



ANA **GRAMPAW PETTIBONE**
SQUADRON INC.

1 AUGUST 2015

www.gpsana.org



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The Grampaw Pettibone Squadron is a non-profit organization (IRS Sect. 501(C)(4) which, through meetings, discussions, speaker programs, and periodic field trips, serves to educate squadron members and the general public on the requirements of an adequate national defense, especially maritime aviation, which is essential to a free society, and to support the military professionals (active and reserve) responsible for many aspects of national defense. GPS also seeks to foster the strong pride, esprit, and fraternal bonds which exist among those associated with Naval Aviation

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THE GPS LUNCHEON MEETING

WILL BE HELD ON

THURSDAY, 13 AUGUST 2015

AT THE

GARDEN GROVE ELKS LODGE

LOCATED AT 11551 TRASK Ave., GARDEN GROVE

Hangar doors open at 1130, Luncheon is at 1200, secure at 1330.

Please make reservations before 9 PM on Monday 10 August 2015

COST IS \$15.00. FOR RESERVATIONS Please E-mail

RayLeCompte34@Gmail/com or by Phone: 562-287-4846

About our speaker's topic:



STATE OF 1ST MARINE EXPEDITIONARY FORCE

About our speaker:

Lt Gen DAVID H. BERGER USMC
COMMANDING GENERAL
1st MARINE EXPEDITIONARY FORCE

Lieutenant General Berger was commissioned as an infantry officer in 1981 following graduation from Tulane University. As a Lieutenant and Captain, he served as platoon commander in 1st Marine Division, and later as company commander and Battalion Operations Officer in 2d Reconnaissance Battalion during Operation DESERT STORM. He also served as Officer Selection Officer in Roanoke, Virginia.

As a field grade officer, Lieutenant General Berger was an instructor at Marine Aviation Weapons and Tactics Squadron One (MAWTS-1) in Yuma, Arizona; instructor at III MEF Special Operations Training Group; and served on the Joint Staff as a policy planner in the Strategic Plans and Policy Directorate, J-5.

Lieutenant General Berger commanded 3d Battalion, 8th Marines from 2002 to 2004, deploying the Battalion first to Okinawa, and later to Haiti in support of Operation SECURE TOMORROW. As a Colonel, Lieutenant General Berger commanded Regimental Combat Team 8 in Fallujah, Iraq during

Operation IRAQI FREEDOM.

While serving as Assistant Division Commander of 2d Marine Division, he was appointed to the rank of Brigadier General. He then deployed to Kosovo, where he served for one year as Chief of Staff for KFOR Headquarters in Pristina. From 2009 to 2011, he served at Headquarters Marine Corps as the Director of Operations in Plans, Policies, and Operations. In 2012, he deployed to Afghanistan as the Commanding General of 1st Marine Division (Forward) in support of Operation ENDURING FREEDOM.

In addition to a B.S. in Engineering, he holds a Master of International Public Policy from Johns Hopkins University School of Advanced International Studies, and a M.S. in Military Studies. His formal military education includes the U.S. Army Infantry Officer Advanced Course, U.S. Marine Corps Command and Staff College, and U.S. Marine Corps School of Advanced Warfighting. He is a graduate of the U.S. Army Ranger School, Jumpmaster School, U.S. Navy Dive School, and U.S. Marine Corps Amphibious Reconnaissance School.

On July 11, 2014, Lieutenant General Berger was promoted to his current rank and assumed command of I Marine Expeditionary Force.

Lieutenant General Berger is married and the Berbers have four sons.

About our July luncheon speaker's topic:



TRACKING USSR SUBMARINE DURING THE COLD WAR

Article by : Dick Fields
GPS PAO

Gramps was delighted to have retired Navy **Captain "Jerry" Stoll** tell us about the tracking of Soviet submarines during the cold war. *I am sure such tracking continues to this day.* As an experienced Navy Intelligence Officer, he served on active duty from 1976 to 2006, of which substantial time was spent in the tracking of submarines.

SOVIET PACIFIC FLEET SUBMARINES

DELTA I/III	SSBN	SS-N-8	4,500-5,000
NM			
YANKEE I	SSBN	SS-N-6	1,500-1,800 NM
VICTOR VIII	SSN		
AKULA	SSN		
CHARLIE I/II	SSGN	SS-N-7	35 NM
ECHO VII	SSGN		
KILO	SS		
FOXTROT	SS		

Since finding previously unknown submarines is difficult and unlikely, it is critical to track submarines from the time they leave port to be able to know their whereabouts at all times. This was extremely important

since these vessels had the capability of launching nuclear armed ballistic missiles with no prior warning. The threat of a Russian attack, using their

K-129 submarine, was emphasized by the possibility of an attempted attack that eventually led to the recovery by the Hughes Glomar Explorer as we have heard in a prior presentation.

Vladivostok was one port that was on the Sea of Japan while Petropavlovsk was

directly on the Pacific Ocean. This made access to deep water quicker from Petropavlovsk making tracking more critical. Forms of submarine tracking were SOSUS, Sound Surveillance System, operated with anchored buoys that transmitted information back to patrolling P-3 aircraft

or perhaps surface ships in the area. Submarines at home in their ports were identified and evaluated by satellite images. These were high resolution enough to give very accurate information. Also used was the Surveillance Towed Array Sensor System, STASS, although its range was limited by the location and distance from the towing ship.

ALL SOURCE ANALYSIS

IMAGERY INTELLIGENCE
SIGNALS INTELLIGENCE
COMMUNICATIONS INTELLIGENCE
ELECTRONIC INTELLIGENCE
SOSUS REPORTS
INTEGRATED UNDERWATER SOUND SURVEILLANCE
SYSTEM
POST-DEPLOYMENT DEBRIEFS

The tracking took place on rolls of graph paper while notes were referred to as "Tea Leaves". Our speaker, Jerry, was responsible for tracking 25 ballistic submarines. He would report on a daily basis but the

reports were subject to an immediate call back if necessary. SOSUS was so sensitive that it would even detect the Russian Bear bombers in flight over the sensors. SOSUS and STASS were both part of the system called Integrated Undersea Surveillance System (IUSS).

We thank Captain Stoll for his service as well as his presentation concerning this formerly very secret project that helped to keep the United States safe during the cold war.

ABOUT GRAMPS' MEMBERS:



Pictured above are CDR Willis E. Hardy USN, Ret. (L), and LCDR Fred L. Dungan USNR, holding one of the Congressional Gold Medals in Honor of American Fighter Aces of World War II. Each of these Gramps members received one of these Medals from The Speaker of The House of Representatives, John A. Boehner, at the Smithsonian Museum, in Washington, D.C., on 20 May 2015.



C.O.'S COLUMN by Tim Brown

I look forward to the briefing on 13 August by Lieutenant General David Berger, Commanding General of 1st Marine Expeditionary Forces. As you probably know, he has under his command, among many others, unit, the 3d Marine Air Wing. It should be an interesting

presentation and gives our members a chance to interact with senior officers in the Marine Corps. Hopefully we will have a large turnout.

Sailors of the Quarter Awards will also be made at our next meeting. As you know, we have these presentations at the meetings in August, November, February and May. This gives our members an opportunity to meet and interact with active duty enlisted personnel who have performed their assigned responsibilities and discharged their duties at the highest level of competence. We hope that this activity prompts you to attend our luncheons.

My primary subject for this month is attendance and contributions to our "Great Guys" fund. Remembering that Gramps does not charge a membership fee, we have to have some sources of revenue with which to pay for our contributions to the SOQ program and other costs related to running the organization, including printing, postage, website maintenance and other related costs. Each paid lunch contributes about \$1.50 to GPS. We also have the "Great Guys" who contribute a little extra to the coffers at meetings or by sending a check in the mail. We, the staff, who see these contributions, greatly appreciate those extra dollars! Please consider sending a little something whenever you can, it helps. If you like what we are doing, send money.

Finally, I received a call last month from one of our members who was having a hard time getting through to the staff about a subject that was near and dear to him. I gave him the various contact points so now he is fixed for the future. For all of the other members or interested folks who want to contact staff members, the email address for everybody except Dolores Hardy is in the masthead for the OpPlan. If you have a suggestion for person or subject that would be appropriate for presenting to our group at our monthly luncheon, please contact Cindy Macha, our Operations Officer. If your query or comment is other than a briefing item, I can be reached on my cell at (562) 547-0780 or you can leave a message on our telephone message number at (562) 287-4846. If you wish to send something to me via USPS (snail mail), my address is 5061 Marion Avenue, Cypress, CA 90630. I hope that this information helps.

The GREAT GUYS

Here are some of the Great Guys who have made contributions to Gramps in July. These guys and the members who attend the monthly luncheons are the ones who make possible Gramps' Sailor of the Quarter program and the Mailing of the OP-Plan. **Members who do not attend the monthly luncheons and receive a mailed OP-Plan should consider a contribution to cover the OP-Plan costs.** Gramps and his staff thank them all and hope to see your name here.

**Vince van den Brink, Tim Brown,
Marv Garrison, Bob Helton,
Ray LeCompte, Bob Olds, Joe Pike,
and Peter Cherbak**



MEMBERSHIP

By Fran Pieri

Our next luncheon will be Thursday, August 13th. Let's start off by welcoming into the GRAMPS Sqdn. Mr. Ronald Windell. "Welcome Aboard" to our squadron and ANA. Our speaker, Lt Gen David Berger USMC, will be as interesting as the last one. As you can see,

we are starting to get some new members into ANA. We need more. If you know of anyone who might be interested in joining us, please bring them along. Maybe they will join us. Carpooling is always a must for those of us who cannot drive. This meeting means an awful lot to them. Come early to get a good seat and table. FRAN

PLANES OF FAME

By Fran Pieri

Our two next events will be Saturday, August 16th. The Spirit of 45- 70th Anniversary of the end of WWII. The second event will be Saturday, September 1st. The Vietnam Air War will be the main topic featuring the Cessna L-19 Bird Dog. Living history flying days are always held on the first Saturday of each month. Hanger doors open at 0900am. The featured presentation will be at 1000am. There is always a panel of topic experts on the Air War and the featured aircraft. Free admission to all members. There is always a raffle to ride in the featured aircraft. Come early to take photos and visit with friends. I'm there every Saturday. Hope to see you there. FRAN



WESTERN MUSEUM OF FLIGHT

CELEBRITY LECTURE "TEST PILOT"

The design, development, and flight testing of a modern, stealthy, air superiority fighter presentation will be made by Paul Metz and Jim Sandberg, the two YF-23 test pilots who flew all the test flights on the two prototype aircraft. Article by Cindy Macha.

Date: 15 August 2015

Time: 11:00 AM

**Where: Western Museum of Flight
3315 Airport Drive, Torrance**



Gramps; members at the Western Museum of Flight. George Del Gaudio(left) and CDR Willis Hardy USN(Ret) (right)

THE GRAMPAW PETTIBONE SQUADRON INVITES YOU TO JOIN US FOR A VISIT TO THE: NORTHROP GRUMMAN F/A-18 MANUFACTURING LINE, AND A BRIEFING ON THE X47B

PHOTOS WITH CELL PHONES.

Have to be able to walk about 1/2 mile, NO wheel chairs or walking canes. Bathrooms are available at the beginning and at the end of Manufacturing line ONLY.

DEADLINE: FOR ABOVE INFORMATION IS: AUGUST 13, 2015.
SEND THE SECURITY INFORMATION and all PARTICIPANTS NAMES TO:



**Vincent van den
Brink,**
P.O. Box 752,
Lake Forest, CA
92609-0752
Or E-Mail:

vincentvdb1@yahoo.com

Tel#: 949-770-2578.

Also give me your telephone # and E-Mail address so that I can contact you for directions and changes.



F/A-18E/F Super Hornet made its first flight in November 1995. The Super Hornet is a low-observable aircraft that performs multiple missions, including air superiority, day-and-night strike with precision-guided weapons, fighter escort, and close air support. It is operational in 10 U.S. Navy Carrier Air Wings (25 squadrons) and the Royal Australian Air Force.

The X-47B is an unmanned aerial demonstration vehicle for use on carriers that was developed by Northrop Grumman to demonstrate the feasibility of this type of design on carriers. This X-47B has successfully launched and trapped on an aircraft carrier and demonstrated autonomous aerial refueling, a key technology development activity. We will attend a briefing on the capabilities of the X-47B and the progress of the demonstration and testing of this type of vehicle.

**MAXIMUM NUMBER OF
PARTICIPANTS IS 20.
DATE : TUESDAY
SEPTEMBER 01,2015.**

Meeting Time & Place: Between 09:45 – 10:00 a.m. at Building 902 (participants will receive more detailed instructions).Length of Tour and Briefing: Approximately 2 hours.

Dress: Casual, closed-toe, flat shoes, lady's wear slacks (**NO HIGH HEELED SHOES**).

Transportation: Drive yourself/with friends

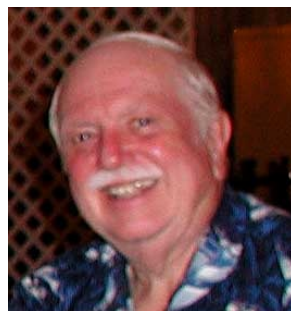
Security Requirements: MUST BE A US CITIZEN., Picture ID for all persons over 16.

YOU NEED TO SEND ME :YOUR FULL NAME, and DOB. NO CAMERAS, NO

From the

FLIGHT SURGEON

Bob Helton MD



Prostate Cancer Update: More U.S. physicians are sparing their low-risk cancer patients from surgery, radiation and hormone therapy in favor of monitoring their patients over time- a strategy called "watchful waiting". The number of low-risk patients who didn't undergo treatment jumped from as low as

7 % from 1990-2009 to 40 % from 2010-2013. These findings indicate that more patients are being monitored to see if their conditions get worse. In addition to finding a higher rate of watchful waiting in all men, those men aged 75 and older were much less likely to get potentially unnecessary treatment. Among low-risk men aged 75 and older, the rate of watchful waiting shot up from 22 % in 200-2004 to 50% in 2010-2013. As for patients at greatest danger, we are seeing more aggressive management of higher-risk disease with surgery, radiation or both, which is also a trend toward better management. The number of men who will die of prostate cancer because they chose active surveillance is not zero, but it is a very low number, far lower than those harmed by avoidable surgery, radiation, etc. The net health benefit for men with prostate cancer is likely to be more positive because we are treating the men who need treatment while avoiding the risk of side effects for those who don't. These include incontinence and impotence. In older men, some cancers are slow-growing and less likely to cause problems.



**The Congressional
Gold Medal in
Honor of
American Fighter
Aces of World
War II.** Picture by Dick
Fields