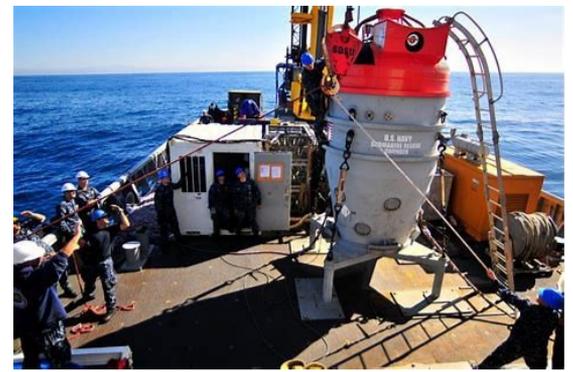




*Naval Submarine League  
Pacific Southwest Chapter  
March 2019 Newsletter*

<http://pacificsouthwest.navalsubleague.com>

[nslpacsw@hotmail.com](mailto:nslpacsw@hotmail.com)



**Our Program for March 12th, 2019**

**“Why Submarine Escape Procedures Reflect the Limitations of the Human Body”**

(Oxygen Toxicity, Bends, Nitrogen Narcosis and Air Embolism Are All Factors)

**CAPT C. Gresham Bayne, MD, USNR, (Ret.)**

Dr. Gresham Bayne, an Undersea Medical Officer as well as an Emergency Room Doctor is a Member of the Naval Submarine League. After receiving his BS from Davidson College, he received an MA in Biology from the College of William and Mary. He attended Medical School at the Medical College of Virginia and then did a Straight Surgical Internship at the Naval Regional Medical Center, San Diego. His General Medicine Residency was at the same location and then he completed his Emergency Medicine Residency at Georgetown University in Washington, DC. While in the Navy he was certified as a Radiation Health Officer, Submarine Medical Officer and Undersea Medical Officer. Dr. Bayne’s time in the Navy coincided with the intense interest in submarine rescue following the loss of USS THRESHER and USS SCORPION. From SEA LAB to the introduction of the DSRV’s (Deep Submergence Rescue Vehicles) into the Fleet, he was instrumental in the evaluation of these efforts as well as the programs to utilize Saturation Divers in the US Navy and to clinically and operationally employ hyperbaric techniques and chambers. He served on the Staff of Commander, Submarine Development Group ONE in San Diego; he co-authored the Navy’s textbook for Diving Medical Officers and he started the Navy’s first Emergency Medicine Residency Program while creating the first Emergency Department Residency Program in the Navy in support of the largest Emergency Department in the World here in San Diego. Besides his significant contributions to Navy undersea operations, Dr. Bayne is an entrepreneur/emergency physician with a lifelong passion for care in the home setting, particularly for those in need. One of three co-authors of the Independence at Home Act (IAH), Section 3024 of “Obamacare,” modeled after his 30-year-old Call Doctor house call group, he is credited for creating the only Accountable Care Organization which has proven to save significant Medicare dollars while improving both quality of care and patient satisfaction. He has started several companies, including Call Doctor which was acquired by a NYSE company in 2015 and Janus Health, acquired by billionaire surgeon Patrick Soon Shiong in 2008. He has raised over \$30M in nine rounds of venture capital, and been a founding board member for three nonprofits, including his role as Founding Chairman of the Volunteers in Medicine Clinic in San Diego, where no money trade hands. Whether performing the first lab tests, EKGs, and portable x-rays on house calls in history, surviving 26 consecutive “no-change” audits for his house call group, or defending physicians and nurses successfully in over 5,000 ALJ appeals, Dr. Bayne remains committed to the pursuit of home-centered healthcare reform. Dr. Bayne retired from full-time medical practice in 2014, but still sees patients in their homes for free. He remains active as Chief Medical Officer of SIMNSA, International, as well as providing a limited number of expert testimonies in emergency medicine and criminal trials for Medicare dependents. He is working on his book about the physician house call service as part of the solution to our national healthcare crisis. Dr. Bayne has been an author of 6 books, over 30 published articles, has testified before Congress and holds 10 patents relating to improving health care at home through the use of communications, electronic file management and data transmission. He plans to discuss with us some of the historical aspects of submarine escape and rescue while focusing on the realities of those situations which are dictated by the construct of the human body.



**He Was Not Scared—but He Should Have Been.** Admiral R.L.J. Long, the Vice CNO and a submariner of great distinction, sent Dr. Bayne to the UK to learn of the UK’s plans for escape from a stricken submarine and to compare them to the US’s plan for the DSRV Program. As a result, Dr. Bayne found himself in a Royal Navy submarine, HMS Courageous, bottomed in the North Sea off of Scotland. To complete his evaluation, Dr. Bayne donned the Royal Navy “Escape Suit”, and ejected from the HMS Courageous escape chamber; he made a free ascent from 300 feet. While US training may do 50 or 100 feet of free ascent, 300 feet into the cold North Sea is a story that perhaps Dr. Bayne will have time to tell us.

*Sam Ward, President*

