



# THE CHINA LAKER

VOL 22 NO 10

January 2018

## President's Message

by Laura Hickle, hickleh@gmail.com

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We have had many activities going on in addition to our building project. Our lecture series began with presentations in November and December. Thanks Bob Smith for

heading up this project. Exhibit installation is now occurring at the new location. Thanks Scott Millett, Bob Smith, Art Hickle, Charlie May, Joe Seybold, Gunnars Svika and Bob Campbell. Bob Campbell and helpers have been cleaning out Sea Containers and other storage areas. Julie Stayton has been collecting sturdy boxes. Megan Rawson made sure that we were listed in the Open House events which lead to a banner day in the museum and gift shop. A crew cleaned up all of the new gift shop fixtures in preparation for moving. Thanks Nancy Kiren, Careen Rose, Bob Gould, Wayne Doucette and others. We had a great turnout of over 40 people at the December 13<sup>th</sup> Volunteer Luncheon. We have completed a MOU with the base that allows us to move artifacts to our new location which is a significant development. Finalizing procedures and forms is now occurring. Thanks Bob Campbell, Bob Smith, and Susie Raglin and her great team for making this happen. If I left you off this list please know that we do value your time!

OrbitalATK recently presented the China Lake Museum an original oil painting by Larry Zabel. The painting is an F/A-18 launching an AARGM, a missile that OrbitalATK was instrumental in developing here



at China Lake. This was one of Larry's last paintings, and has not been named. It will hang in a place of honor in the new museum. The Foundation will run a contest during the upcoming Annual Dinner Auction to name this beautiful painting

We could use helpers for weekend exhibit projects. The next month will also be busy as we finish construction and start moving items over to the new location. We could use more volunteers in February for packing, unpacking, setting up the gift shop, cleaning and doing minor trim repairs to the new auxiliary building. We will need a good spiffing up the place before the grand opening and other special events. The Board of Directors are doing a great job but they are *tired* and need help. Your museum needs your help!

Check us out on Facebook <https://www.facebook.com/ChinaLakeMuseum/> and at our revamped webpage <https://chinalakemuseum.org/>

China Lake Museum

CALL 760 939-3530

chinalakemuseum@mediacombb.net



## CLMF Educational Lecture Series

### November 30, 2017 - Gliding to the Stratosphere with Jim Payne, Chief Test Pilot of Airbus Perlan II

The local chapter of the American Institute of Aeronautics and Astronautics (AIAA) in cooperation with the CLMF jointly sponsored this event. The Airbus sponsored Perlan Mission II, was the world's first initiative to send an engineless aircraft to the edge of space. The mission made history on 4 September 2017 in the Patagonia region of Argentina by soaring to over 52,000 feet and setting a new world altitude record for gliding. Pilot Jim Payne, presented an overview of the mission that included details of the unique sailplane and the logistics required to execute this event in this remote location.

The presentation was held at the Clarion Inn, and was attended by approximately 60 people. Additional details about the Airbus Perlan mission can be found at the following website. <http://www.airbus.com/newsroom/press-releases/en/2017/09/perlan-sets-new-world-record.html>

### December 19, 2017 - The Origins of Silicon Valley: Why and How It Happened Here

The CLMF in cooperation with The China Lake Alliance sponsored this event. The presenter, Paul Wesling, graduated from Stanford with BS and MS degrees, worked and retired in Silicon Valley. His fascination with the Why and How of the unique culture and organizations that were spawned in this region inspired him to research the history and document his findings in this entertaining and educational presentation.

The presentation was held at the Marriott SpringHill Suites and was attended by approximately 50 people. Dan Spurgeon, Manager of the Marriott SpringHill Suites, graciously donated the conference room and accommodations for Paul and his wife.

A video of Paul's presentation that was given at Stanford is available at the following website:

[https://www.youtube.com/watch?v=IRDB\\_W6POys](https://www.youtube.com/watch?v=IRDB_W6POys)



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## China Lake Support For George W. Bush Commander-in-Chief 2001 - 2009



Conflicts	War on Terror, Iraq War, Afghanistan War
<b>Major Contributions of the Naval Air Warfare Center Weapons Division (NAWCWD)</b>	
<p><b>Problem:</b> The U.S. became involved in wars in Afghanistan (<b>Operation Enduring Freedom</b>) and Iraq (<b>Operation Iraqi Freedom</b>) and the overarching <b>War on Terror</b> in the wake of the terrorist attacks on New York and Washington D.C. These wars in the desert terrain of Iraq and the mountainous terrain in Afghanistan far from supply lines called for new weapons and tactics.</p> <p><b>Solution 1:</b> In addition to USAF bomber attacks, the U.S. Navy attacked targets in Afghanistan with NAWCWD supported <b>F/A-18s, F-14s, and Tomahawk</b> cruise missiles. China Lake established a <b>Warfare Response Center (WRC)</b> that became and remains a 24/7 central help desk connecting the Naval Air Systems Command with the warfighters in the field. The WRC fields more than 500 support requests annually. The WRC also supported Operation Iraqi Freedom.</p> <p><b>Solution 2:</b> The NAWCWD <b>Joint Direct Attack Munition (JDAM)</b> quickly became the weapon of choice for highly accurate bombing of targets. When supply outran demand, NAWCWD quickly provided maintenance on 630 JDAM tail kits needed by deployed Marines Corps forces as well as providing JDAM capability to the legacy F-14B and the F-14D.</p> <p><b>Solution 3:</b> The <b>Low Altitude Navigation and Targeting Infrared for Night (LANTIRN)</b> pod and the <b>Digital Precision Strike System (DPSS)</b> were integrated on the F-14 greatly expanding its nighttime and precision targeting capabilities, and the Tactical Tomahawk Improved Penetrator variant was developed for deep target penetrations from vertical launchers aboard ships.</p> <p><b>Problem:</b> In 1982 the Soviet Union fielded their AA-11 advanced air-to-air missile, which was highly maneuverable, had high off-boresight capability giving them an improved advantage in a dog-fight.</p> <p><b>Solution:</b> NAWCWD began developing an improved version of the Sidewinder in the 1990s and fielded the <b>AIM-9X</b> version in 2003 in response. New technologies were incorporated including an imaging infrared focal plane array seeker, a Helmet-Mounted Cueing system, a thrust vector control system and improved infrared countermeasures. By 2013 over 5000 missiles had been delivered to the U.S. armed services.</p> <p><b>Problem:</b> The on-going wars in Iraq and Afghanistan required air-to-ground ordnance with improved accuracy to decrease unintended collateral damage.</p> <p><b>Solution:</b> NAWCWD fielded a variety of such weapons including <b>GB-24E/B hard target penetrator, SLAM-ER</b> with in-flight retargeting capability, several improved warheads and fuzes for existing weapons, laser-designator capability for the <b>AV-8B, LANTIRN</b> pods and <b>JDAM capability on the F-14, and new operational software and night targeting capability on the AH-1W.</b></p>	

# Benefactor and Founder's Wall

by Alice Campbell and Laura Hickle

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**Business Recognition**  
 Jacobs Naval Systems Group  
 Ridgecrest Regional Hospital  
 \*New to donor category since last  
 newsletter

## Gift Shop News

by Acting Operations VP Alice Campbell

Visitor and Gift Shop business has been very slow, probably because of the uncertain date of our move. The exception was for the Christmas Open House for Base employees and families when we had a BANNER DAY of visitors and the biggest Gift Shop sales day in many years!

The new China Lake Volume 4 history book "The Station Comes of Age" is now on sale for \$45, or all four volumes for \$100. If you call Nancy, our Office Manager at 760-939-3530, she will be happy to take your credit card information and mail you a copy or a set. We also have new shirts, hat pins, magnets and charms with our new China Lake Museum logo for sale in the Gift Shop. Come see us!!

In getting ready for Christmas and the move to Ridgecrest, Giselle Gatdula worked hard as a buyer to fill our Gift Shop with new gifts. We lost our "Exemplary Volunteer" greeter, tour guide, and Gift Shop assistant Lynn McIntire to her grandkids in AZ. We will miss her! Meanwhile, Joy Young, a 40 year veteran of our local Altrusa Club had arranged for me to give her club a presentation. The CLMF was the winner in that exchange because Joy became a new volunteer greeter. Amazingly, Joy helped in the original Museum on Base when it was in the old Quonset Hut! She stepped in to help fill the gap for Lynn. We are also welcoming Jenn Cobbel to our organization as the Gift Shop Manager. Jenn is a military wife with two children and has served as a gift shop manager in the past at a museum store in the Great Lakes area. Jenn may be contacted at [chinalakemuseumstoremanager@gmail.com](mailto:chinalakemuseumstoremanager@gmail.com). We are still looking for a Vice President of Operations.

**Newest Endowment Contributors**— We want to welcome James & Joy Colvard, Cam Alden, Phil & Nancy Arnold, Fred & Donna Weals, and Wayne and Pat Doucette as new Endowment contributors. Contributions are set aside to sustain the museum with the principal invested and only the interest utilized to support museum operations.

**Membership Fee Structure Changes**— Several changes are occurring as we prepare for our move. There will be a small charge to view the exhibits at the new location to help offset higher operational costs. Members will receive a discount. We will be issuing membership cards in the future. Changes to membership costs include:

Individual— remains at \$35	Business Sponsor- \$500
Family— new category for \$65	Business Sustainer- \$1,500
Business Associate- \$100	

## Spotlight: Business Membership

### BUSINESS \$1000 +

The Boeing Company  
Raytheon Company  
Jacobs Naval Systems Group  
Ridgecrest Regional Hospital  
**BUSINESS SPONSOR \$500**  
C Martin Company  
Warren's Automotive  
Precise Avian Company  
The Swap Sheet  
Vincent Avalos, Edwards Jones Investment

### BUSINESS CONTRIBUTOR \$100

Ashley Furniture Home Store  
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McDonald's Sierra II Ridgecrest  
Ridgecrest Area Convention and Visitor Bureau  
Ridgecrest Automotive, LLC  
Springhill Suites and Hampton Inn  
TOSS and Service Master

# The China Lake Museum Foundation



## SAVE THE DATE!

### 18<sup>th</sup> Annual Dinner & Auction

*Our Next Chapter!*

*Join the Team as we move into Ridgecrest*

Saturday, May 19, 2018 at 4:30 pm

Kerr McGee Center

**Program Sponsors and Auction/ Raffle Donations Needed NOW!**

Call the museum now to make a donation.

*Dinner Tickets sold at the Museum or Ridgecrest Chamber of Commerce  
starting in March.*

*Call (760) 939-3530 for more information*

**Dinner Auction Team:** Help is needed for a variety of tasks including advertising, publicity, program planning, invitations, decorations, soliciting and organizing donations, storage of donations, computer entry, setup and tear down on May 19, 2018 and manning stations during the auction. If you can help please contact Nancy Kiren at the museum [chinalakemuseum@mediacombb.net](mailto:chinalakemuseum@mediacombb.net) (760) 939-3530 or Laura Hickle [hicklelh@gmail.com](mailto:hicklelh@gmail.com) (760) 977-0460 and we will find a task that matches your time, area of interest and expertise.

The China Lake Museum Foundation is a 501(c)(3) corporation. Donations are tax deductible to the fullest extent of the law. Tax ID #77-0340083 [www.chinalakemuseum.org](http://www.chinalakemuseum.org)



## Building Committee

by Wayne Doucette and Laura Hickle

The Phase 1 Building Project is fast approaching completion. Our prime contractor, Chuck Cordell - PVC Plumbing, has said “He will have the project finished in February.” We expect to have some minor work to complete in February before we are ready to open. Stay tuned for our Grand Opening.

Since our last report we have:

- ◇ Completed the driveway and parking area, with all curbs and gutters.
- ◇ Installed underground water system, domestic, fire and landscape.
- ◇ Installed Ninety plus percent of all underground electrical conduit. Awaiting delivery of the meter pedestal before Edison will connect to power. Meter pedestal was installed last week. Electrical lines will then be installed.
- ◇ Installed Trellis columns, including welding. Sugar sand, five-feet under the soil surface, caused major delays in drilling the eighteen, eight-feet deep by twenty four-inch diameter holes for the columns.
- ◇ Currently drilling the Banner and light pole footings. Because of sugar sand we will slurry holes and then re-drill.
- ◇ Work on the inside of the building is progressing with exhibit infrastructure and electrical.
- ◇ Completed the block wall installation. CLMF wishes to extend a big “Thank You” to Chuck Patterson, our selected contractor for a timely and excellent job. Chuck Patterson also made a donation of \$4,221.00 from his labor cost to the Museum. The block wall was made possible through a generous donation of over \$43,465.83 worth of block from Cynthia Miller and Kathie King, sisters of Carolyn Hockett.
- ◇ Ordered the rear driveway gate from Jaguar Wrought Iron, our fence contractor. The gate is scheduled to arrive soon, and Jaguar Wrought Iron will measure and detail the front fence/gate areas the first week of February.
- ◇ The third claim for payment (\$103,926) from the Museum grant administrators has been requested. After it is received we will have the 10% retention (\$25,000) to claim after the building receives final signoff.

The newsletter is sent via USPS.

If you wish to receive the quarterly newsletter via email, please call (760)939-3530 or email us at [chinalakemuseum@mediacombb.net](mailto:chinalakemuseum@mediacombb.net). Place “Electronic Newsletter” in the subject line.



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