificates. Photos were taken to commemorate the event. The VFW #239 Officer of the Day was called downstairs to receive a Certificate of Appreciation and a monetary donation as a Thank You for the VFW's hospitality to us.



Commander Robert Monroe presents Past President Certificates to Bro. Richard Dexter and Bro. Joseph MacIntyre.



Holding their Past President Certificates are Bro. Richard Dexter (2015-16, 2009-10) and Bro. Joseph MacIntyre (2013-14, 2012-13, 2006-07) .

Next month we vote on whether or not we want to raise the dues to \$30 per year.

Bro. Joe MacIntyre has a DVD he wants to present at the next meeting.

Sickness & Health: Pres. Peter Dawson is ill. Bro. Orville Stoner, Jr. is out sick too. Keep VWB Lance Otis in your prayers. His wife is ill and he has all he can do to take care of her.



Chapter #80 members (L-R) Bro. Joseph MacIntyre, Bro. Charles Yankosky, Bro. Robert Monroe, Bro. Todd Mears, Bro. Richard Dexter. Meetings are held at the VFW #239 meeting hall.

9 New Military Technologies

By Richard Sammon Kiplinger from Feb. 2016

\$80 billion was spent last year developing new weapons systems. More will be spent in 2017. New ideas for weapons to be used for aero/space, on land, on and under the sea come from defense contractors, universities and small tech start-ups. The world's best scientists and engineers partner with DARPA, the Defense Department's Defense Advanced Research Project Agency on these ideas.

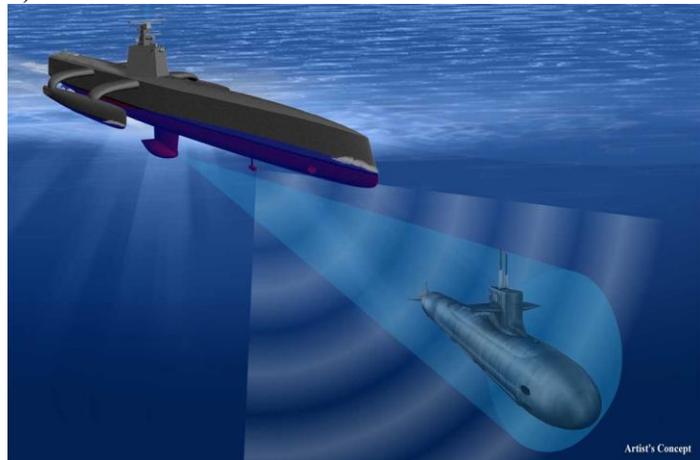
1) Google Glass-like Eyegear for Soldiers.



One day soldiers will be equipped with holographic glasses called ULTRA-Vis. A transparent eye screen covers one eye and projects visual pop-ups showing the wearer's

exact location, surrounding terrain and alerts to enemy positions. Applied Research Associates of Arlington, Virginia and British BAE Systems are developing the concept with DARPA. In time this technology can also be used by police, fire fighters and commercial pilots.

2) Robot Submarine Hunter



More countries are deploying quiet diesel/electric subs that can lurk underwater undetected. *Sea Hunter*, also called ACTUV (Anti-sub warfare Continuous Trial Unmanned Vehicle) is an unmanned, underwater drone that can hunt subs for months at a time without having to go back to port to change crews. Guided by sonar, radar and underwater vision, the drone can steer through narrow channels and shipping lanes. A prototype built by Leides, with sonar supplied by Raytheon, is being tested.

3) Laser Cannon.

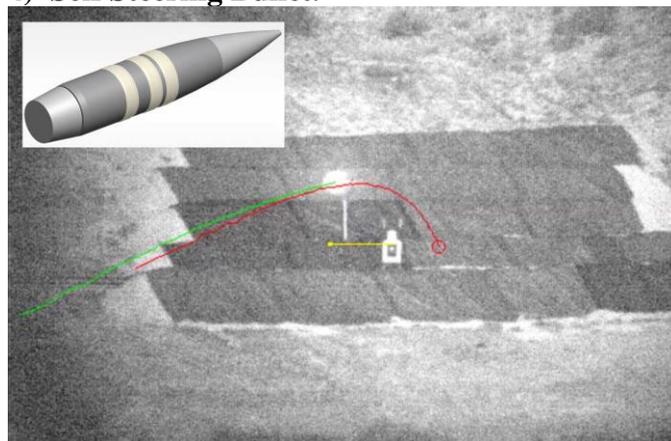


The successful testing of a Laser weapons system aboard the *USS Ponce* in the Persian Gulf has encouraged the Navy to arm ships with lasers to defend against attacks by drones and small motor boats.

Boeing and the Army are developing a truck-mounted laser cannon to shoot down incoming mortar shells and drones. It is called HEL MD or High Energy Laser Mobile Demonstrator. A diesel-powered generator, mounted in the truck, provides bursts of energy to power the laser. Lockheed Martin is in competition with their ATHENA system.



4) Self Steering Bullet.



Tiny sensors inside a 50 caliber bullet can make it change its course in mid-air and guide it to its target. Even a mediocre rifleman will be able to hit moving targets with pin-point accuracy. Contractor Teledyne Technologies and ammunition maker Orbital ATK won't say what makes the bullet change course. But competitor, the Dept. of Energy's Sandia Labs, uses a laser to guide the 50 caliber bullet and small fins to steer it in flight.

5) A Scout Plane for Every Ship.



Back in days of yore, only battleships and cruisers carried scout planes. Soon every frigate and destroyer can have an aerial drone for scouting purposes. But how do you

retrieve it in rough seas or on a small deck? DARPA's TERN (Tactically Exploited Reconnaissance Node), with vertical take-off and landing features, can be launched and landed on the ship's fantail. Counter-rotating propellers lift the plane vertically into the air. It then flies horizontally sending video, radar and other images back to the ship. Northrop Grumman is building a prototype.

6) The Mach 7 Navy Rail Gun.



By using electromagnetic energy instead of gun-powder, a rail gun can fire a 23 pound projectile a distance of 100 miles at 7 times the speed of sound. The projectile doesn't have to be explosive, since its own kinetic energy would cause heavy damage on striking a target. At \$25,000 apiece, a rail gun projectile is a cost savings over \$500,000 to \$1.5 million for a missile. Multiple rail gun shells, fired in sequence, could destroy an incoming missile.

7) Satellite Slingshots.



The Air Force and Boeing want to develop a system whereby a satellite can be launched by rocket assist from a high flying jet. A jet launch would cost about \$1 million, compared to tens or \$100s of millions to put a satellite into orbit using a ground launched rocket. The military wants to be able to deploy its satellites quickly and at any time.

8) Water Drones.



Remote controlled water craft, ranging from jet skis to small yachts, will be used by the Navy to patrol coastal waters and sweep for mines. Unlike drone aircraft, drone boats have to deal with currents, debris, other boats and rip tides. And their electronics have to be able to withstand salt water corrosion.

9) Satellite Melters.



Northrop Grumman and Raytheon are developing a satellite that can hunt and track another country's defense satellite and disable it. Reflecting enough sunlight on an enemy satellite can make it fall out of its orbit and burn up in the earth's atmosphere like a meteorite.