



THE CHINA LAKER

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President's Message

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As I write this article I am sitting here, with the fan blowing on me, thankful that we are almost at the end of a very hot summer in Ridgecrest. Hoping it cools down soon! Courageous volunteers making our museum better, in spite of the heat, include Charlie May, with help from Greg Winters and Bob Tyszka, in totally rehabbing the auxiliary trailer. Scott Millett, Art Hickle, Bob Smith, Charlie May and Wayne Doucette installed shade cover at the overhead trellis to make the area cooler and help out with utility bills. Bob Campbell and a huge team put on a successful Dinner Auction on May which netted over \$96,000 in profit that goes towards operation costs. Mark May 11, 2019 on your calendar for next year's auction and start identifying your donations now.

We will be participating in the Parade of 1000 Flags on September 8 and could use walkers and float decorators. Check inside for information about our upcoming 75th/25th Anniversary Dinner Gala on November 10, 2018

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

BRICK SPECIAL

Purchase an 8x8 brick for \$250 and get a 4x8 for \$25

Sponsor a Veteran Brick for \$25

When you purchase an 8x8 Brick for \$250 starting on Patriot's Day – 9/11 until Veterans day – 11/11; you can sponsor a Veterans Brick (4x8 Brick) for an additional \$25. Show a Veteran or active duty member that you support their service and remember them everyday with a brick in their honor at our museum.

Proceeds from the brick fundraiser will be used to build new displays and continue our Phase 2 project. We are beginning the permanent display feature for the bricks. Keep an eye out for this new outdoor feature.



130 E. Las Flores Ave
 Ridgecrest, CA 93555
www.chinalakemuseum.org
 (760) 677-2866



**Commander-in-Chief Support
For
George H. W. Bush
1989 -1993**



Conflicts

Cold War, Gulf of Sidra, Gulf War, Bosnia-Herzegovina

Major Contributions of the Naval Weapons Center (NWC):

1. Problem: In the 1989-1992 timeframe the U.S. military became involved in a number of conflicts including the second Gulf of Sidra Incident, the Gulf War (Desert Shield and Desert Storm), and the conflict in Bosnia-Herzegovina.

Solutions: China Lake responded to military needs in each of these conflicts. In the Gulf of Sidra Libyan MiG-23s attacked U.S. aircraft operating in the Gulf. The MiGs were shot down by Sidewinder and Sparrow missiles. In the Gulf War NWC updated electronic warfare threat files unique to Iraq, evaluated and qualified inventory bomb fuzes and updated the **HARM** seeker for Iraqi threats. Prior to the Gulf War China Lake had made continuous improvements to the **Tomahawk** cruise missile, including developing more effective warheads and fuzes. In the Gulf War Tomahawk saw its first operational use in combat. More than 100 missiles were launched on the first night and crippled Iraq's air defenses (overall the Navy launched more than 800 Tomahawks). Thousands of China Lake developed weapons were used to attack ground targets. In the Bosnian conflict, China Lake personnel operated a **Rapid Precision Targeting System (RPTS)** in Italy to assist in NATO air operations.

2. Problem: Aircraft and weapons systems were becoming increasingly dependent on computer systems. Each new weapons system had to work in concert with an aircraft's communications, navigation, and other systems. It was important to integrate the weapons with the different delivery aircraft.

Solution: Building on the success of earlier aircraft Weapons Systems Support Activities (WSSAs) China Lake continued to be the organization of choice for weapon/aircraft integration for the Navy's newer combat aircraft. During this period new operational flight computer software was updated incorporating new hardware into the F/A-18A, B, C and D Hornet variants, the AH-1W Cobra helicopter, and the AV-8B Harrier.

3. Problem: Advances in enemy surface-to-air missile systems included frequency-agile radars, which allowed the radar operators to change the radar's operating frequency. The Navy's HARM anti-radiation missile did not have the capability to respond to frequency changes during the missile's flight.

Solution: China Lake developed a new version of **HARM** capable of responding to a target radar's frequency changes and continue to track the radar. The new version also had an improved warhead capable of damaging hardened target structures. HARM has seen consistent combat use since its first use in Libya in 1986, was used in Operation Desert Storm and other recent operations and is still in use today in the War on Terror.



DINNER GALA

75th Anniversary of NOTS-Inyokern / China Lake

25th Anniversary of China Lake Museum Foundation

Hosted By:



Saturday, November 10, 2018

Kern McGee Center

Dress: Business dress or above

Program for Evening:

- 5:00-6:30 Reception & No Host Bar
- 6:30-7:30 Buffet Dinner
- 7:30-9:00 Program with Keynote speaker – VADM Michael Moran
- 9:00-11:00 Music Through the Decades - Dancing

General Seating Tickets: Tickets are limited and not available at the door

\$60 per person

\$45 per person - Age 25 & under or 75 & above or Enlisted E6 and below

Reserved Premiere Tables: seating near stage and wine at table

- Table for 8 with company banner display and ½ Page Ad in Program - \$2,500
- Table for 8 with reserved seating and ¼ Page Ad in Program - \$1,500
- Table for 8 with reserved seating - \$1000

Tickets Available at China Lake Museum - 130 E. Las Flores Ave, RC 760-677-2866

Proceeds from the dinner will be used to support the CLMF Phase 2 project.



CHINA LAKE MUSEUM FOUNDATION
P.O. BOX 217, RIDGECREST, CA 93556-0217



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China Lake Museum Foundation

Preserving the Legacy of Naval Armament and Technology

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Or call (760) 677-2866 to make your credit card donation

CLMF
P.O. Box 217
Ridgecrest, CA 93556-0217

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- \$1,000 \$5,000 _____

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For checks intended for the "Phase 2 Capital Project", please note on your check "Phase 2"